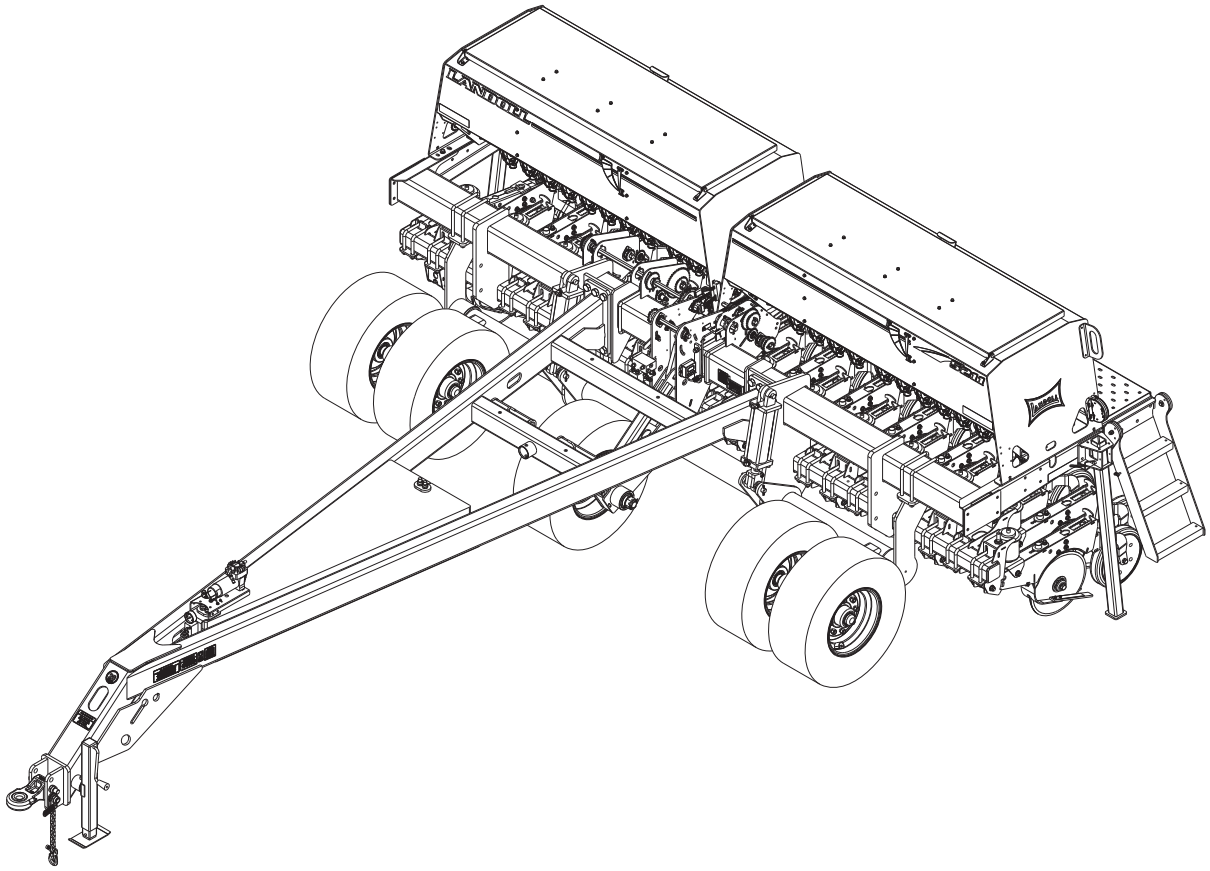
# Model 5211
# Grain Drill
# Parts Manual



**LANDOLL COMPANY, LLC**
1900 North Street
Marysville, Kansas 66508
(785) 562-5381
**800-428-5655 ~ WWW.LANDOLL.COM**

# Instructions for Ordering Parts

**** Repair parts must be ordered through an Authorized Dealer ****

**DEALER INSTRUCTIONS FOR ORDERING PARTS FROM LANDOLL PARTS DISTRIBUTION CENTER**

**Phone #: 800-423-4320 or 785-562-5381** **Fax #: 888-527-3909**

**Order online: dealer.landoll.com**

## SERIAL NUMBER PLATE

The Serial Number Plate, which lists the model number and serial number, is located on the front of the frame.

## SERIAL NUMBER NOMENCATURE

The following information will help decode the 5211 Grain Drill serial number

**52H2022100 = xxmyyssssss**

## QR CODE DECAL

**The 5000 series QR code decal, may be scanned to link you to the most current manuals, located on the front of the frame *See Figure 1-1***

| | |
|---|---|
| **xx** | = model series (i.e. 52 for Grain Drill, Rigid) |
| **m** | = month of manufacture<br>(ex. “H” means October. The letter I is not used.) |
| **yy** | = year manutactured<br>(ex. “22” means 2022) |
| **SSSSS** | = Sequential number used to track warranty and service information. |

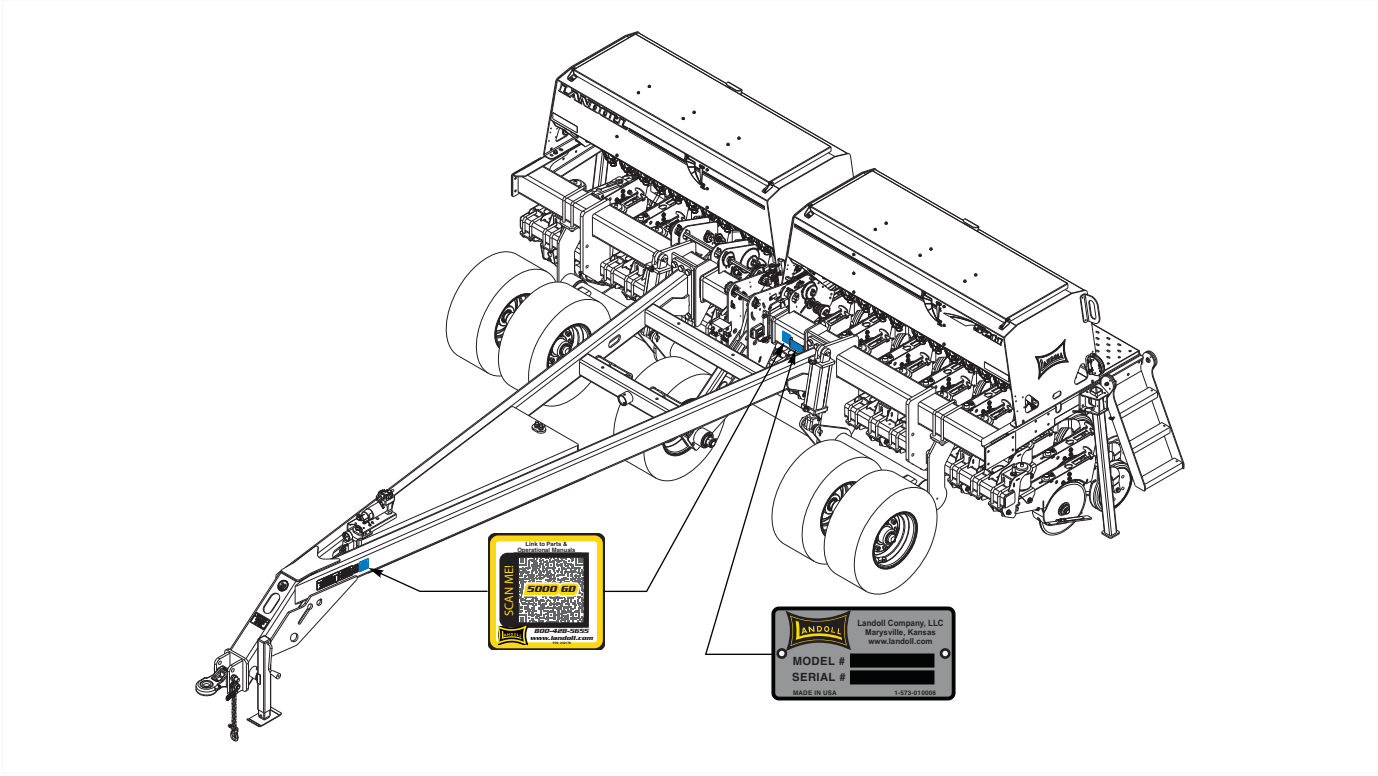



**Figure 1-1: Serial Number Plate and Location**

## Manuals for 5211 Grain Drill

| Manual Number | Manual Type |
|---|---|
| F-725 | Operator’s Manual |
| F-726 | Parts Manual |

# Table of Contents


## 1 Frame Assemblies

Frame and Walkboard Assembly 5211-10' . . . . . 1-1
Frame and Walkboard Assembly 5211-12-1/2' . . . . . 1-3
Frame and Walkboard Assembly 5211-15' . . . . . 1-5
Frame and Walkboard Assembly 5211-20' . . . . . 1-7
Right Seed Drive Assembly . . . . . 1-9
Left Seed Drive Assembly . . . . . 1-11
Ladder Assembly . . . . . 1-13

## 2 Hitch Assemblies

Hitch Assembly Long, Lift 5211-10' . . . . . 2-1
Lift & Drive Wheel Long/Coulter Hitch Assembly 5211-12-1/2' . . . . . 2-3
Hitch Assembly Long, 5211-10'-12-1/2' . . . . . 2-5
Lift & Drive Wheel Long/Coulter Hitch Assembly 5211-15'-20' . . . . . 2-7
Hitch Assembly Long, 5211-15'-20' . . . . . 2-9
Hitch Assembly Lift Hydraulic . . . . . 2-11
Hitch Assembly Coulter 5211-12-1/2'-15' . . . . . 2-15
Coulter Frame Assembly . . . . . 2-19
Hitch Assembly Coulter Hydraulic 5211-12-1/2'-15' . . . . . 2-21
Drive Wheel Assembly, Spring Right . . . . . 2-23
Hub and Spindle Assembly - 8 Bolt . . . . . 2-27
Hitch Assemblies . . . . . 2-29
Jack Assembly . . . . . 2-30
3 Point Hitch Assembly 5211-12-1/2' . . . . . 2-31
3 Point Hitch Assembly 5211-15' . . . . . 2-33
3 Point Hitch Assembly, Single 5211-20' . . . . . 2-35
3 Point Hitch Assembly, Dual 5211-20' . . . . . 2-37
Drive Wheel Assembly, Rigid . . . . . 2-39
Gauge Wheel Assembly, Dual . . . . . 2-41
Drive Wheel Assembly, Upper . . . . . 2-43
Gauge Wheel Assembly, Rigid . . . . . 2-45
4 x 10" Hydraulic Cylinder . . . . . 2-47

## 3 Box Assemblies

Seed Box Assembly, W/O Fertilizer 5211-10' . . . . . 3-1
Box Assembly W/O Fertilizer 5211-10' . . . . . 3-3
Seed Box Assembly, W/O Fertilizer 5211-12-1/2' . . . . . 3-5
Box Assembly W/O Fertilizer 5211-12-1/2' . . . . . 3-9
Seed Box Assembly, W/O Fertilizer 5211-15' . . . . . 3-11
Box Assembly W/O Fertilizer 5211-15' . . . . . 3-13
Seed Box Assembly, W/O Fertilizer 5211-20' . . . . . 3-15
Box Assembly W/O Fertilizer 5211-20' . . . . . 3-19
Seed Box Assembly, W/Fertilizer 5211-10' . . . . . 3-21
Box Assembly W/Fertilizer 5211-10' . . . . . 3-23

Seed Box Assembly, W/Fertilizer 5211-12-1/2' . . . . . 3-27
Box Assembly W/Fertilizer 5211-12-1/2' . . . . . 3-29
Seed Box Assembly, W/Fertilizer 5211-15' . . . . . 3-33
Box Assembly W/Fertilizer 5211-15' . . . . . 3-35
Seed Box Assembly, W/Fertilizer 5211-20' . . . . . 3-39
Box Assembly W/Fertilizer 5211-20' . . . . . 3-41
Fertilizer Drive Assembly, Right . . . . . 3-45
Fertilizer Drive Assembly, Left . . . . . 3-47
Fertilizer Assembly . . . . . 3-49
Fill Shield Assembly . . . . . 3-51
Seed Level Indicator . . . . . 3-53
Seed Tube Assembly (Air Spring Opener) . . . . . 3-55
Seed Tube Assembly (Spring Opener) . . . . . 3-56
Seed Meter Assembly 5211-10' . . . . . 3-57
Seed Meter Assembly 5211-12-1/2' . . . . . 3-59
Seed Meter Assembly 5211-15' . . . . . 3-61
Seed Meter Assembly 5211-20' . . . . . 3-63
Seed Meter Housing Assembly . . . . . 3-65
Seed Shaft Bearing Assembly (Before 12-18-2018) . . . . . 3-67
Seed Shaft Bearing Assembly (After 12-18-2018) . . . . . 3-69
Seed Rate Adjust Assembly, Right . . . . . 3-71
Seed Rate Adjust Assembly, Left . . . . . 3-72
Agitator Assembly 5211-10'-12-1/2' . . . . . 3-73
Agitator Assembly 5211-15'-20' . . . . . 3-75

## 4 Opener Assemblies

Air Opener Assembly . . . . . 4-1
12V Air Compressor Assembly . . . . . 4-3
Air Manifold Assembly . . . . . 4-5
Opener Assembly Air . . . . . 4-7
Press Wheel Assembly Air Opener . . . . . 4-9
Opener Assembly Spring . . . . . 4-11
Press Wheel Assembly Spring Opener . . . . . 4-13
Rebounder Assembly . . . . . 4-15

## 5 Small Seed Box Assemblies

Small Seed Box Assembly . . . . . 5-1
Small Seed Box Assembly, Left . . . . . 5-11
Small Seed Box Assembly, Right . . . . . 5-13
Small Seed Box Assembly 12-1/2' . . . . . 5-15
Seed Box Assembly, Small . . . . . 5-17
Seed Shaft Bearing Assembly, Right . . . . . 5-19
Seed Shaft Bearing Assembly, Left . . . . . 5-21
Seed Tube Assembly, Small . . . . . 5-23

## 6 Electrical

Electrical Assembly W/LED Lights Wiring Chart . . . . . 6-1
Electrical Assembly W/LED Lights 5211-10'-12-1/2' W/Long Hitch . . . . . 6-3

Electrical Assembly W/LED Lights 5211-15’-20’ W/Long Hitch . . . . . 6-5
Electrical Assembly W/LED Lights 5211-12-1/2’-15’-20’ W/3Point Hitch . . . . . 6-7

## 7 Decals

Decals . . . . . 7-1

## 8 Monitors

Drill Monitor Loup Mini Assembly . . . . . 8-1
Electronic Acre Meter Assembly . . . . . 8-3

## 9 Options

Scale Mount Assembly . . . . . 9-1
Rear Tow Hitch Assembly . . . . . 9-3
Marker Assembly . . . . . 9-5
Marker Hydraulic Assembly 5211-10’ . . . . . 9-9
Marker Hydraulic Assembly 5211-12-1/2’ . . . . . 9-11
Marker Hydraulic Assembly 5211-15’ . . . . . 9-13
Marker Hydraulic Assembly 5211-20’ . . . . . 9-15
2-1/2 x 8” Hydraulic Cylinder . . . . . 9-17

## 10 Glossary

## 11 Index

# Frame Assemblies

## Frame and Walkboard Assembly 5211-10’

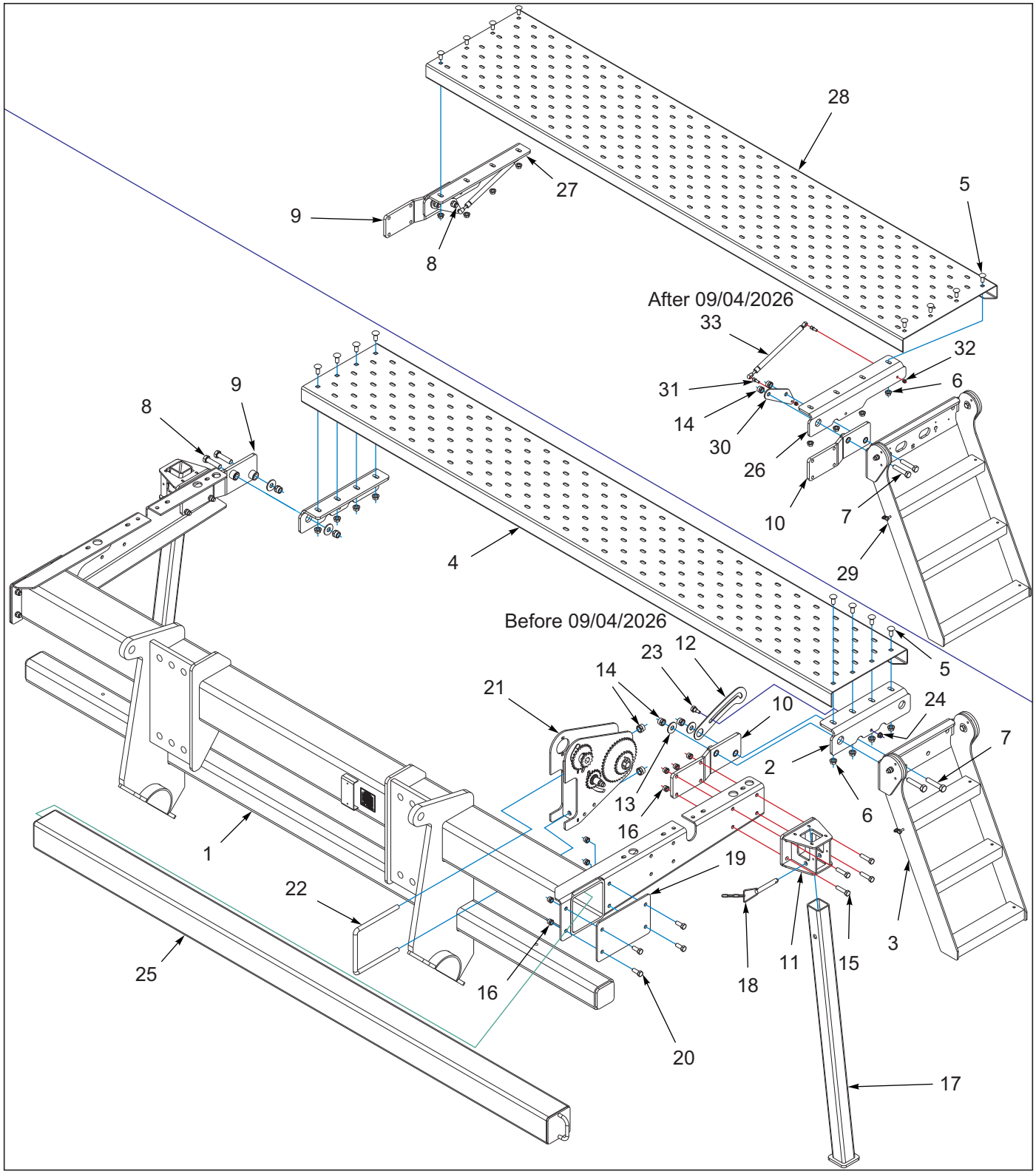



Figure 1-1: Frame and Walkboard Assembly 5211-10’

# Frame and Walkboard Assembly 5211-10’

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 155876 | FRAME, 5210-10' WLDMT | 1 |
| 2 | 151512 | BRACKET, WALKBOARD **(BEFORE 09/04/2026)** | 2 |
| 3 | 154849 | LADDER ASSY 5530 **(SEE PAGE 1-13) (BEFORE 09/04/2026)** | 1 |
| 4 | 144258 | WALKBOARD, 110" **(BEFORE 09/04/2026)** | 1 |
| 5 | 1-654-010070-02 | SCREW 1/2-13X1-1/4 RD HD SQNK | 8 |
| 6 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 8 |
| 7 | 1-654-010059-09 | SCREW 5/8-11UNCX3 HX CP GR5 | 2 |
| 8 | 1-654-010059-07 | SCREW HX CP 5/8-11UNCX2-1/2G5 | 2 |
| 9 | 144259 | MOUNT, WALKBOARD RIGHT WLDMT | 1 |
| 10 | 144260 | MOUNT, WALKBOARD LEFT WLDMT | 1 |
| 11 | 161496 | MOUNT, PARKING STAND WLDMT | 2 |
| 12 | 151513 | LATCH, WALKBOARD **(BEFORE 09/04/2026)** | 1 |
| 13 | 1-861-010032-19 | WASHER, FLAT 5/8 W ZP/CD **(BEFORE 09/04/2026)** | 4 |
| 14 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 5 |
| 15 | 1-654-010055-05 | SCREW,HEX CAP,1/2-13UNCX2 GR5 | 8 |
| 16 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB | 8 |
| 17 | 161500 | STAND, PARKING WLDMT | 2 |
| 18 | 2-557-010426 | PIN,DETENT 5/8 DIA W/CHAIN | 2 |
| 19 | 153811 | CAP, FRAME | 2 |
| 20 | 1-654-010055-02 | SCREW 1/2-13UNCX1-1/4 CP GR5 | 8 |
| 21 | 144077 | DRIVE ASSY, SEED RIGHT **(SEE PAGE 1-9)** | 1 |
| 22 | 70593063 | U-BOLT | 2 |
| 23 | 2-095-010017 | BOLT, SHOULDER HEX HEAD **(BEFORE 09/04/2026)** | 1 |
| 24 | 107470 | NUT,SPIRALOCK 3/8-16HX **(BEFORE 09/04/2026)** | 1 |
| 25 | 159046 | WEIGHT FILLED TUBE, 110" | 1 |
| 26 | 254805 | BRACKET, WALKBOARD WIDE LT **(AFTER 09/04/2026)** | 1 |
| 27 | 254804 | BRACKET, WALKBOARD WIDE RT **(AFTER 09/04/2026)** | 1 |
| 28 | 252787 | WALKBOARD, 110 L **(AFTER 09/04/2026)** | 1 |
| 29 | 254796 | LADDER ASSY, DRILL **(SEE PAGE 1-13) (AFTER 09/04/2026)** | 1 |
| 30 | 252820 | BRACKET, GAS SPRING **(AFTER 09/04/2026)** | 2 |
| 31 | 9K425 | BALL STUD, 10 MM, 5/16-18 3/4 **(AFTER 09/04/2026)** | 4 |
| 32 | 1-512-010005-03 | NUT HEX SLFLKG GRB 5/16-18 **(AFTER 09/04/2026)** | 4 |
| 33 | 155840 | GAS SPRING **(AFTER 09/04/2026)** | 2 |

# Frame and Walkboard Assembly 5211-12-1/2’

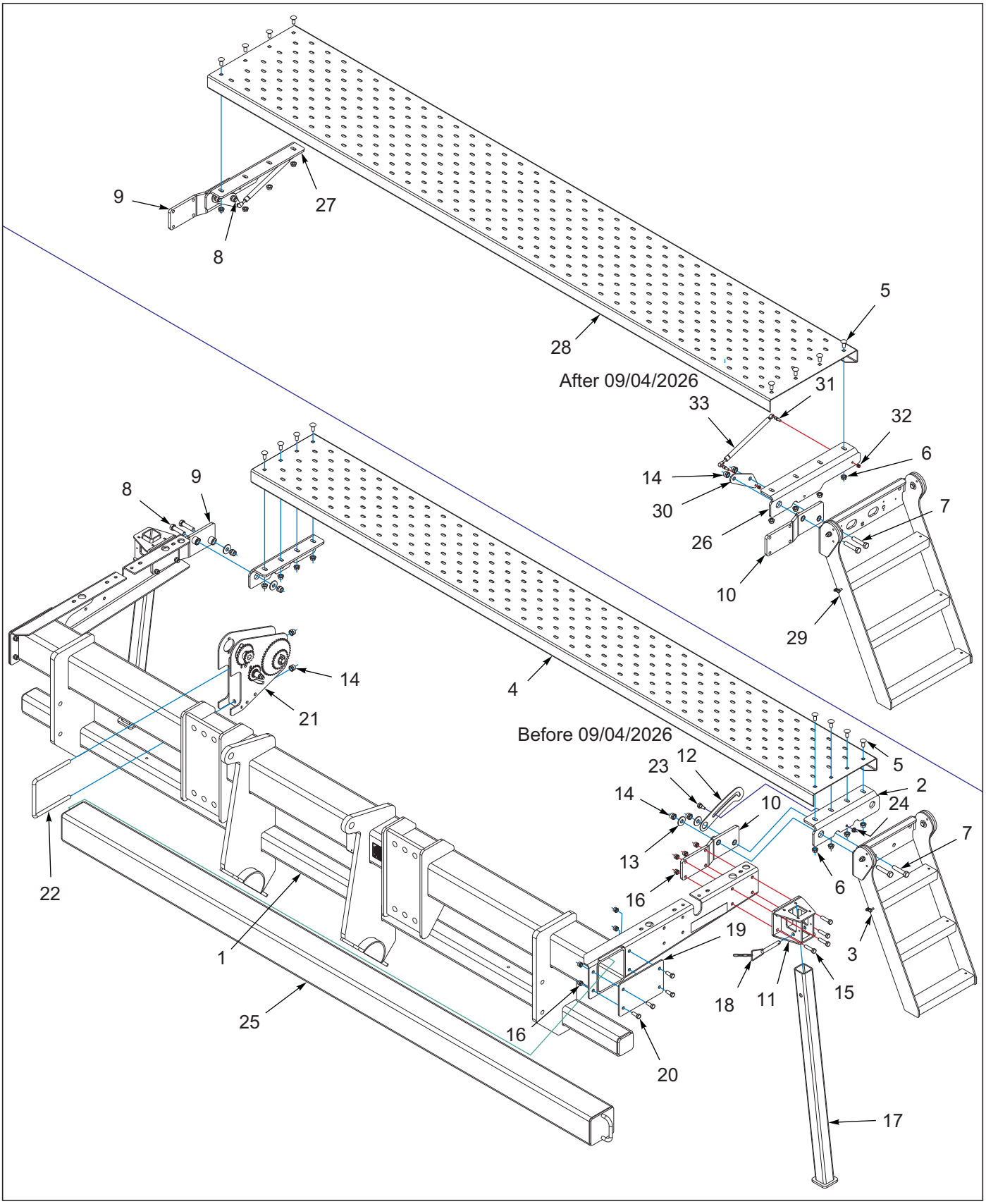



Figure 1-2: Frame and Walkboard Assembly 5211-12-1/2’

# Frame and Walkboard Assembly 5211-12-1/2’

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 155877 | FRAME 5210-12-1/2' WLDMT | 1 |
| 2 | 151512 | BRACKET, WALKBOARD **(BEFORE 09/04/2026)** | 2 |
| 3 | 154849 | LADDER ASSY 5530 **(SEE PAGE 1-13) (BEFORE 09/04/2026)** | 1 |
| 4 | 159917 | WALKBOARD, 140" **(BEFORE 09/04/2026)** | 1 |
| 5 | 1-654-010070-02 | SCREW 1/2-13X1-1/4 RD HD SQNK | 8 |
| 6 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 8 |
| 7 | 1-654-010059-09 | SCREW 5/8-11UNCX3 HX CP GR5 | 2 |
| 8 | 1-654-010059-07 | SCREW HX CP 5/8-11UNCX2-1/2G5 | 2 |
| 9 | 144259 | MOUNT, WALKBOARD RIGHT WLDMT | 1 |
| 10 | 144260 | MOUNT, WALKBOARD LEFT WLDMT | 1 |
| 11 | 161496 | MOUNT, PARKING STAND WLDMT | 2 |
| 12 | 151513 | LATCH, WALKBOARD **(BEFORE 09/04/2026)** | 1 |
| 13 | 1-861-010032-19 | WASHER, FLAT 5/8 W ZP/CD **(BEFORE 09/04/2026)** | 4 |
| 14 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 5 |
| 15 | 1-654-010055-05 | SCREW,HEX CAP,1/2-13UNCX2 GR5 | 8 |
| 16 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB | 8 |
| 17 | 161500 | STAND, PARKING WLDMT | 2 |
| 18 | 2-557-010426 | PIN,DETENT 5/8 DIA W/CHAIN | 2 |
| 19 | 153811 | CAP, FRAME | 2 |
| 20 | 1-654-010055-02 | SCREW 1/2-13UNCX1-1/4 CP GR5 | 8 |
| 21 | 144077 | DRIVE ASSY, SEED RIGHT **(7-1/2” SPACING) (SEE PAGE 1-9)** | 1 |
| 21 | 144078 | DRIVE ASSY, SEED LEFT **(10” SPACING) (SEE PAGE 1-11)** | 1 |
| 22 | 70593063 | U-BOLT | 2 |
| 23 | 2-095-010017 | BOLT, SHOULDER HEX HEAD **(BEFORE 09/04/2026)** | 1 |
| 24 | 107470 | NUT,SPIRALOCK 3/8-16HX **(BEFORE 09/04/2026)** | 1 |
| 25 | 159941 | WEIGHT FILLED TUBE, 140" | 1 |
| 26 | 254805 | BRACKET, WALKBOARD WIDE LT **(AFTER 09/04/2026)** | 1 |
| 27 | 254804 | BRACKET, WALKBOARD WIDE RT **(AFTER 09/04/2026)** | 1 |
| 28 | 252788 | WALKBOARD, 140 L **(AFTER 09/04/2026)** | 1 |
| 29 | 254796 | LADDER ASSY, DRILL **(SEE PAGE 1-13) (AFTER 09/04/2026)** | 1 |
| 30 | 252820 | BRACKET, GAS SPRING **(AFTER 09/04/2026)** | 2 |
| 31 | 9K425 | BALL STUD, 10 MM, 5/16-18 3/4 **(AFTER 09/04/2026)** | 4 |
| 32 | 1-512-010005-03 | NUT HEX SLFLKG GRB 5/16-18 **(AFTER 09/04/2026)** | 4 |
| 33 | 155840 | GAS SPRING **(AFTER 09/04/2026)** | 2 |

# Frame and Walkboard Assembly 5211-15’

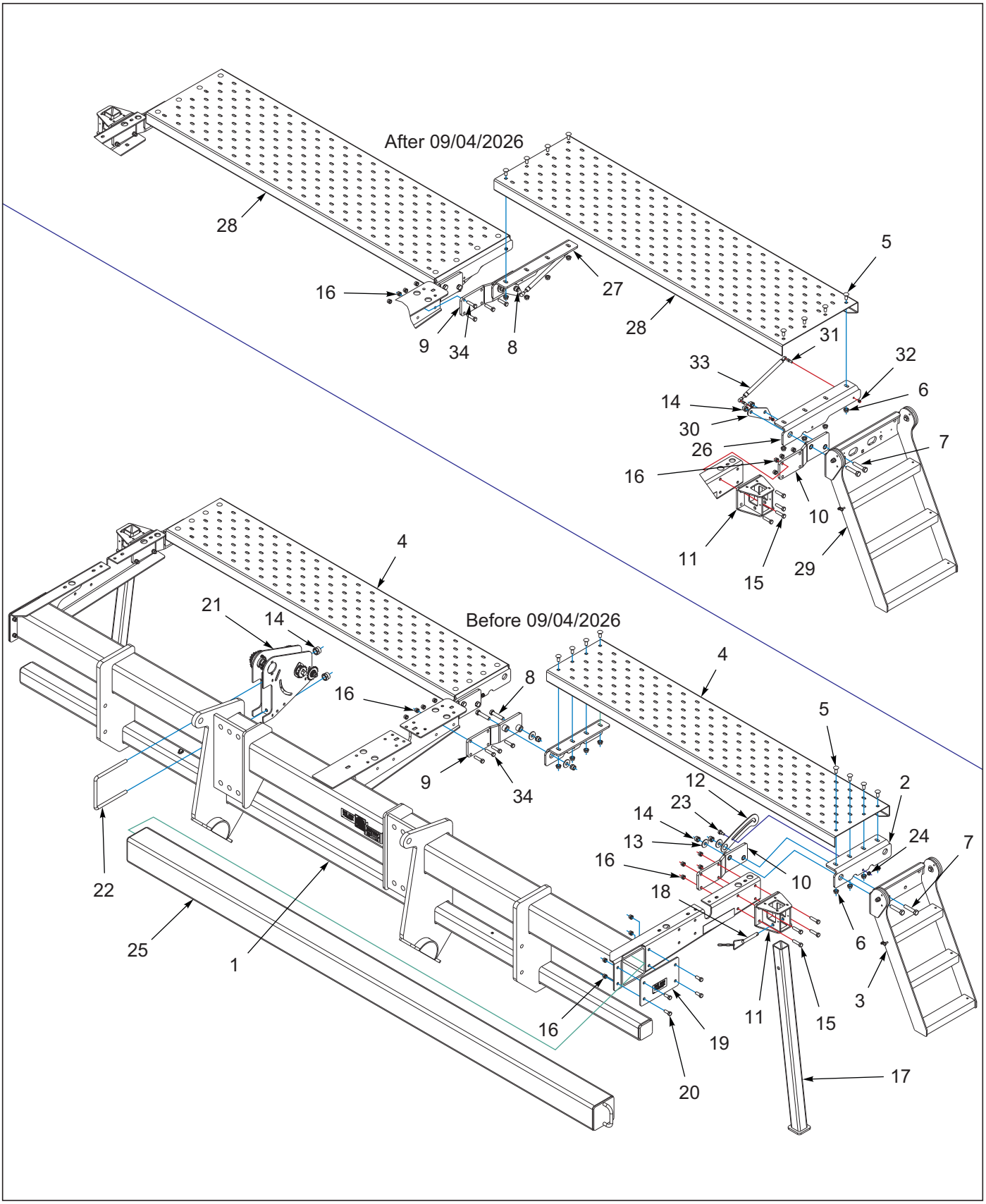



Figure 1-3: Frame and Walkboard Assembly 5211-15’

# Frame and Walkboard Assembly 5211-15’

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 155878 | FRAME 5210 - 15' WLDMT | 1 |
| 2 | 151512 | BRACKET, WALKBOARD **(BEFORE 09/04/2026)** | 4 |
| 3 | 154849 | LADDER ASSY 5530 **(SEE PAGE 1-13) (BEFORE 09/04/2026)** | 1 |
| 4 | 153900 | WALKBOARD, 83" **(BEFORE 09/04/2026)** | 2 |
| 5 | 1-654-010070-02 | SCREW 1/2-13X1-1/4 RD HD SQNK | 16 |
| 6 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 16 |
| 7 | 1-654-010059-09 | SCREW 5/8-11UNCX3 HX CP GR5 | 2 |
| 8 | 1-654-010059-07 | SCREW HX CP 5/8-11UNCX2-1/2G5 | 6 |
| 9 | 144259 | MOUNT, WALKBOARD RIGHT WLDMT | 2 |
| 10 | 144260 | MOUNT, WALKBOARD LEFT WLDMT | 2 |
| 11 | 161496 | MOUNT, PARKING STAND WLDMT | 2 |
| 12 | 151513 | LATCH, WALKBOARD **(BEFORE 09/04/2026)** | 2 |
| 13 | 1-861-010032-19 | WASHER, FLAT 5/8 W ZP/CD **(BEFORE 09/04/2026)** | 8 |
| 14 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 10 |
| 15 | 1-654-010055-05 | SCREW,HEX CAP,1/2-13UNCX2 GR5 | 8 |
| 16 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB | 12 |
| 17 | 161500 | STAND, PARKING WLDMT | 2 |
| 18 | 2-557-010426 | PIN,DETENT 5/8 DIA W/CHAIN | 2 |
| 19 | 153811 | CAP, FRAME | 2 |
| 20 | 1-654-010055-02 | SCREW 1/2-13UNCX1-1/4 CP GR5 | 8 |
| 21 | 144078 | DRIVE ASSY, SEED LEFT **(SEE PAGE 1-11)** | 1 |
| 22 | 70593063 | U-BOLT | 2 |
| 23 | 2-095-010017 | BOLT, SHOULDER HEX HEAD **(BEFORE 09/04/2026)** | 2 |
| 24 | 107470 | NUT,SPIRALOCK 3/8-16HX **(BEFORE 09/04/2026)** | 2 |
| 25 | 159047 | WEIGHT FILLED TUBE, 171" | 1 |
| 26 | 254805 | BRACKET, WALKBOARD WIDE LT **(AFTER 09/04/2026)** | 1 |
| 27 | 254804 | BRACKET, WALKBOARD WIDE RT **(AFTER 09/04/2026)** | 1 |
| 28 | 252786 | WALKBOARD, 82-3/4 L **(AFTER 09/04/2026)** | 1 |
| 29 | 254796 | LADDER ASSY, DRILL **(SEE PAGE 1-13) (AFTER 09/04/2026)** | 1 |
| 30 | 252820 | BRACKET, GAS SPRING **(AFTER 09/04/2026)** | 2 |
| 31 | 9K425 | BALL STUD, 10 MM, 5/16-18 3/4 **(AFTER 09/04/2026)** | 4 |
| 32 | 1-512-010005-03 | NUT HEX SLFLKG GRB 5/16-18 **(AFTER 09/04/2026)** | 4 |
| 33 | 155840 | GAS SPRING **(AFTER 09/04/2026)** | 2 |
| 34 | 1-654-010055-07 | SCREW HX CP 1/2-13UNCX2-1/2 | 4 |

# Frame and Walkboard Assembly 5211-20’

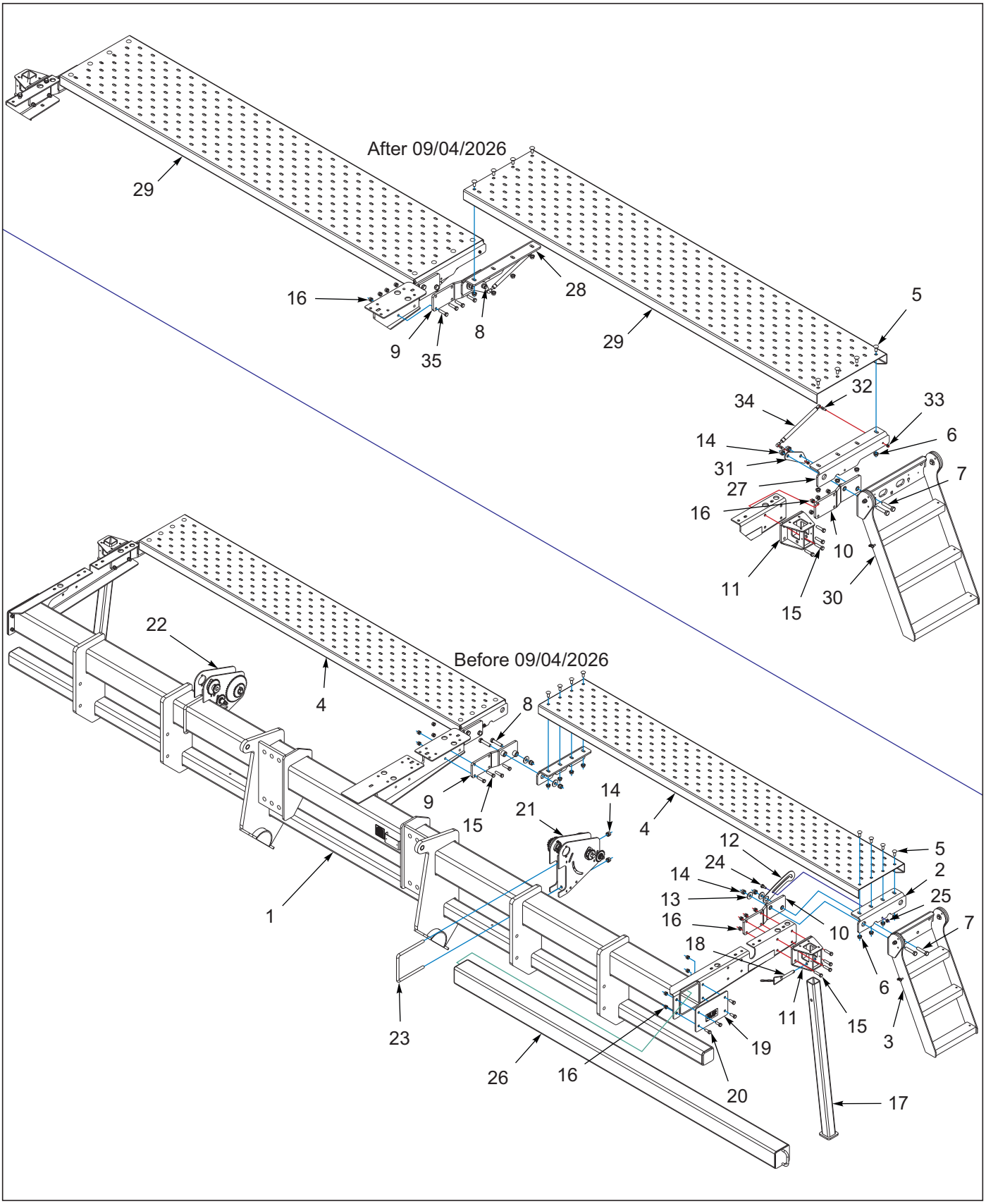
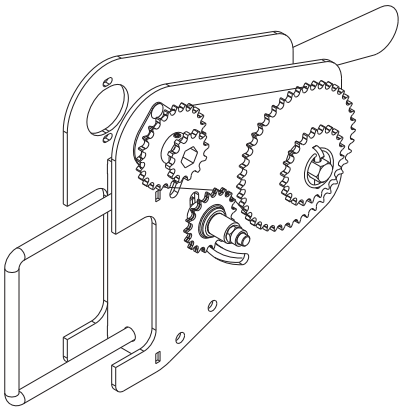



Figure 1-4: Frame and Walkboard Assembly 5211-20’

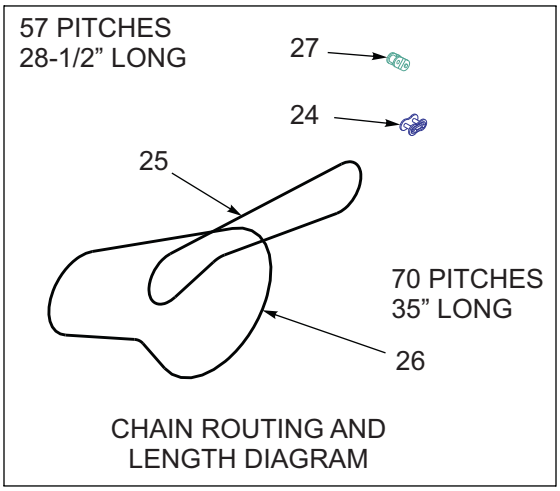
# Frame and Walkboard Assembly 5211-20’

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 155879 | FRAME 5210 - 20' WLDMT | 1 |
| 2 | 151512 | BRACKET, WALKBOARD **(BEFORE 09/04/2026)** | 4 |
| 3 | 154849 | LADDER ASSY 5530 **(SEE PAGE 1-13) (BEFORE 09/04/2026)** | 1 |
| 4 | 144258 | WALKBOARD, 110" **(BEFORE 09/04/2026)** | 2 |
| 5 | 1-654-010070-02 | SCREW 1/2-13X1-1/4 RD HD SQNK | 16 |
| 6 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 16 |
| 7 | 1-654-010059-09 | SCREW 5/8-11UNCX3 HX CP GR5 | 2 |
| 8 | 1-654-010059-07 | SCREW HX CP 5/8-11UNCX2-1/2G5 | 6 |
| 9 | 144259 | MOUNT, WALKBOARD RIGHT WLDMT | 2 |
| 10 | 144260 | MOUNT, WALKBOARD LEFT WLDMT | 2 |
| 11 | 161496 | MOUNT, PARKING STAND WLDMT | 2 |
| 12 | 151513 | LATCH, WALKBOARD | 2 |
| 13 | 1-861-010032-19 | WASHER, FLAT 5/8 W ZP/CD **(BEFORE 09/04/2026)** | 8 |
| 14 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 10 |
| 15 | 1-654-010055-05 | SCREW,HEX CAP,1/2-13UNCX2 GR5 | 12 |
| 16 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB | 12 |
| 17 | 161500 | STAND, PARKING WLDMT | 2 |
| 18 | 2-557-010426 | PIN,DETENT 5/8 DIA W/CHAIN | 2 |
| 19 | 153811 | CAP, FRAME | 2 |
| 20 | 1-654-010055-02 | SCREW 1/2-13UNCX1-1/4 CP GR5 | 8 |
| 21 | 144078 | DRIVE ASSY, SEED LEFT **(SEE PAGE 1-11)** | 1 |
| 22 | 144077 | DRIVE ASSY, SEED RIGHT **(SEE PAGE 1-9)** | 1 |
| 23 | 70593063 | U-BOLT | 2 |
| 24 | 2-095-010017 | BOLT, SHOULDER HEX HEAD **(BEFORE 09/04/2026)** | 2 |
| 25 | 107470 | NUT,SPIRALOCK 3/8-16HX **(BEFORE 09/04/2026)** | 2 |
| 26 | 159046 | WEIGHT FILLED TUBE, 110" | 2 |
| 27 | 254805 | BRACKET, WALKBOARD WIDE LT **(AFTER 09/04/2026)** | 1 |
| 28 | 254804 | BRACKET, WALKBOARD WIDE RT **(AFTER 09/04/2026)** | 1 |
| 29 | 252787 | WALKBOARD, 110 L **(AFTER 09/04/2026)** | 1 |
| 30 | 254796 | LADDER ASSY, DRILL **(SEE PAGE 1-13) (AFTER 09/04/2026)** | 1 |
| 31 | 252820 | BRACKET, GAS SPRING **(AFTER 09/04/2026)** | 2 |
| 32 | 9K425 | BALL STUD, 10 MM, 5/16-18 3/4 **(AFTER 09/04/2026)** | 4 |
| 33 | 1-512-010005-03 | NUT HEX SLFLKG GRB 5/16-18 **(AFTER 09/04/2026)** | 4 |
| 34 | 155840 | GAS SPRING **(AFTER 09/04/2026)** | 2 |
| 35 | 1-654-010055-07 | SCREW HX CP 1/2-13UNCX2-1/2 | 4 |

# Right Seed Drive Assembly



144077 SEED DRIVE
ASSEMBLY RH




CHAIN ROUTING AND
LENGTH DIAGRAM

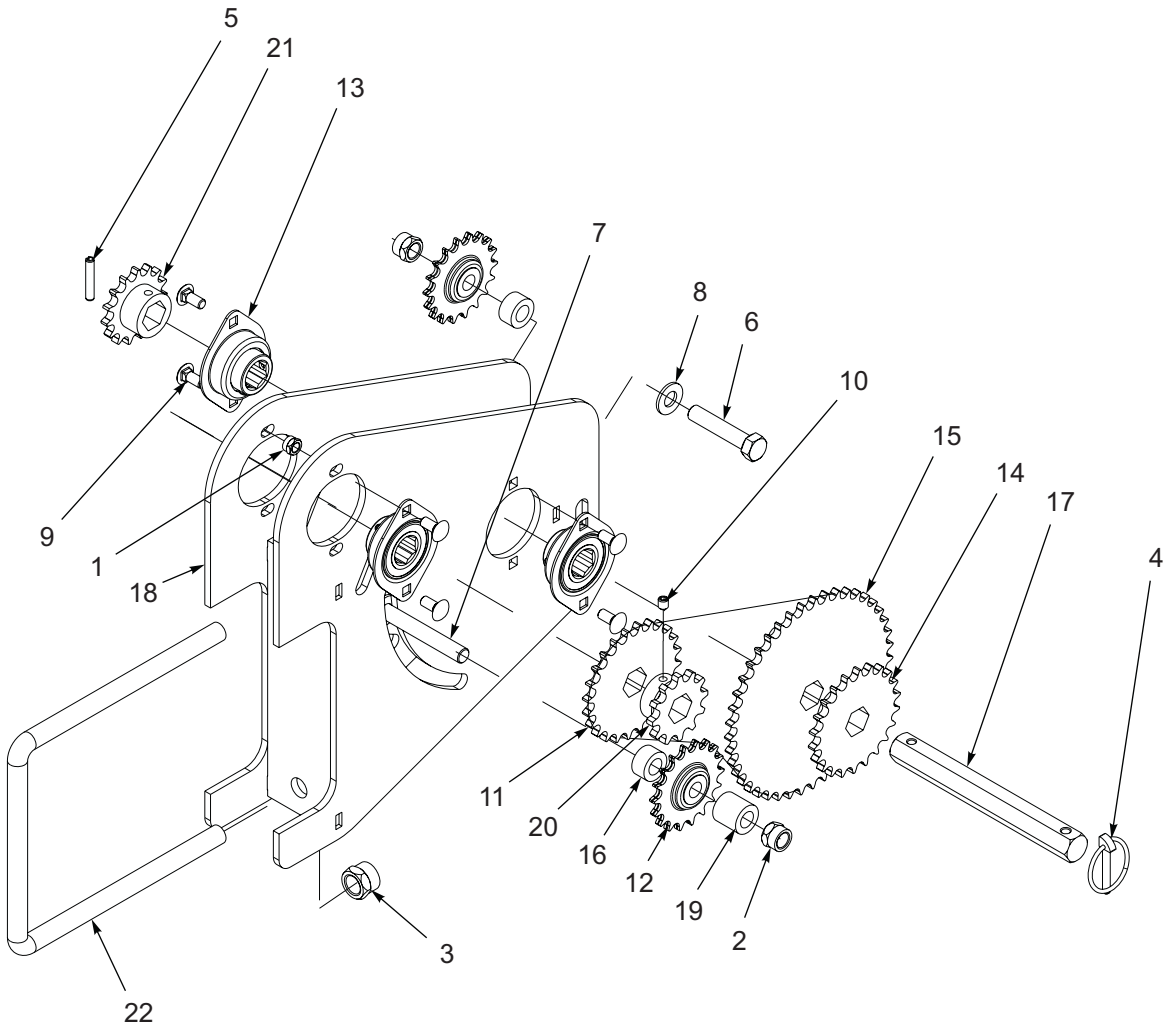
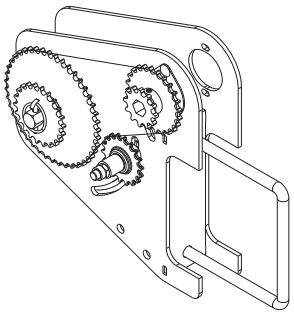



**Figure 1-5: Right Seed Drive Assembly**

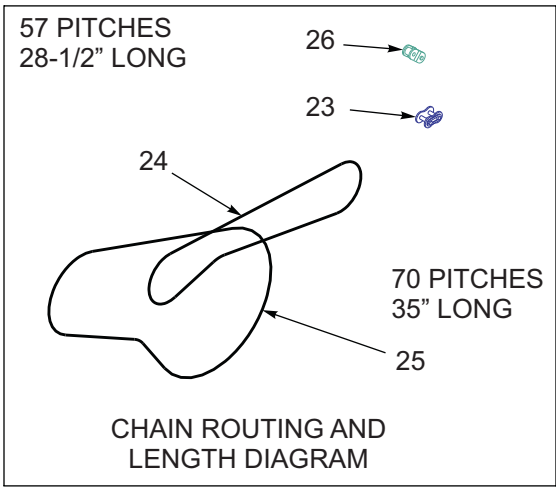
# Right Seed Drive Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 144077 | DRIVE ASSY, SEED RIGHT | |
| 1 | 1-512-010005-03 | NUT, HEX LOCK 5/16-18 GRB | 6 |
| 2 | 1-512-010005-09 | NUT, HEX LOCK 1/2-13 GRB | 2 |
| 3 | 1-512-010005-13 | NUT, HEX LOCK 5/8-11 GRB | 2 |
| 4 | 1-557-010327 | PIN, LYNCH 1/4 X 1-1/4 | 1 |
| 5 | 1-647-010004217 | SPRING PIN, SLOTTED 1/4 X 1-1/2 | 1 |
| 6 | 1-654-010055-07 | SCREW, HEX HEAD CAP 1/2-13 X 2-1/2 GR5 | 1 |
| 7 | 1-654-010055-11 | SCREW, HEX HEAD CAP 1/2-13 X 3-1/2 GR5 | 1 |
| 8 | 1-861-010032-14 | WASHER, FLAT 1/2N | 2 |
| 9 | 105909 | SCREW, RD HEAD SQ NECK 5/16-18 X 3/4 | 6 |
| 10 | 107-0975 | SCREW, SET LOCK 5/16-18 X 3/8 | 1 |
| 11 | 122825 | SPROCKET, TRANSMISSION 24T | 1 |
| 12 | 122871 | SPROCKET, TRANSMISSION IDLER | 2 |
| 13 | 144060 | BEARING, HEX BORE 7/8 | 3 |
| 14 | 144082 | SPROCKET, TRANSMISSION 40 X 22T | 1 |
| 15 | 144083 | SPROCKET, TRANSMISSION 40 X 43T | 1 |
| 16 | 144086 | SPACER, 1 X 9/16 X 17/32 | 2 |
| 17 | 144087 | SHAFT, HEX 7/8 X 7-3/4 | 1 |
| 18 | 144099 | MOUNT, SEED DRIVE | 1 |
| 19 | 144183 | SPACER 1 X 9/16 X 1 | 1 |
| 20 | 151587 | SPROCKET, 7/8 HEX #40 X 12 | 1 |
| 21 | 151588 | SPROCKET, 7/8 HEX #40 X 15 | 1 |
| 22 | 70593063 | U-BOLT | 1 |
| 23 | 119716 | CONNECTING LINK, #40 CHAIN | 1 |
| 24 | 176627 | ROLLER CHAIN, #40 X 57P 28-1/2L **(INCLUDES ITEMS 24, 27)** | 1 |
| 25 | 172644 | ROLLER CHAIN, #40 X 70P 35L **(INCLUDES ITEMS 24)** | 1 |
| 26 | 163981 | OFFSET LINK #40 | 1 |

# Left Seed Drive Assembly



144078 SEED DRIVE
ASSEMBLY LH



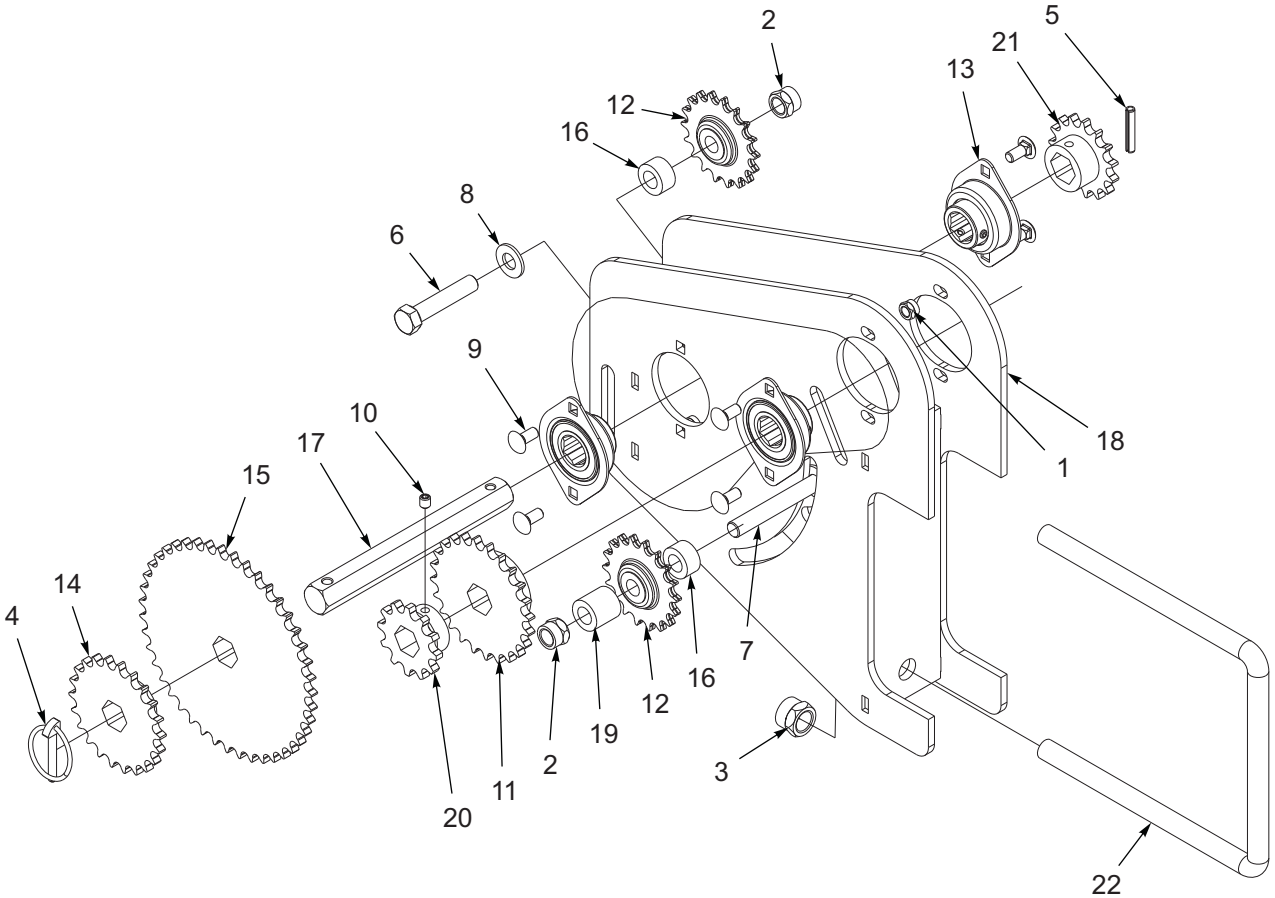




**Figure 1-6: Left Seed Drive Assembly**

# Left Seed Drive Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| - - | 144078 | DRIVE ASSY, SEED LEFT | |
| 1 | 1-512-010005-03 | NUT, HEX LOCK 5/16-18 GRB | 6 |
| 2 | 1-512-010005-09 | NUT, HEX LOCK 1/2-13 GRB | 2 |
| 3 | 1-512-010005-13 | NUT, HEX LOCK 5/8-11 GRB | 2 |
| 4 | 1-557-010327 | PIN, LYNCH 1/4 X 1-1/4 | 1 |
| 5 | 1-647-010004217 | SPRING PIN, SLOTTED 1/4 X 1-1/2 | 1 |
| 6 | 1-654-010055-07 | SCREW, HEX HEAD CAP 1/2-13 X 2-1/2 GR5 | 1 |
| 7 | 1-654-010055-11 | SCREW, HEX HEAD CAP 1/2-13 X 3-1/2 GR5 | 1 |
| 8 | 1-861-010032-14 | WASHER, FLAT 1/2N | 2 |
| 9 | 105909 | SCREW, RD HEAD SQ NECK 5/16-18 X 3/4 | 6 |
| 10 | 107-0975 | SCREW, SET LOCK 5/16-18 X 3/8 | 1 |
| 11 | 122825 | SPROCKET, TRANSMISSION 24T | 1 |
| 12 | 122871 | SPROCKET, TRANSMISSION IDLER | 2 |
| 13 | 144060 | BEARING, HEX BORE 7/8 | 3 |
| 14 | 144082 | SPROCKET, TRANSMISSION 40 X 22T | 1 |
| 15 | 144083 | SPROCKET, TRANSMISSION 40 X 43T | 1 |
| 16 | 144086 | SPACER, 1 X 9/16 X 17/32 | 2 |
| 17 | 144087 | SHAFT, HEX 7/8 X 7-3/4 | 1 |
| 18 | 144099 | MOUNT, SEED DRIVE | 1 |
| 19 | 144183 | SPACER 1 X 9/16 X 1 | 1 |
| 20 | 151587 | SPROCKET, 7/8 HEX #40 X 12 | 1 |
| 21 | 151588 | SPROCKET, 7/8 HEX #40 X 15 | 1 |
| 22 | 70593063 | U-BOLT | 1 |
| 23 | 119716 | CONNECTING LINK, #40 CHAIN | 1 |
| 24 | 176627 | ROLLER CHAIN, #40 X 57P 28-1/2L **(INCLUDES ITEMS 24, 27)** | 1 |
| 25 | 172644 | ROLLER CHAIN, #40 X 70P 35L **(INCLUDES ITEMS 24)** | 1 |
| 26 | 163981 | OFFSET LINK #40 | 1 |

# Ladder Assembly

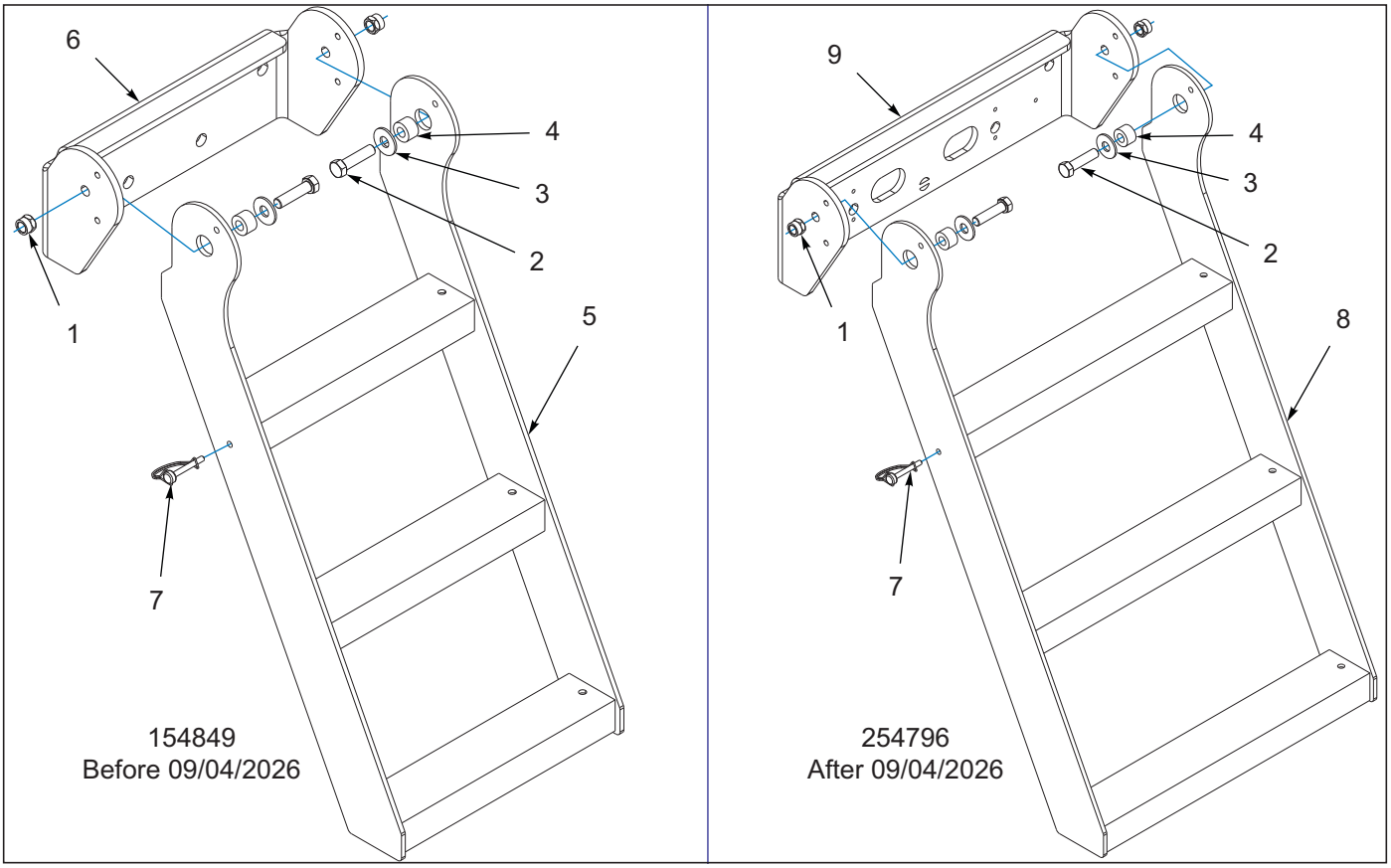



**Figure 1-7: Ladder Assembly**

# Ladder Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 154849 | LADDER ASSEMBLY **(BEFORE 09/04/2026)** | * | |
| -- | 254796 | LADDER ASSY, DRILL **(AFTER 09/04/2026)** | | * |
| 1 | 1-512-010005-09 | NUT, HEX LOCK 1/2-13 GRB | 2 | 2 |
| 2 | 1-654-010055-05 | SCREW, HEX HEAD CAP 1/2-13 X 2 GR5 | 2 | 2 |
| 3 | 1-861-010032-15 | WASHER, FLAT 1/2W | 2 | 2 |
| 4 | 125799 | SPACER | 2 | 2 |
| 5 | 154845 | LADDER | 1 | -- |
| 6 | 154846 | MOUNT, LADDER | 1 | -- |
| 7 | 70592442 | PIN, SNAPPER | 1 | 1 |
| 8 | 254798 | LADDER, WLDMT | -- | 1 |
| 9 | 254797 | MOUNT, LADDER | -- | 1 |

Table provided for general use.

| NOTES: |
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# Hitch Assemblies

## Hitch Assembly Long, Lift 5211-10’

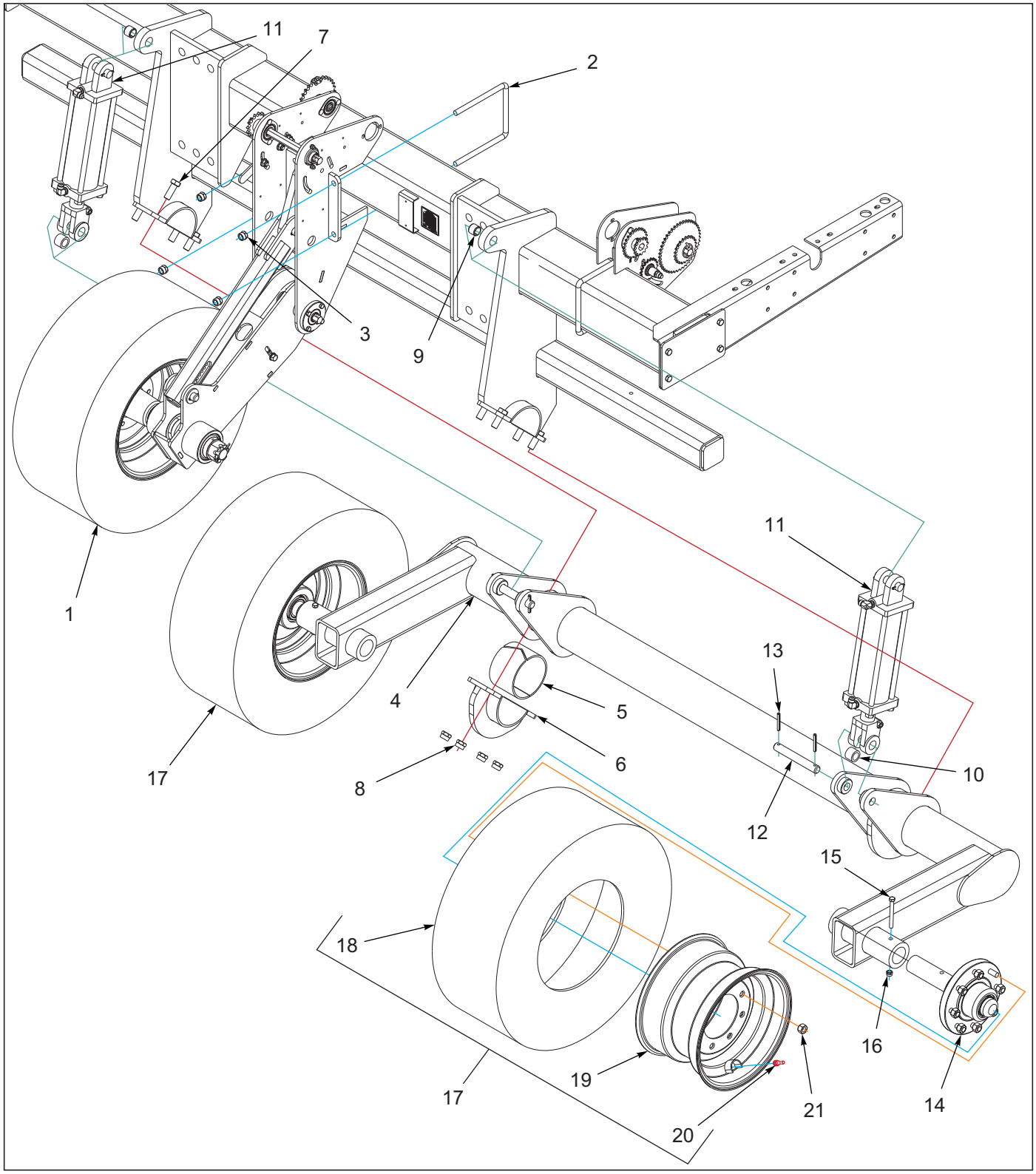



Figure 2-1: Lift & Drive Wheel Assembly 5211-10’

# Lift & Drive Wheel Assembly 5211-10’

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 189458 | HITCH ASSY, CAT III LONG 10' | |
| -- | 189459 | HITCH ASSY, DBL LONG 10' | |
| 1 | 158175 | DRIVE WHEEL ASSY,SPRING RIGHT **(SEE PAGE 2-23)** | 1 |
| 2 | 70593063 | U-BOLT | 2 |
| 3 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 4 |
| 4 | 155883 | LIFT, 5210-10' WLDMT | 1 |
| 5 | 140519 | BEARING, UHMW 4IN | 2 |
| 6 | 155881 | MOUNT, LIFT BEARING WLDMT | 2 |
| 7 | 1-654-010061-05 | SCREW,HHC,3/4-10UNCX2,GR5,ZP | 8 |
| 8 | 1-512-010005-15 | NUT,HEX,SLFLKG GRB 3/4-10 | 8 |
| 9 | 2-150-010008 | BUSHING 1-1/4ODX1IDX1 STEEL | 2 |
| 10 | 2-150-010227 | BUSHING, HITCH, 2327 | 2 |
| 11 | 144321 | CYLINDER, 4 X 10 **(SEE PAGE 2-47)** | 2 |
| 12 | 158299 | PIN 1X7-5/16 | 2 |
| 13 | 1-647-010004240 | PIN,SPRING,SLOTTED,5/16X2-1/2 | 4 |
| 14 | 147553 | 8 BOLT HUB ASSY, 2-1/4" SPDL **(SEE PAGE 2-25)** | 2 |
| 15 | 141809 | SCREW HX CP7/16-14UNC X 4 GR5 | 2 |
| 16 | 101988 | NUT,HEXSLF-LKG 7/16-14 GRB | 2 |
| 17 | 158300 | TIRE & WHEEL ASSY, 280/70R15 **(INCLUDES ITEMS 18-21)** | 2 |
| 18 | 204384 | FIRESTONE RADIAL 280/70R15 | 2 |
| 19 | 140548 | WHEEL, 15 X 10 LB 8 BOLT | 2 |
| 20 | TR416 | VALVE STEM TUBELESS TIRE | 2 |
| 21 | 102600 | NUT,WHEEL BOLT, 5/8 | 16 |

# Lift & Drive Wheel Long/Coulter Hitch Assembly 5211-12-1/2’

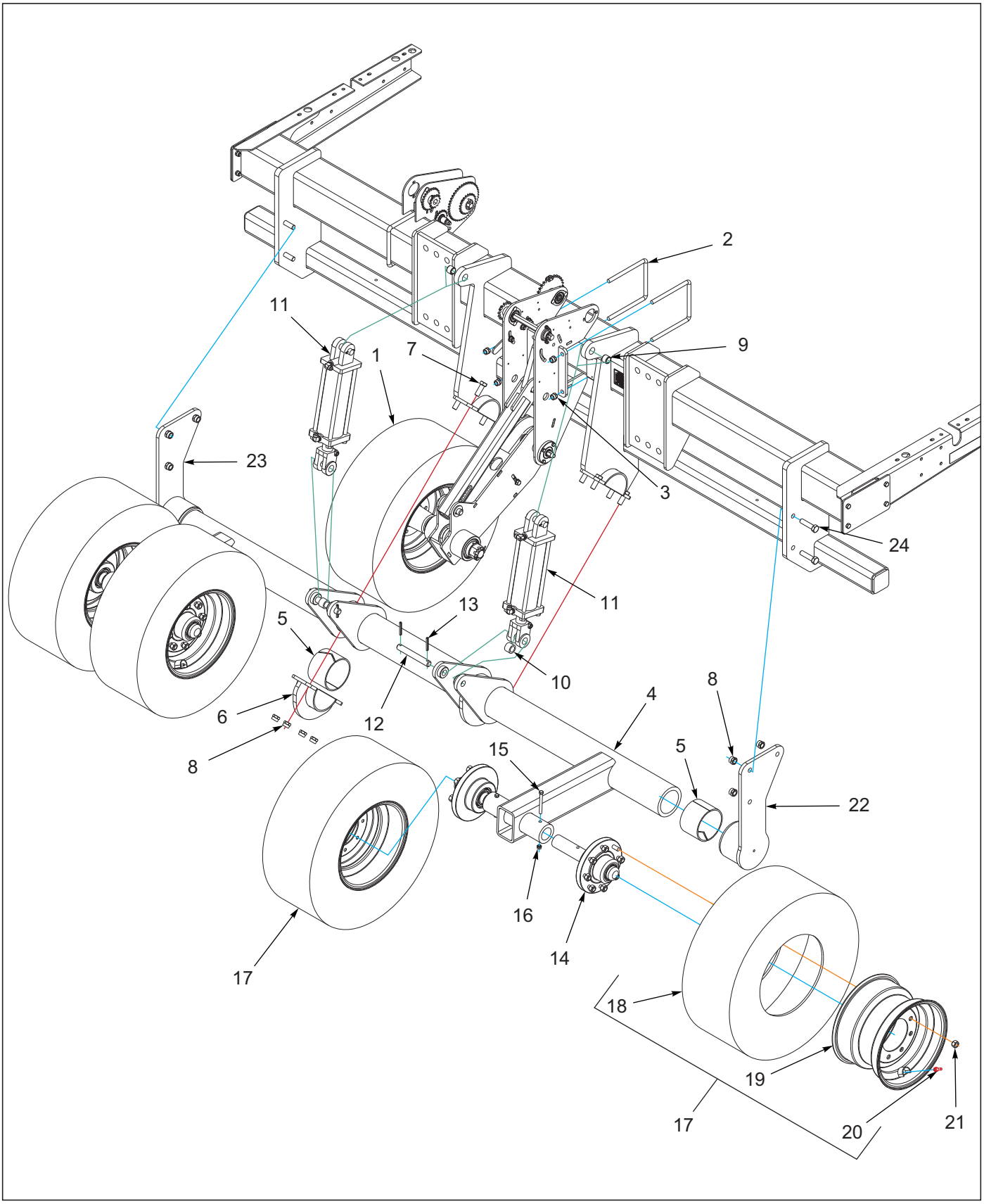



Figure 2-2: Lift & Drive Wheel Assembly 5211-12-1/2’

# Lift & Drive Wheel Assembly 5211-12-1/2’

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 189460 | HITCH ASSY, CAT III LONG 12.5' | |
| -- | 189461 | HITCH ASSY, DBL LONG 12.5' | |
| 1 | 158175 | DRIVE WHEEL ASSY,SPRING RIGHT **(SEE PAGE 2-23)** | 1 |
| 2 | 70593063 | U-BOLT | 2 |
| 3 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 4 |
| 4 | 155884 | LIFT, 5210 - 12-1/2' WLDMT | 1 |
| 5 | 140519 | BEARING, UHMW 4IN | 4 |
| 6 | 155881 | MOUNT, LIFT BEARING WLDMT | 2 |
| 7 | 1-654-010061-05 | SCREW,HHC,3/4-10UNCX2,GR5,ZP | 8 |
| 8 | 1-512-010005-15 | NUT,HEX,SLFLKG GRB 3/4-10 | 14 |
| 9 | 2-150-010008 | BUSHING 1-1/4ODX1IDX1 STEEL | 2 |
| 10 | 2-150-010227 | BUSHING, HITCH, 2327 | 2 |
| 11 | 144321 | CYLINDER, 4 X 10 **(SEE PAGE 2-47)** | 2 |
| 12 | 158299 | PIN 1X7-5/16 | 2 |
| 13 | 1-647-010004240 | PIN,SPRING,SLOTTED,5/16X2-1/2 | 4 |
| 14 | 147553 | 8 BOLT HUB ASSY, 2-1/4" SPDL **(SEE PAGE 2-25)** | 4 |
| 15 | 141809 | SCREW HX CP7/16-14UNC X 4 GR5 | 4 |
| 16 | 101988 | NUT,HEXSLF-LKG 7/16-14 GRB | 4 |
| 17 | 158300 | TIRE & WHEEL ASSY, 280/70R15 **(INCLUDES ITEMS 18-20)** | 4 |
| 18 | 204384 | FIRESTONE RADIAL 280/70R15 | 4 |
| 19 | 140548 | WHEEL, 15 X 10 LB 8 BOLT | 4 |
| 20 | TR416 | VALVE STEM TUBELESS TIRE | 4 |
| 21 | 102600 | NUT,WHEEL BOLT, 5/8 | 32 |
| 22 | 158139 | MOUNT, BEARING LEFT WLDMT | 1 |
| 23 | 158138 | MOUNT, BEARING RIGHT WLDMT | 1 |
| 24 | 1-654-010061-09 | SCREW HX CP 3/4-10UNCX3 GR5 | 6 |

# Hitch Assembly Long, 5211-10’-12-1/2’

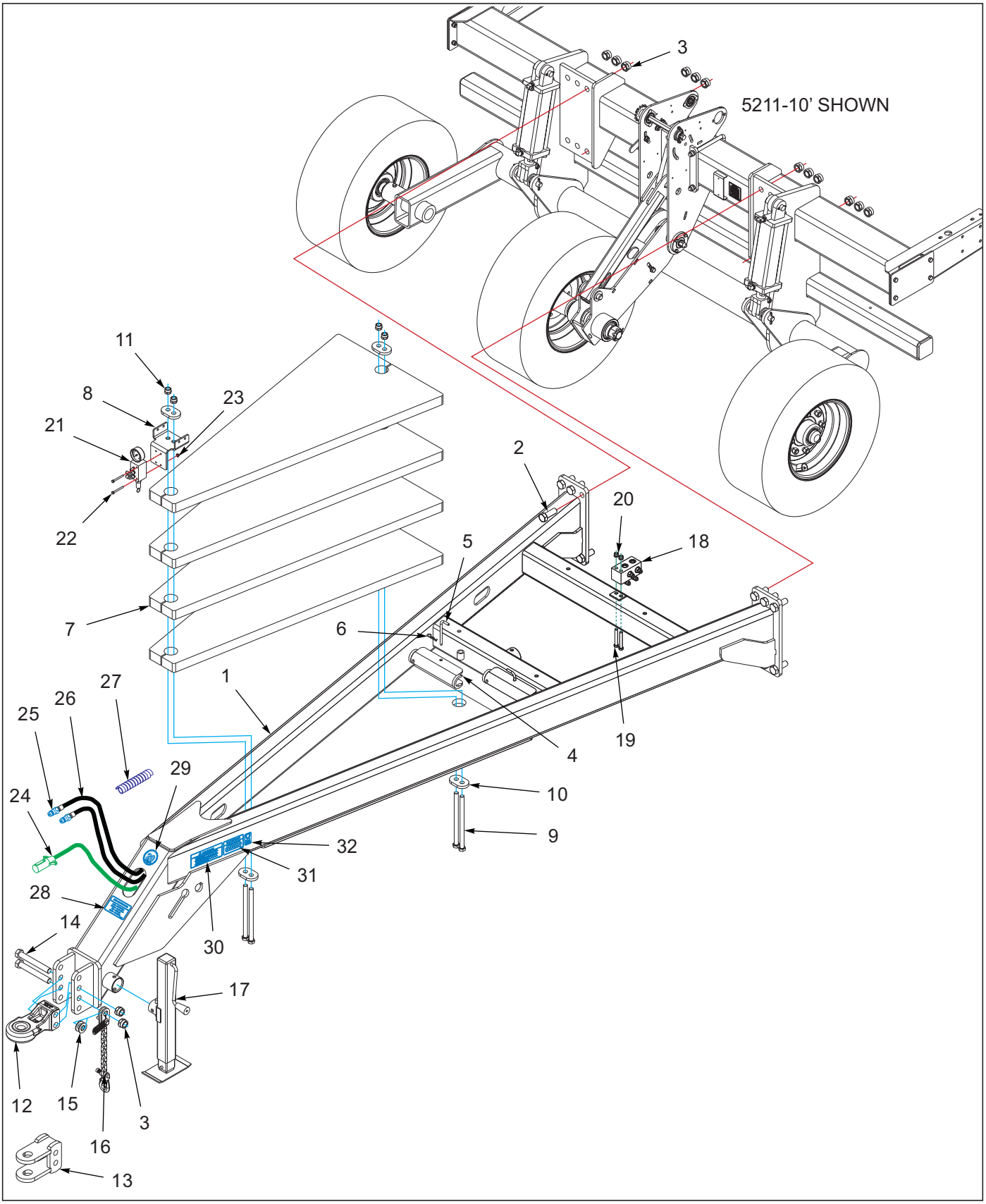



Figure 2-3: Hitch Assembly Long, 5211-10’-12-1/2

# Hitch Assembly Long, 5211-10’-12-1/2’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 189440 | HITCH ASSY, CAT III LONG | * | |
| -- | 189457 | HITCH ASSY, DBL LONG | | * |
| 1 | 189441 | HITCH, LONG 10'-12-1/2' WLDMT | 1 | 1 |
| 2 | 1-654-010065-08 | SCREW,HX CP 1-8UNC X 2-3/4GR5 | 12 | 12 |
| 3 | 1-512-010005-19 | NUT 1-8 HEX SLF-LOCKING GRB | 14 | 14 |
| 4 | 159885 | LOCKOUT, 1-3/4" ROD X 10 WLDMT | 2 | 2 |
| 5 | 104358 | L PIN,CYL STOP | 2 | 2 |
| 6 | 1-557-010403 | HAIRPIN 1/8 | 2 | 2 |
| 7 | 189449 | PLATE, WEIGHT HITCH | 4 | 4 |
| 8 | 179786 | BRACKET, COMPRESSOR | 1 | 1 |
| 9 | 100809 | SCREW,HEX CAP,3/4-10X11-1/2G5 | 4 | 4 |
| 10 | 176766 | PLATE, WEIGHT LOCK | 4 | 4 |
| 11 | 1-512-010005-15 | NUT,HEX,SLFLKG GRB 3/4-10 | 4 | 4 |
| 12 | 177030 | HITCH, BALL CAT III **(SEE PAGE 2-29)** | 1 | -- |
| 13 | 161550 | HITCH CLEVIS DOUBLE 1-9/16 WLD **(SEE PAGE 2-29)** | -- | 1 |
| 14 | 153696 | BOLT, HITCH CLEVIS | 2 | 2 |
| 15 | 1-861-010032-24 | WASHER FL 1IN NARROW ZP | 2 | 2 |
| 16 | 141434 | SAFETY CHAIN 21,000LB | 1 | 1 |
| 17 | 140647 | JACK, SIDE WIND 7000/8000 LB **(SEE PAGE 2-30)** | 1 | 1 |
| 18 | 2-474-010022 | MANIFOLD HYDRAULIC, 8 HOSE | 1 | 1 |
| 19 | 1-654-010055-11 | SCREW,HX CP 1/2-13UNCX3-1/2 | 2 | 2 |
| 20 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB | 2 | 2 |
| 21 | 158285 | AIR MANIFOLD ASSY **(SEE PAGE 4-1)** | 1 | 1 |
| 22 | 1-654-010047-12 | SCREW,HEX 1/4-20UNCX2-1/2 | 2 | 2 |
| 23 | 108417 | NUT SPIRAL 1/4-20HX FG | 2 | 2 |
| 24 | 174441 | HARNESS, MAIN WARNING LIGHTS **(SEE PAGE 6-3 AND 6-5)** | 1 | 1 |
| 25 | 141828 | COUPLER,MALE 3/4-16 O-RING | 2 | 2 |
| 26 | 145130 | HOSE ASSY 3/8X214 #8 JICX#80R **(SEE PAGE 2-11)** | 2 | 2 |
| 27 | 155528 | HOSE WRAP, BLUE 1" ID X 8" | 1 | 1 |
| 28 | 224513 | DECAL, HOSE ID GRAIN DRILL | 1 | 1 |
| 29 | 144193 | DECAL,  SIS 20 MPH | 1 | 1 |
| 30 | 8-573-010084 | DECAL WARNING BEFORE OPERATG | 1 | 1 |
| 31 | 211045 | DECAL, AIR SYSTEM | 1 | 1 |
| 32 | 2-573-010198 | DECAL, MEMBER FEMA | 1 | 1 |

# Lift & Drive Wheel Long/Coulter Hitch Assembly 5211-15'-20'

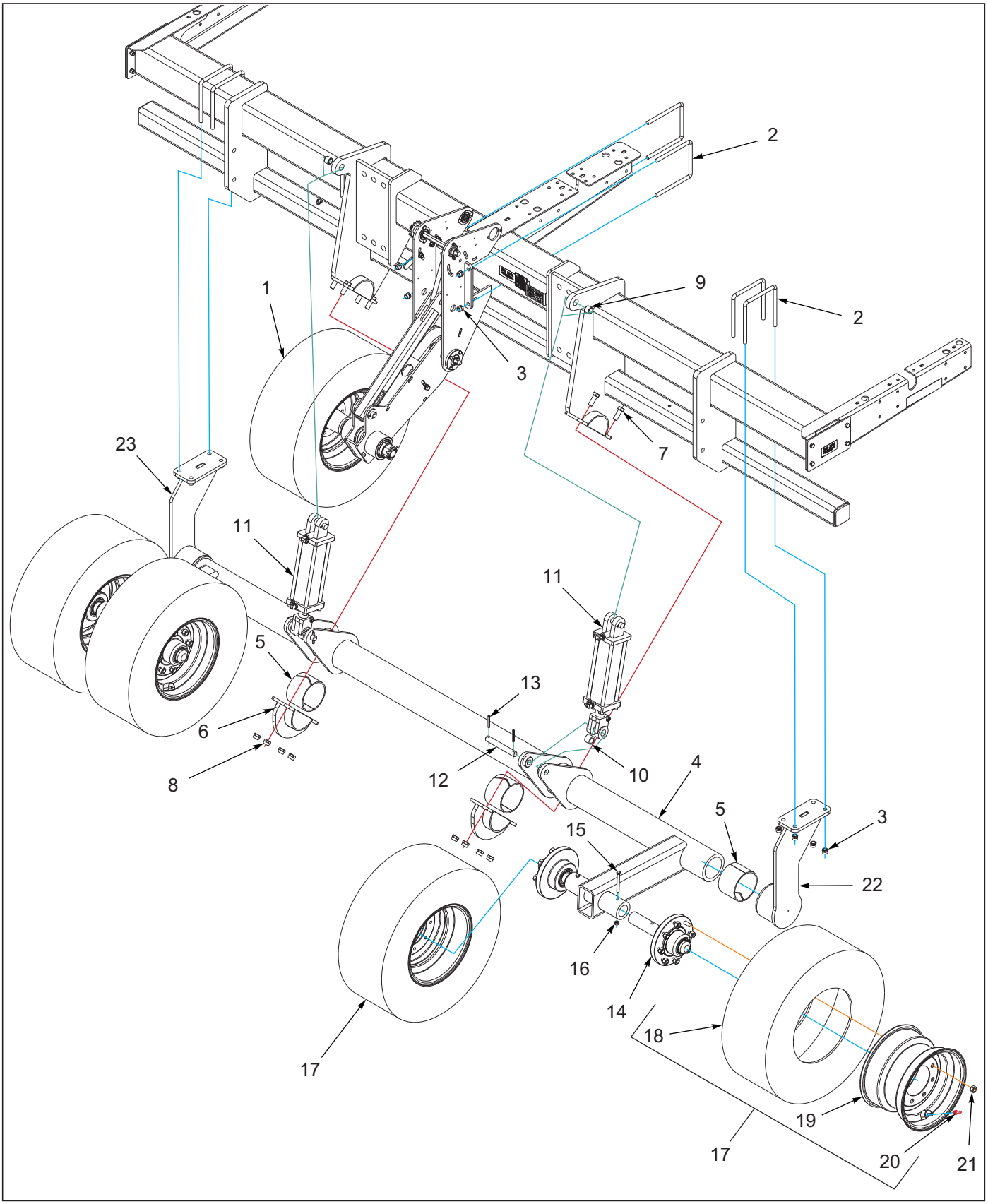



Figure 2-4: Lift & Drive Wheel Assembly 5211-15'-20'

# Lift & Drive Wheel Assembly 5211-15’-20’

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 179777 | HITCH ASSY, CAT III LONG | |
| -- | 183963 | HITCH ASSY, DBL LONG | |
| 1 | 158175 | DRIVE WHEEL ASSY,SPRING RIGHT **(SEE PAGE 2-23)** | 1 |
| 2 | 70593063 | U-BOLT | 6 |
| 3 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 12 |
| 4 | 155885 | LIFT, 5210 - 15' WLDMT | 1 |
| 5 | 140519 | BEARING, UHMW 4IN | 4 |
| 6 | 155881 | MOUNT, LIFT BEARING WLDMT | 2 |
| 7 | 1-654-010061-05 | SCREW,HHC,3/4-10UNCX2,GR5,ZP | 8 |
| 8 | 1-512-010005-15 | NUT,HEX,SLFLKG GRB 3/4-10 | 14 |
| 9 | 2-150-010008 | BUSHING 1-1/4ODX1IDX1 STEEL | 2 |
| 10 | 2-150-010227 | BUSHING, HITCH, 2327 | 2 |
| 11 | 144321 | CYLINDER, 4 X 10 **(SEE PAGE 2-47)** | 2 |
| 12 | 158299 | PIN 1X7-5/16 | 2 |
| 13 | 1-647-010004240 | PIN,SPRING,SLOTTED,5/16X2-1/2 | 4 |
| 14 | 147553 | 8 BOLT HUB ASSY, 2-1/4" SPDL **(SEE PAGE 2-25)** | 4 |
| 15 | 141809 | SCREW HX CP7/16-14UNC X 4 GR5 | 4 |
| 16 | 101988 | NUT,HEXSLF-LKG 7/16-14 GRB | 4 |
| 17 | 158300 | TIRE & WHEEL ASSY, 280/70R15 **(INCLUDES ITEMS 18-20)** | 4 |
| 18 | 204384 | FIRESTONE RADIAL 280/70R15 | 4 |
| 19 | 140548 | WHEEL, 15 X 10 LB 8 BOLT | 4 |
| 20 | TR416 | VALVE STEM TUBELESS TIRE | 4 |
| 21 | 102600 | NUT,WHEEL BOLT, 5/8 | 32 |
| 22 | 159891 | MOUNT, BEARING LEFT WLDMT | 1 |
| 23 | 159890 | MOUNT, BEARING RIGHT WLDMT | 1 |

# Hitch Assembly Long, 5211-15’-20’

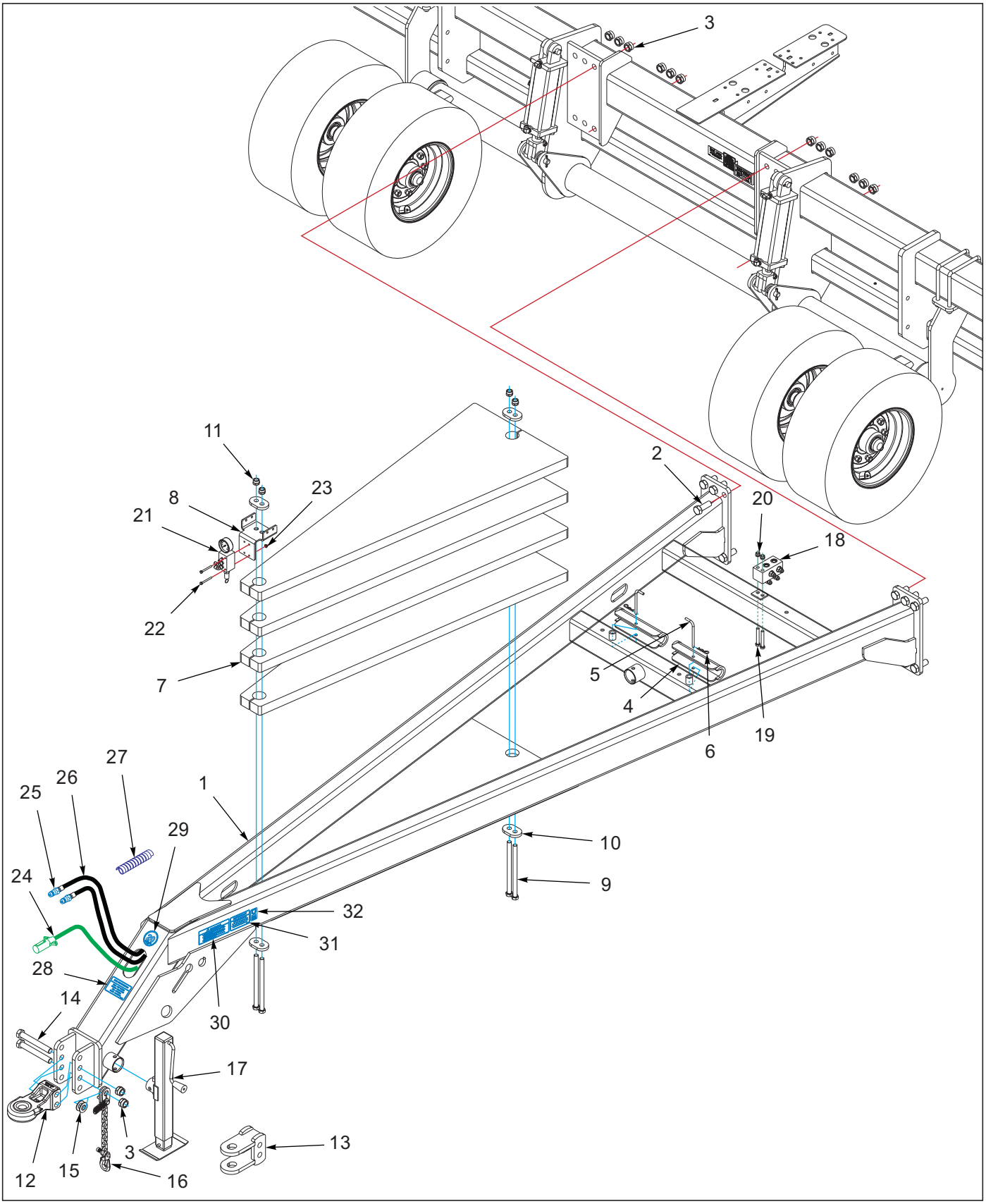



Figure 2-5: Hitch Assembly Long, 5211-15’-20’

# Hitch Assembly Long, 5211-15’-20’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 179787 | HITCH ASSY, CAT III LONG | * | |
| -- | 183962 | HITCH ASSY, DBL LONG | | * |
| 1 | 179778 | HITCH LONG | 1 | 1 |
| 2 | 1-654-010065-08 | SCREW,HX CP 1-8UNC X 2-3/4GR5 | 12 | 12 |
| 3 | 1-512-010005-19 | NUT 1-8 HEX SLF-LOCKING GRB | 14 | 14 |
| 4 | 159885 | LOCKOUT, 1-3/4" ROD X 10 WLDMT | 2 | 2 |
| 5 | 104358 | L PIN,CYL STOP | 2 | 2 |
| 6 | 1-557-010403 | HAIRPIN 1/8 | 2 | 2 |
| 7 | 179780 | PLATE, WEIGHT HITCH | 4 | 4 |
| 8 | 179786 | BRACKET, COMPRESSOR | 1 | 1 |
| 9 | 100809 | SCREW,HEX CAP,3/4-10X11-1/2G5 | 4 | 4 |
| 10 | 176766 | PLATE, WEIGHT LOCK | 4 | 4 |
| 11 | 1-512-010005-15 | NUT,HEX,SLFLKG GRB 3/4-10 | 4 | 4 |
| 12 | 177030 | HITCH, BALL CAT III **(SEE PAGE 2-29)** | 1 | -- |
| 13 | 161550 | HITCH CLEVIS DOUBLE 1-9/16 WLD **(SEE PAGE 2-29)** | -- | 1 |
| 14 | 153696 | BOLT, HITCH CLEVIS | 2 | 2 |
| 15 | 1-861-010032-24 | WASHER FL 1IN NARROW ZP | 2 | 2 |
| 16 | 141434 | SAFETY CHAIN 21,000LB | 1 | 1 |
| 17 | 140647 | JACK, SIDE WIND 7000/8000 LB **(SEE PAGE 2-30)** | 1 | 1 |
| 18 | 2-474-010022 | MANIFOLD HYDRAULIC, 8 HOSE | 1 | 1 |
| 19 | 1-654-010055-11 | SCREW,HX CP 1/2-13UNCX3-1/2 | 2 | 2 |
| 20 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB | 2 | 2 |
| 21 | 158285 | AIR MANIFOLD ASSY **(SEE PAGE 4-1)** | 1 | 1 |
| 22 | 1-654-010047-12 | SCREW,HEX 1/4-20UNCX2-1/2 | 2 | 2 |
| 23 | 108417 | NUT SPIRAL 1/4-20HX FG | 2 | 2 |
| 24 | 174441 | HARNESS, MAIN WARNING LIGHTS **(SEE PAGE 6-3 AND 6-5)** | 1 | 1 |
| 25 | 141828 | COUPLER,MALE 3/4-16 O-RING | 2 | 2 |
| 26 | 158295 | HOSE ASSY 3/8X255 #8JICX#8OR **(SEE PAGE 2-11)** | 2 | 2 |
| 27 | 155528 | HOSE WRAP, BLUE 1" ID X 8" | 1 | 1 |
| 28 | 224513 | DECAL, HOSE ID GRAIN DRILL | 1 | 1 |
| 29 | 144193 | DECAL,  SIS 20 MPH | 1 | 1 |
| 30 | 8-573-010084 | DECAL WARNING BEFORE OPERATG | 1 | 1 |
| 31 | 211045 | DECAL, AIR SYSTEM | 1 | 1 |
| 32 | 2-573-010198 | DECAL, MEMBER FEMA | 1 | 1 |

# Hitch Assembly Lift Hydraulic

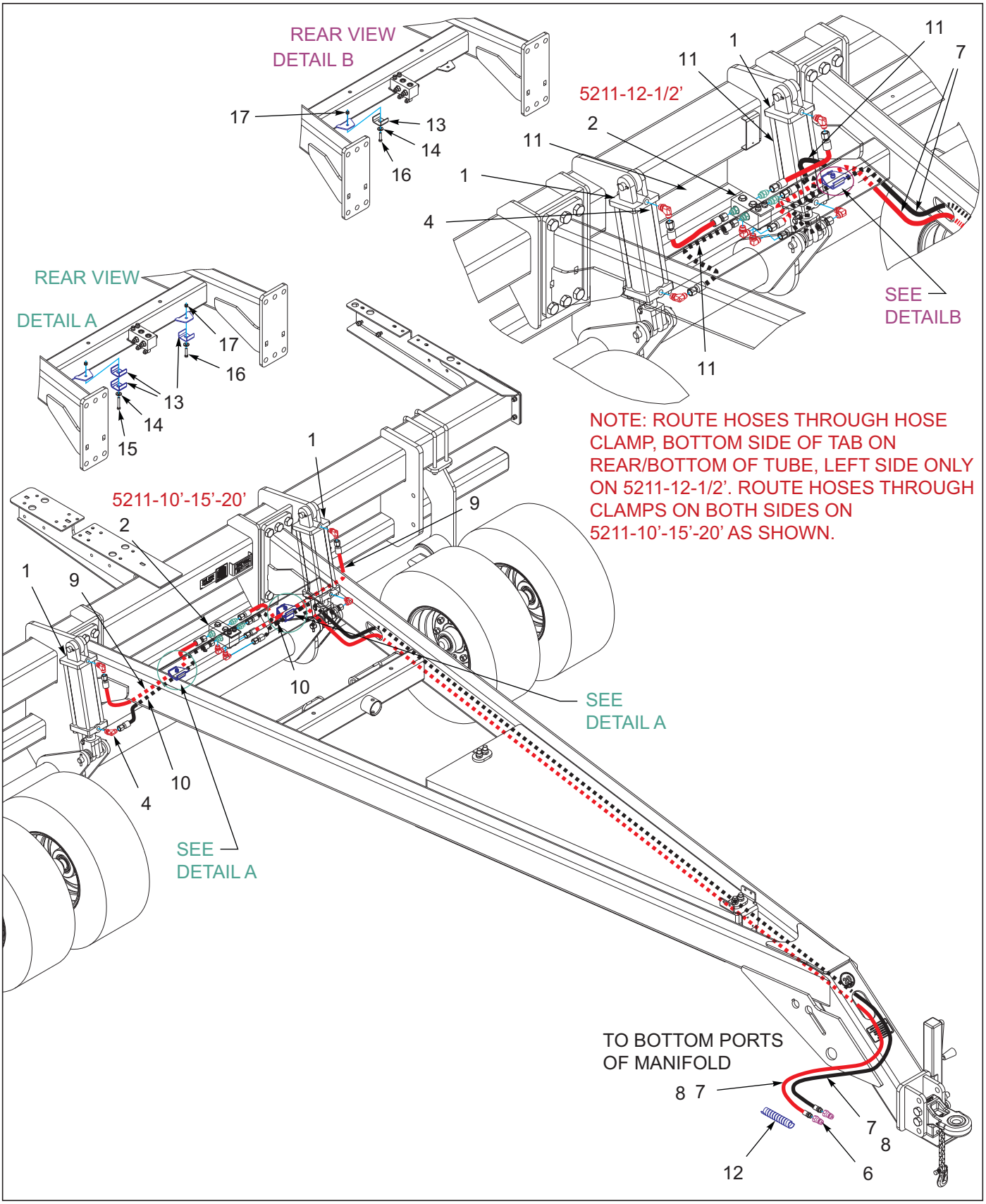



**Figure 2-6: Hitch Assembly Lift Hydraulic (1 of 2)**

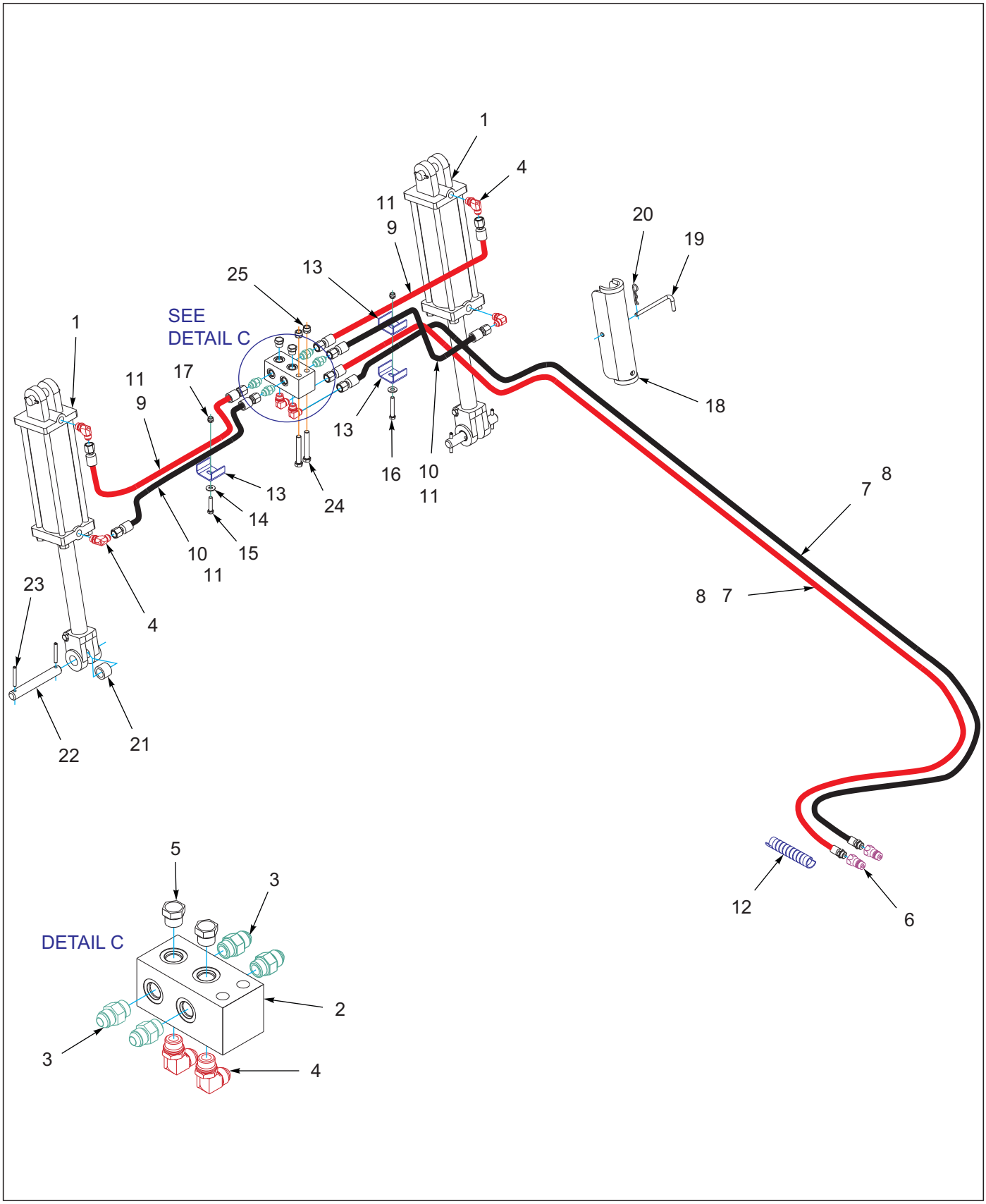



**Figure 2-7: Hitch Assembly Lift Hydraulic (2 of 2)**

# Hitch Assembly Lift Hydraulic

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | |
|---|---|---|---|---|---|
| -- | ---- | HYDRAULIC LIFT ASSEMBLY 5211-10’ | * | | |
| -- | ---- | HYDRAULIC LIFT ASSEMBLY 5211-12-1/2’ | | * | |
| -- | ---- | HYDRAULIC LIFT ASSEMBLY 5211-15-20’ | | | * |
| 1 | 144321 | CYLINDER, 4 X 10 **(SEE PAGE 2-47)** | 2 | 2 | 2 |
| 2 | 2-474-010022 | MANIFOLD HYDRAULIC, 8 HOSE | 1 | 1 | 1 |
| 3 | 202702-8-8S | ADAPTER #8 O-RING TO #8 TUBE | 4 | 4 | 4 |
| 4 | 2062-8-8S | ADAPTER, 90, #8 O-RING-TUBE | 6 | 6 | 6 |
| 5 | 1-007-010025 | PLUG, 3/4-16 O-RING BOSS | 2 | 2 | 2 |
| 6 | 141828 | COUPLER,MALE 3/4-16 O-RING | 2 | 2 | 2 |
| 7 | 145130 | HOSE ASSY 3/8X214 #8 JICX#80R | 2 | 2 | -- |
| 8 | 158295 | HOSE ASSY 3/8X255 #8JICX#8OR | -- | -- | 2 |
| 9 | 71508984 | HOSE .38X42 | 2 | -- | 2 |
| 10 | 147123 | HOSE ASSY, 3/8X31 #8 JIC SWV | 2 | -- | 2 |
| 11 | 153841 | HOSE ASSY 3/8X18 #8 JIC SWIV | -- | 4 | -- |
| 12 | 155528 | HOSE WRAP, BLUE 1" ID X 8" | 1 | 1 | 1 |
| 13 | 2-181-010001 | HOSE CLAMP | 3 | 1 | 3 |
| 14 | 1-861-010032-11 | WASHER, FLAT 3/8 W ZP/CD | 2 | 1 | 2 |
| 15 | 1-654-010051-11 | SCREW HX CP 3/8-16X2-1/2 G5ZP | 1 | 1 | 1 |
| 16 | 1-654-010051-08 | SCREW,HEX CAP,3/8-16X1-3/4 G5 | 1 | -- | 1 |
| 17 | 1-512-010005-05 | NUT, HEX, SLFLKG GRB 3/8-16 | 2 | 1 | 2 |
| 18 | 159885 | LOCKOUT, 1-3/4" ROD X 10 WLDMT | 2 | 2 | 2 |
| 19 | 104358 | L PIN,CYL STOP | 2 | 2 | 2 |
| 20 | 1-557-010403 | HAIRPIN 1/8 | 2 | 2 | 2 |
| 21 | 2-150-010227 | BUSHING, HITCH, 2327 | 2 | 2 | 2 |
| 22 | 158299 | PIN 1X7-5/16 | 2 | 2 | 2 |
| 23 | 1-647-010004240 | PIN,SPRING,SLOTTED,5/16X2-1/2 | 4 | 4 | 4 |
| 24 | 1-654-010055-11 | SCREW,HX CP 1/2-13UNCX3-1/2 | 2 | 2 | 2 |
| 25 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB | 2 | 2 | 2 |

Table provided for general use.

| NOTES: |
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# Hitch Assembly Coulter 5211-12-1/2'-15'

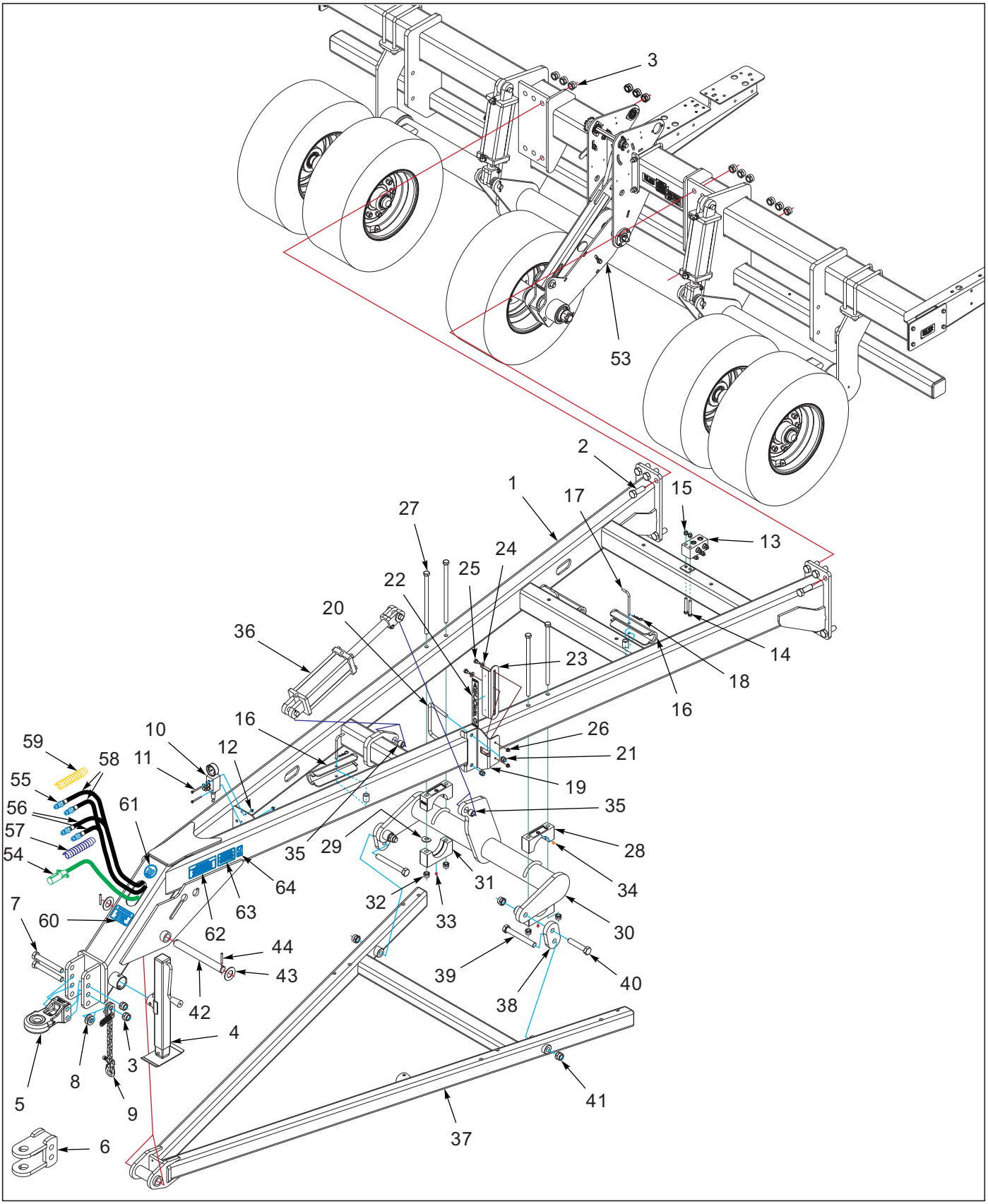



Figure 2-8: Hitch Assembly Coulter 5211-12-1/2'-15' (1 of 2)

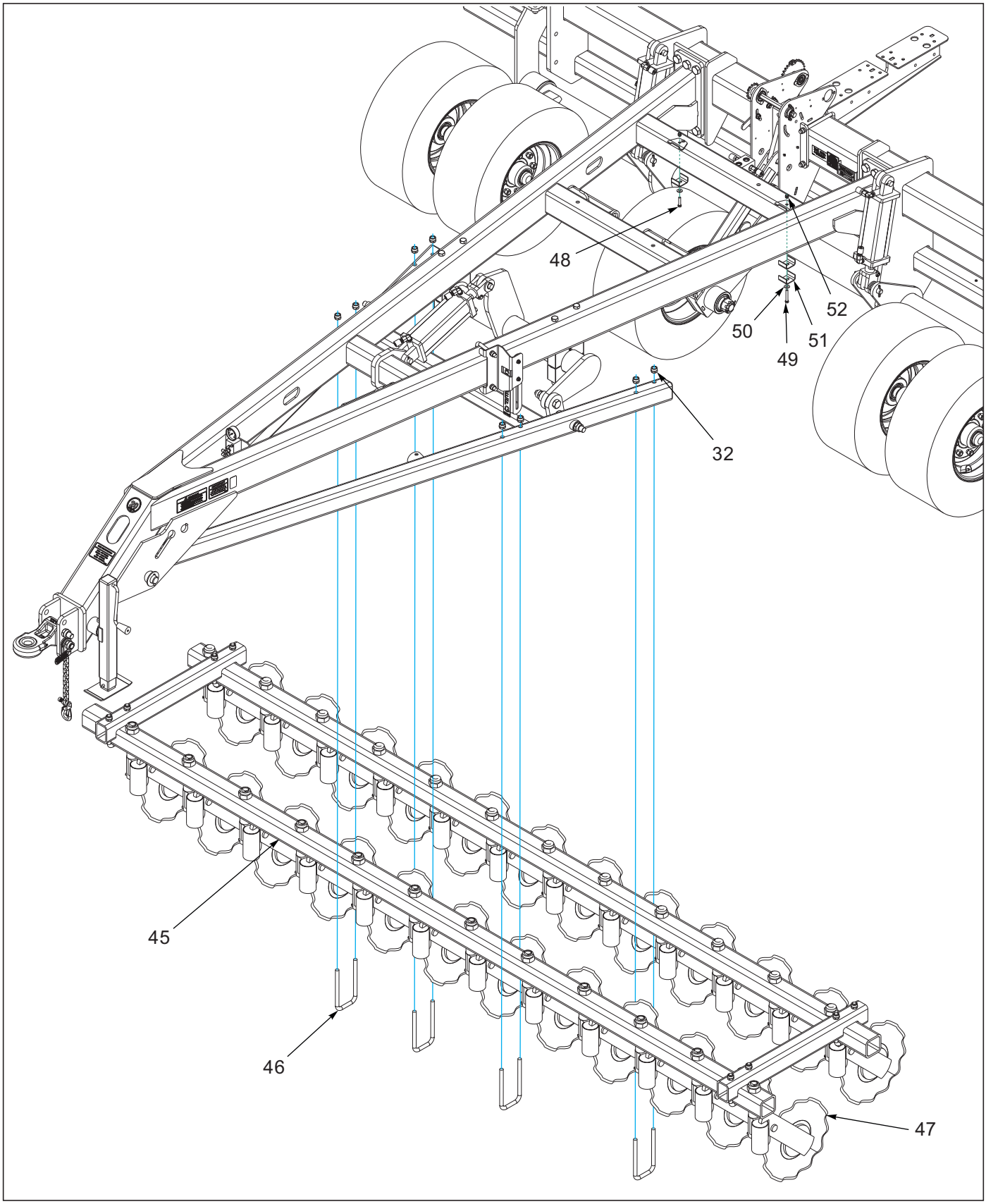



**Figure 2-9: Hitch Assembly Coulter 5211-12-1/2'-15' (2 of 2)**

# Hitch Assembly Coulter 5211-12-1/2'-15'

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | |
|---|---|---|---|---|---|---|
| -- | 176524 | CLTR HITCH CATIII ASSY12.5X7.5 | * | | | |
| -- | 176525 | CLTR HITCH DBL ASSY 12.5X7.5 | * | | | |
| -- | 176528 | CLTR HITCH CAT III ASSY 15X7.5 | | * | | |
| -- | 176529 | CLTR HITCH DBL ASSY 15X7.5 | | * | | |
| -- | 176484 | HITCH ASSY, COULTER CAT III | | | * | |
| -- | 176485 | HITCH ASSY, COULTER DBL | | | | * |
| 1 | 158132 | HITCH WLDMT, 5210 | -- | -- | 1 | 1 |
| 2 | 1-654-010065-08 | SCREW,HX CP 1-8UNC X 2-3/4GR5 | -- | -- | 12 | 12 |
| 3 | 1-512-010005-19 | NUT 1-8 HEX SLF-LOCKING GRB | -- | -- | 14 | 14 |
| 4 | 140647 | JACK, SIDE WIND 7000/8000 LB | -- | -- | 1 | 1 |
| 5 | 177030 | HITCH, BALL CAT III **(SEE PAGE 2-29)** | -- | -- | 1 | -- |
| 6 | 161550 | HITCH CLEVIS DOUBLE 1-9/16 WLD **(SEE PAGE 2-29)** | -- | -- | -- | 1 |
| 7 | 153696 | BOLT, HITCH CLEVIS | -- | -- | 2 | 2 |
| 8 | 1-861-010032-24 | WASHER FL 1IN NARROW ZP | -- | -- | 2 | 2 |
| 9 | 141434 | SAFETY CHAIN 21,000LB | -- | -- | 1 | 1 |
| 10 | 158285 | AIR MANIFOLD ASSY **(SEE PAGE 4-5)** | -- | -- | 1 | 1 |
| 11 | 1-654-010047-12 | SCREW,HEX 1/4-20UNCX2-1/2 | -- | -- | 2 | 2 |
| 12 | 108417 | NUT SPIRAL 1/4-20HX FG | -- | -- | 2 | 2 |
| 13 | 2-474-010022 | MANIFOLD HYDRAULIC, 8 HOSE | -- | -- | 1 | 1 |
| 14 | 1-654-010055-11 | SCREW,HX CP 1/2-13UNCX3-1/2 | -- | -- | 2 | 2 |
| 15 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB | -- | -- | 3 | 3 |
| 16 | 159885 | LOCKOUT, 1-3/4" ROD X 10 WLDMT | -- | -- | 3 | 3 |
| 17 | 104358 | L PIN,CYL STOP | -- | -- | 3 | 3 |
| 18 | 1-557-010403 | HAIRPIN 1/8 | -- | -- | 3 | 3 |
| 19 | 158283 | MOUNT, DEPTH SCALE | -- | -- | 1 | 1 |
| 20 | 158279 | U-BOLT, 5/8X7-11/16X5-1/2 | -- | -- | 1 | 1 |
| 21 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | -- | -- | 2 | 2 |
| 22 | 141263 | DECAL, LEVEL INDICATOR | -- | -- | 1 | 1 |
| 23 | 158284 | INDICATOR, DEPTH SCALE | -- | -- | 1 | 1 |
| 24 | 1-861-010032-14 | WASHER, FLAT 1/2" N ZP/CD | -- | -- | 2 | 2 |
| 25 | 2-095-010017 | BOLT, SHOULDER HEX HEAD | -- | -- | 2 | 2 |
| 26 | 1-510-010003-05 | NUT,3/8-16 FLANGE HD,SERRATED | -- | -- | 2 | 2 |
| 27 | 149193 | SCREW HX CP 3/4-10UNCX15 GR5 | -- | -- | 4 | 4 |
| 28 | 159893 | BEARING CAP,RCKSHFT TOP 3/4HL | -- | -- | 2 | 2 |
| 29 | 2-684-010045 | SHIM,ROCKSHAFT BEARING 3/4" | -- | -- | 4 | 4 |
| 30 | 158127 | LIFT, COULTER WLDMT | -- | -- | 1 | 1 |
| 31 | 159894 | BEARING CAP,RCKSHFT BTM 3/4HL | -- | -- | 2 | 2 |
| 32 | 1-512-010005-15 | NUT,HEX,SLFLKG GRB 3/4-10 | -- | -- | 12 | 12 |
| 33 | 1-298-010001-1 | ZERK FITTING 1/4 SAE | -- | -- | 2 | 2 |
| 34 | 5410 | FITTING GREASE 1/4-28 90 1911 | -- | -- | 2 | 2 |
| 35 | 2-150-010008 | BUSHING 1-1/4ODX1IDX1 STEEL | -- | -- | 2 | 2 |
| 36 | 144321 | CYLINDER, 4 X 10 **(SEE PAGE 2-47)** | -- | -- | 1 | 1 |
| 37 | 158290 | FRAME, COULTER WLDMT | -- | -- | 1 | 1 |
| 38 | 158293 | LINK, COULTER FRAME | -- | -- | 2 | 2 |
| 39 | 100824 | SCREW,HEX CAP 1-8X8 GR5 | -- | -- | 2 | 2 |
| 40 | 1-654-010065-15 | SCREW HX CP 1-8UNCX5 GR5 | -- | -- | 2 | 2 |
| 41 | 114462 | NUT,HEX SLFLKG 1-8 UNC GRC | -- | -- | 4 | 4 |
| 42 | 158286 | PIN, 1-1/2 X 14 | -- | -- | 1 | 1 |
| 43 | 1-861-010032-32 | WASHER FLAT ZP/CD 1-1/2 | -- | -- | 2 | 2 |

# Hitch Assembly Coulter 5211-12-1/2’-15’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | |
|---|---|---|---|---|---|---|
| 44 | 1-647-010004240 | PIN,SPRING,SLOTTED,5/16X2-1/2 | -- | -- | 2 | 2 |
| 45 | 158120 | FRAME ASSY,COULTER 12-1/2X7.5 **(SEE PAGE 2-19)** | 1 | -- | -- | -- |
| 45 | 158122 | FRAME ASSY,COULTER 15'X7-1/2" **(SEE PAGE 2-19)** | -- | 1 | -- | -- |
| 46 | 2-102-010063 | U-BOLT, CLAMP DISC SHANK | -- | -- | 4 | 4 |
| 47 | 158301 | COULTER BLADE 17", WAVY | 20 | 24 | -- | -- |
| 48 | 1-654-010051-08 | SCREW,HEX CAP,3/8-16X1-3/4 G5 | 1 | 1 | -- | -- |
| 49 | 1-654-010051-11 | SCREW HX CP 3/8-16X2-1/2 G5ZP | -- | 1 | -- | -- |
| 50 | 1-861-010032-11 | WASHER, FLAT 3/8 W ZP/CD | 1 | 2 | -- | -- |
| 51 | 2-181-010001 | HOSE CLAMP | 1 | 3 | -- | -- |
| 52 | 1-512-010005-05 | NUT, HEX, SLFLKG GRB 3/8-16 | 1 | 2 | -- | -- |
| 53 | 158175 | DRIVE WHEEL ASSY,SPRING RIGHT **(SEE 2-3 FOR 5211-12-1/2’ OR 2-7 FOR 5211-15’)** | 1 | 1 | -- | -- |
| 54 | 174441 | HARNESS, MAIN WARNING LIGHTS | -- | -- | 1 | 1 |
| 55 | 141828 | COUPLER,MALE 3/4-16 O-RING | -- | -- | 4 | 4 |
| 56 | 158295 | HOSE ASSY 3/8X255 #8JICX#8OR | -- | -- | 2 | 2 |
| 57 | 155528 | HOSE WRAP, BLUE 1" ID X 8" | -- | -- | 1 | 1 |
| 58 | 158294 | HOSE ASSY 3/8X165 #8JICX#8OR | -- | -- | 2 | 2 |
| 59 | 155529 | HOSE WRAP, YELLOW 1" ID X 8" | -- | -- | 1 | 1 |
| 60 | 224513 | DECAL, HOSE ID GRAIN DRILL | -- | -- | 1 | 1 |
| 61 | 144193 | DECAL,  SIS 20 MPH | -- | -- | 1 | 1 |
| 62 | 8-573-010084 | DECAL WARNING BEFORE OPERATG | -- | -- | 1 | 1 |
| 63 | 211045 | DECAL, AIR SYSTEM | -- | -- | 1 | 1 |
| 64 | 2-573-010198 | DECAL, MEMBER FEMA | -- | -- | 1 | 1 |

# Coulter Frame Assembly

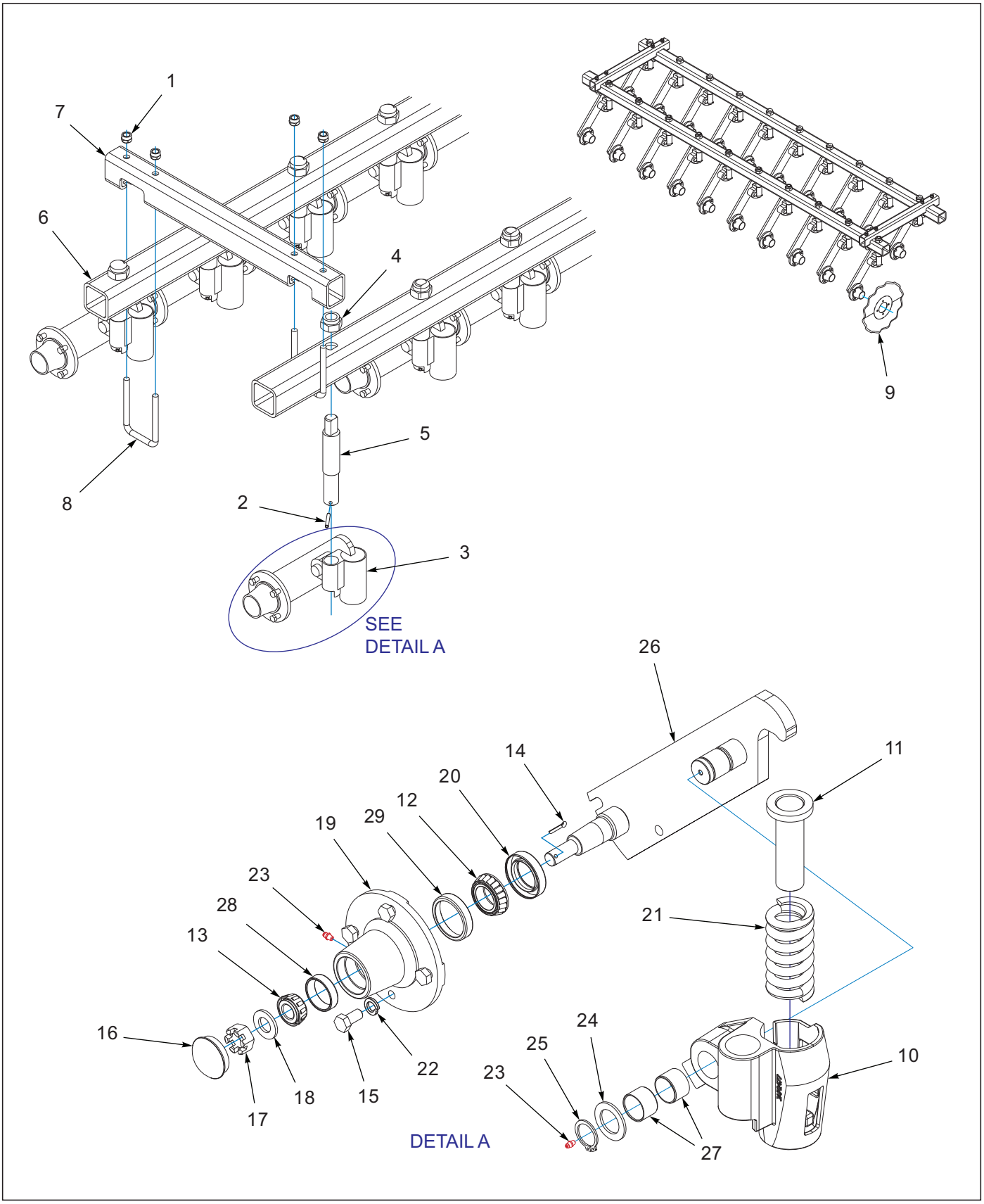



**Figure 2-10: Coulter Frame Assembly**

# Coulter Frame Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 158120 | FRAME ASSY,COULTER 12-1/2X7.5 | * | |
| -- | 158122 | FRAME ASSY,COULTER 15'X7-1/2" | | * |
| 1 | 1-512-010005-15 | NUT,HEX,SLFLKG GRB 3/4-10 | 8 | 8 |
| 2 | 1-647-010004257 | PIN,SPRING,SLOTTED 3/8X2-1/2 | 20 | 24 |
| 3 | 117823 | COULTER ASSY, THURSTON | 20 | 24 |
| 4 | 157020 | NUT,HEX TOPLOCK 1-1/2-12 GRC | 20 | 24 |
| 5 | 158109 | SHAFT, COULTER | 20 | 24 |
| 6 | 158112 | BAR, COULTER 12-1/2X7-1/2 | 2 | -- |
| 6 | 158114 | BAR, COULTER 15'X7-1/2" | -- | -2 |
| 7 | 158296 | BAR, COULTER FRAME | 2 | 2 |
| 8 | 2-102-010056 | U-BOLT, CLAMP DISC SHANK | 4 | 4 |
| 9 | 158301 | COULTER BLADE 17", WAVY | 20 | 24 |
| 10 | 119097 | CASTING, COULTER KNEE HD | 1 | 1 |
| 11 | 119098 | SPRING CAP & GUIDE | 1 | 1 |
| 12 | 1-076-010007 | CONE INNER | 1 | 1 |
| 13 | 1-076-010008 | OUTER CONE 4-BOLT HUB | 1 | 1 |
| 14 | 1-557-010362-40 | PIN, COTTER 5/32X1-1/4 | 1 | 1 |
| 15 | 1/2-20X1HHCS | HHCS 1/2-20X1 GR5 | 4 | 4 |
| 16 | 119099 | HUB CAP 1610 | 1 | 1 |
| 17 | 3/4-16HSN | HEX SLOTTED NUT | 1 | 1 |
| 18 | 1-861-010003 | WASHER SPINDLE 3/4 | 1 | 1 |
| 19 | 119180 | HUB W/CUPS 4 BOLT | 1 | 1 |
| 20 | 119181 | GREASE SEAL 15235TB | 1 | 1 |
| 21 | 119182 | SPRING | 1 | 1 |
| 22 | 1-861-010034-13 | WASHER, LKG HLCL SPR, 1/2 | 4 | 4 |
| 23 | 1-298-010001-1 | ZERK FITTING 1/4 SAE | 2 | 2 |
| 24 | 119183 | BUSHING,MACH 2-1/8X1-3/8X10GA | 1 | 1 |
| 25 | 119184 | SNAP RING 1-3/8 EXTERNAL | 1 | 1 |
| 26 | 119185 | COULTER ARM WLDMT, HD | 1 | 1 |
| 27 | 214802 | BUSHING, 1-17/32X1-3/8X1L | 2 | 2 |
| 28 | 1-076-010011 | CUP OUTER | 1 | 1 |
| 29 | 1-076-010010 | CUP INNER | 1 | 1 |

# Hitch Assembly Coulter Hydraulic 5211-12-1/2’-15’

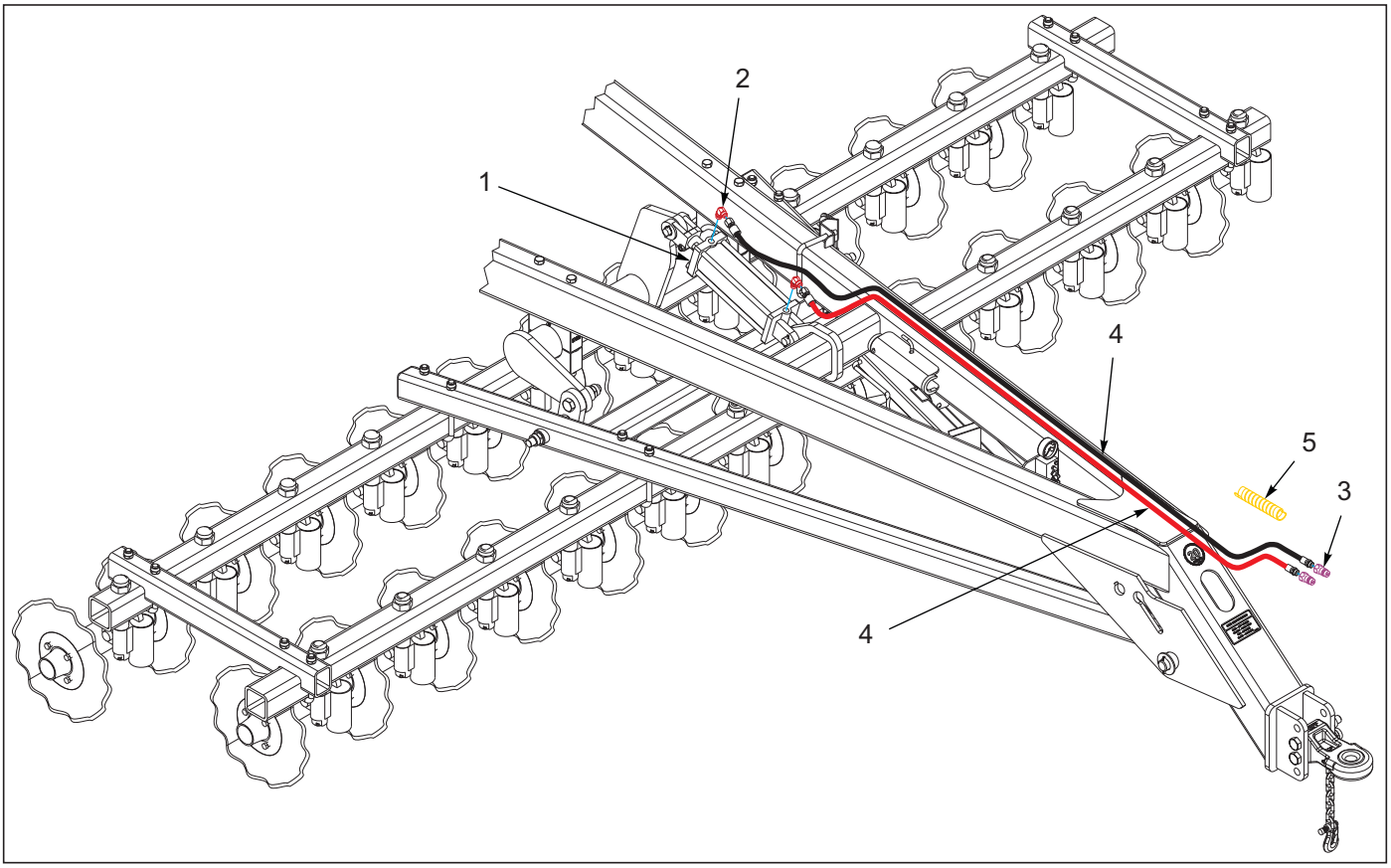



Figure 2-11: Hitch Assembly Coulter Hydraulic 5211-12-1/2’-15’

## Hitch Assembly Coulter Hydraulic 5211-12-1/2’-15’

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 144321 | CYLINDER, 4 X 10 | 1 |
| 2 | 2062-8-8S | ADAPTER, 90, #8 O-RING-TUBE | 2 |
| 3 | 141828 | COUPLER,MALE 3/4-16 O-RING | 2 |
| 4 | 158294 | HOSE ASSY 3/8X165 #8JICX#8OR | 2 |
| 5 | 155529 | HOSE WRAP, YELLOW 1" ID X 8" | 1 |

Table provided for general use.

| NOTES: |
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# Drive Wheel Assembly, Spring Right

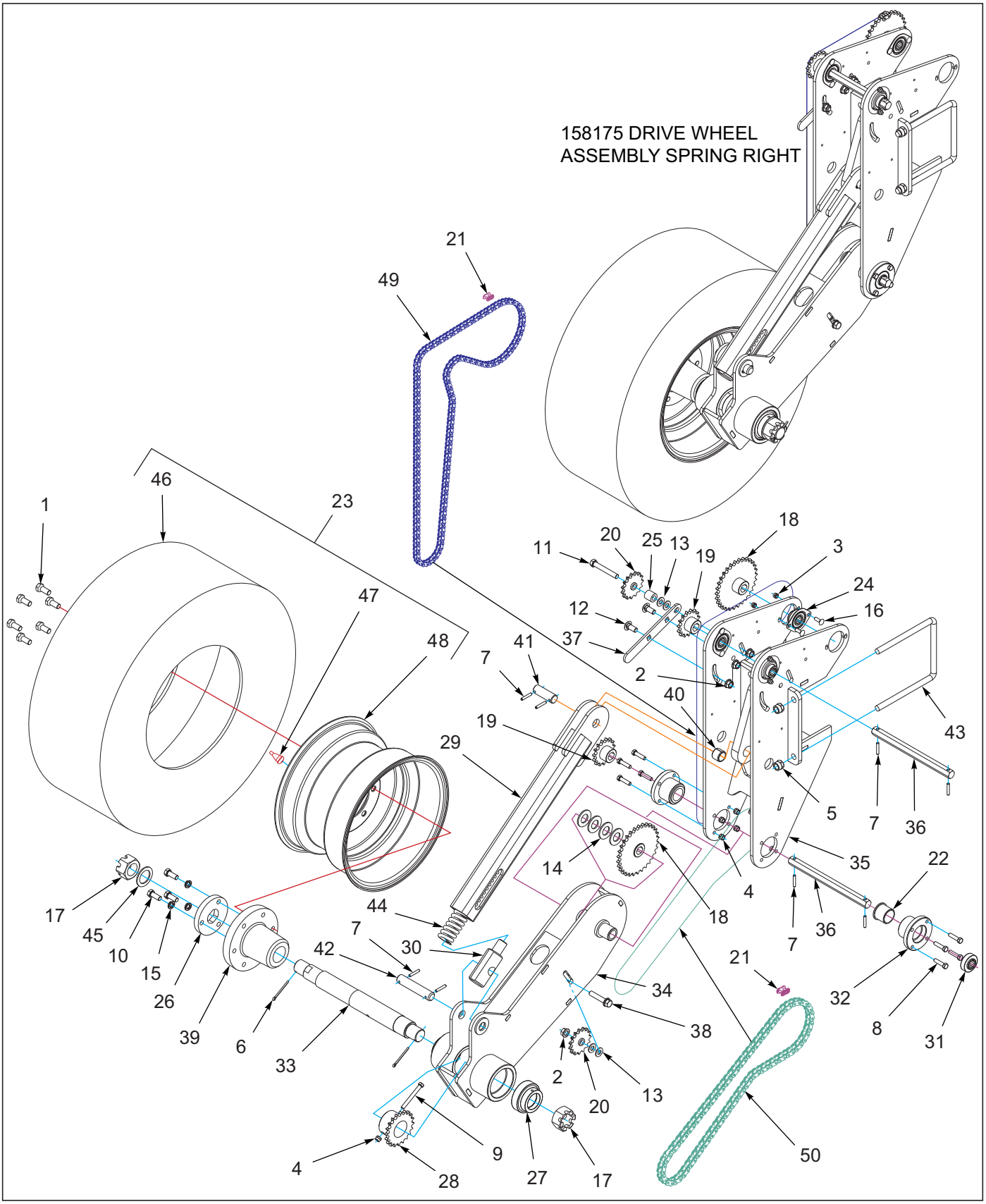



Figure 2-12: Drive Wheel Assembly, Spring Right

# Drive Wheel Assembly, Spring Right

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| - - | 158175 | DRIVE WHEEL ASSEMBLY, SPRING RIGHT | |
| 1 | 1-104-010001 | WHEEL BOLT | 6 |
| 2 | 1-510-010003-09 | NUT, FLANGE HEAD SERRATED 1/2-13 | 4 |
| 3 | 1-512-010005-03 | NUT, HEX LOCK 5/16-18 GRB | 6 |
| 4 | 1-512-010005-05 | NUT, HEX LOCK 3/8-16 GRB | 9 |
| 5 | 1-512-010005-13 | NUT, HEX LOCK 5/8-11 GRB | 4 |
| 6 | 1-557-010362-54 | PIN, COTTER 3/16 X 2-1/4 | 2 |
| 7 | 1-647-010004217 | SPRING PIN, SLOTTED 1/4 X 1-1/2 | 8 |
| 8 | 1-654-010051-07 | SCREW, HEX HEAD CAP 3/8-16 X 1-1/2 GR5 | 8 |
| 9 | 1-654-010051-14 | SCREW, HEX HEAD CAP 3/8-16 X 3-1/4 GR5 | 1 |
| 10 | 1-654-010055-02 | SCREW, HEX HEAD CAP 1/2-13 X 1-1/4 GR5 | 3 |
| 11 | 1-654-010055-11 | SCREW, HEX HEAD CAP 1/2-13 X 3-1/2 GR5 | 1 |
| 12 | 1-654-010070-02 | SCREW, RD HEAD SQ NECK 1/2-13 X 3-1/2 GR5 | 1 |
| 13 | 1-861-010032-14 | WASHER, FLAT 1/2N | 2 |
| 14 | 1-861-010032-24 | WASHER, FLAT 1N | 4 |
| 15 | 1-861-010034-13 | WASHER, SPLIT LOCK 1/2 | 3 |
| 16 | 104031 | SCREW, RD HEAD SQ NECK 5/16-18 X 1 GR5 | 6 |
| 17 | 119118 | NUT, HEX SLOTTED 1-1/2-12 | 2 |
| 18 | 125720 | SPROCKET, TRANS MONO 30 TEETH | 2 |
| 19 | 125784 | SPROCKET, TRANS MONO 15 TEETH | 2 |
| 20 | 125796 | SPROCKET W/ BEARING 15 TEETH | 2 |
| 21 | 129683 | LINK, CLIP CONN #50 CHAIN | s |
| 22 | 140599 | BEARING, FLANGE 1-1/2 | 2 |
| 23 | 142650 | TIRE & WHEEL ASSY, 280/70R15 **(INCL ITEMS 46-48)** | 1 |
| 24 | 144060 | BEARING | 3 |
| 25 | 144183 | SPACER 1X9/16X1 | 1 |
| 26 | 144251 | PLATE, HUB LOCK | 1 |
| 27 | 144252 | BALL BEARING,1.937ID W/COLLAR | 2 |
| 28 | 153817 | SPROCKET, #50X20 2 BORE | 1 |
| 29 | 158147 | TUBE, SPRING WLDMT | 1 |
| 30 | 158150 | SPRING END, DRIVE WHEEL | 1 |
| 31 | 158151 | BEARING, 2.047 X 7/8 HX BORE | 2 |
| 32 | 158152 | HUB, BEARING | 2 |
| 33 | 158153 | SPINDLE, DRIVE WHEEL | 1 |
| 34 | 158154 | AXLE, DRIVE WHEEL WLDMT | 1 |
| 35 | 158162 | MOUNT, DRIVE WHEEL WLDMT | 1 |
| 36 | 158168 | SHAFT, 7/8 HEX X 12 | 2 |
| 37 | 158169 | HANDLE, IDLER ADJUSTMENT | 1 |
| 38 | 158278 | SCREW,FLG HD SER 1/2-13X2-1/2 | 1 |
| 39 | 168841 | HUB, 6 BOLT | 1 |
| 40 | 2-150-010008 | BUSHING 1-1/4ODX1IDX1 STEEL | 1 |
| 41 | 2-557-010125 | PIN RADIUS ROD | 1 |
| 42 | 6-557-010163 | PIN HITCH LEVELING LINK | 1 |
| 43 | 70593063 | U-BOLT | 2 |
| 44 | 8-720-010013 | SPRING COMPRESSION REEL | 1 |
| 45 | 8-861-010021 | FW 2-3/8ODX1-5/8IDX1/8 ZP | 1 |

# Drive Wheel Assembly, Spring Right

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 46 | 204384 | FIRESTONE RADIAL 280/70R15 | 1 |
| 47 | 415 | VALVE STEM | 1 |
| 48 | 140547 | WHEEL, 15 X 10 LB 6 BOLT | 1 |
| 49 | 172653 | ROLLER CHAIN, #50X132P 82-1/2L | 1 |
| 50 | 172652 | ROLLER CHAIN, #50X94P 58-3/4L | 1 |

Table provided for general use.

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# Hub and Spindle Assembly - 8 Bolt

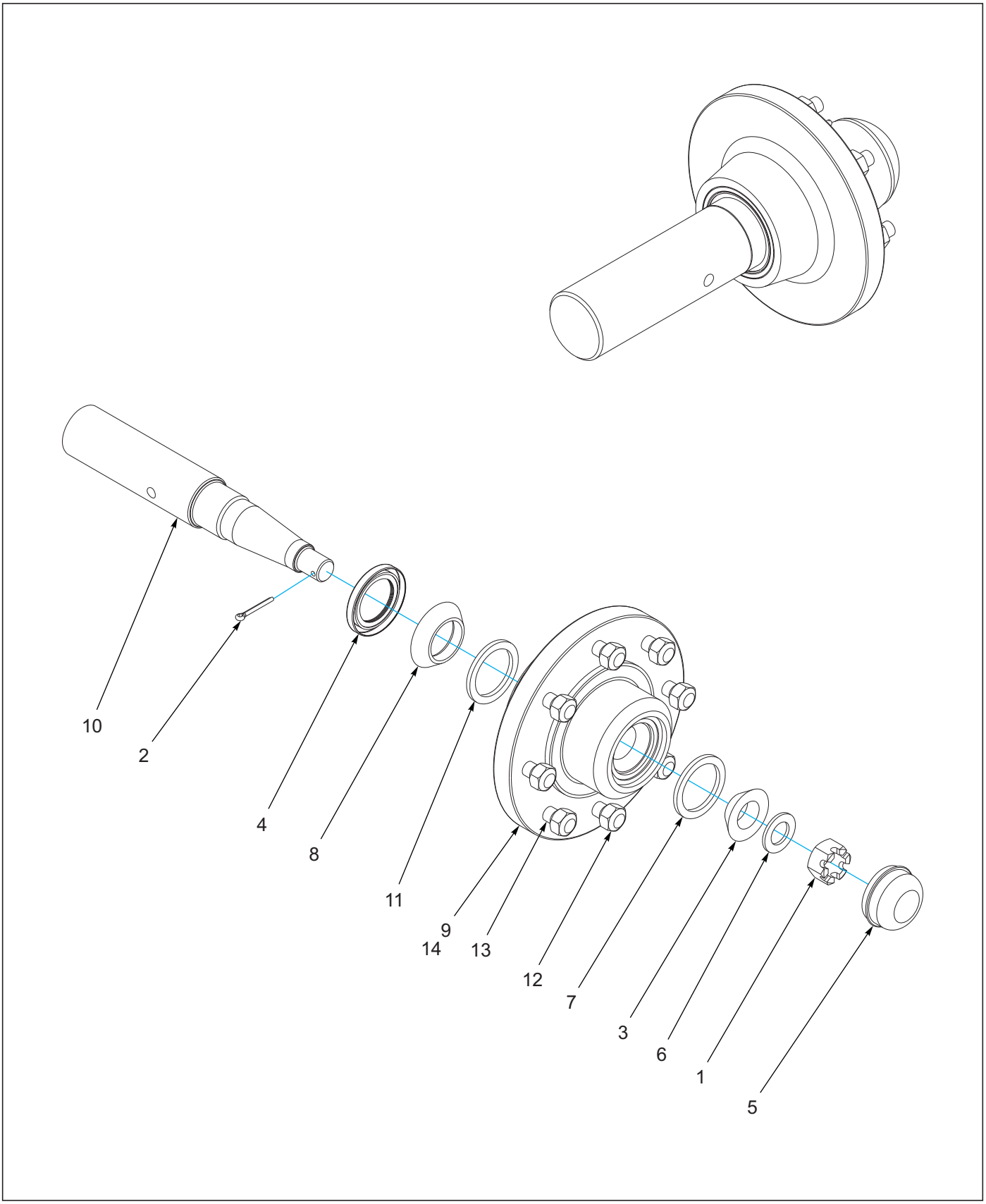



Figure 2-13: Hub and Spindle Assembly - 8 Bolt

# Hub and Spindle Assembly - 8 Bolt

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| - - | 147553 | 8 BOLT HUB ASSY, 2-1/4" SPDL | |
| 1 | 1-516-010001-20 | NUT, HX SLOT 1-14 | 1 |
| 2 | 1-557-010362-51 | PIN, COTTER 3/16X1-1/2 | 1 |
| 3 | 1-076-010007 | CONE INNER | 1 |
| 4 | 140554 | SEAL GREASE | 1 |
| 5 | 141236 | DUST CAP, WHEEL HUB | 1 |
| 6 | 141238 | WASHER, SPINDLE | 1 |
| 7 | 1-076-010010 | CUP INNER | 1 |
| 8 | 140595 | CONE BEARING | 1 |
| 9 | 140646 | HUB W/CUPS, EIGHT BOLT **(INCL ITEMS 7 & 11)** | 1 |
| 10 | 141198 | SPINDLE 2-1/4 IN | 1 |
| 11 | 140594 | CUP BEARING | 1 |
| 12 | 102600 | NUT,WHEEL BOLT, 5/8 **(8 BOLT)** | 8 |
| 13 | 143067 | STUD BOLT 5/8-18 **(8 BOLT)** | 8 |
| 14 | 141867 | HUB ASSY EIGHT BOLT **(INCL. ITEMS 3-5, 8-9)** | |

# Hitch Assemblies

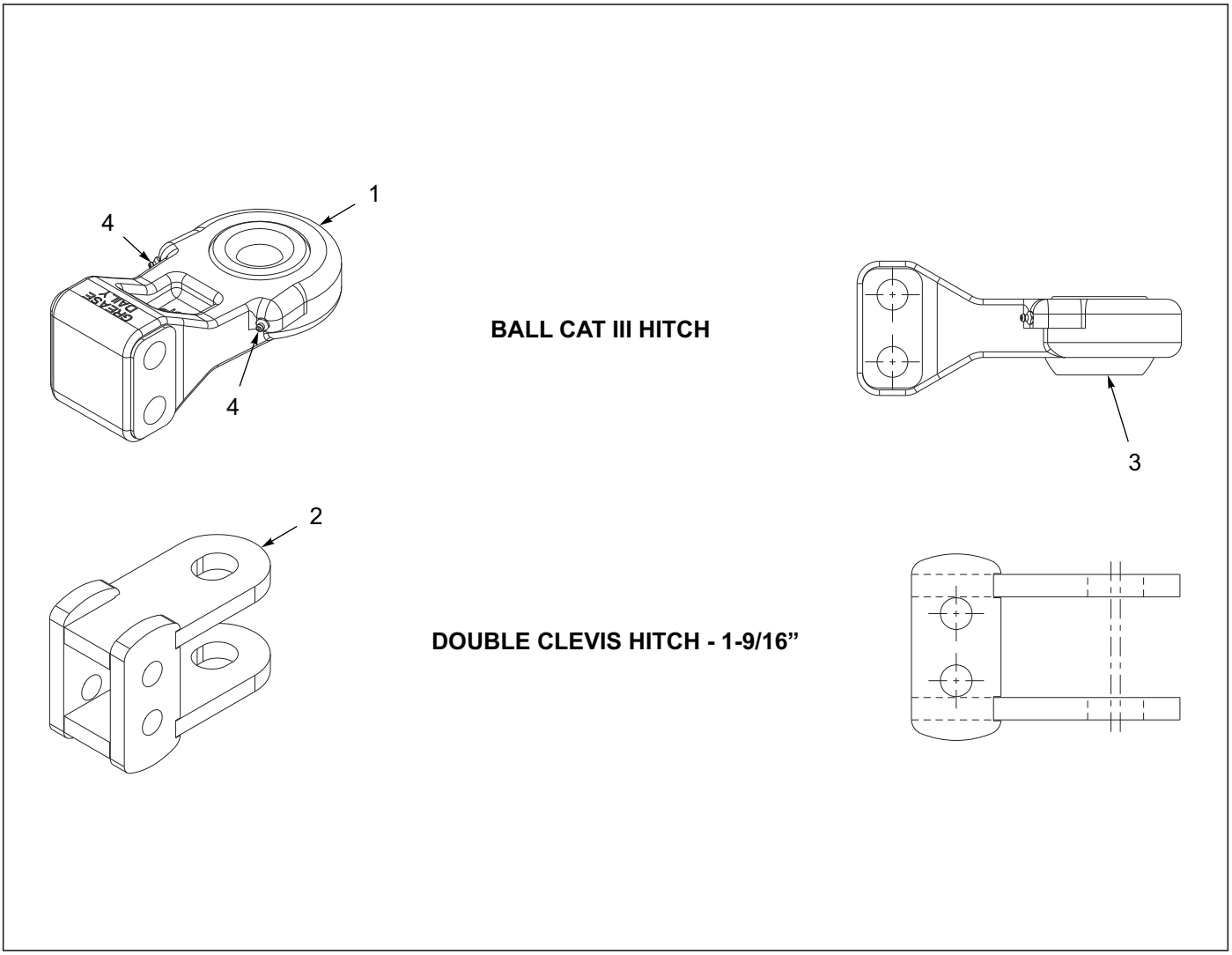



Figure 2-14: Hitch Assemblies

# Hitch Assemblies

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 177030 | HITCH, BALL CAT III | 1 |
| 2 | 161550 | HITCH CLEVIS, DOUBLE 1-9/16” | 1 |
| 3 | 189453 | BUSHING, SPHERICAL, 1-1/2” ID **(Standard)** | 1 |
| 3 | 189454 | BUSHING, SPHERICAL 2 ID | 1 |
| 4 | 1-298-010001-1 | ZERK FITTING 1/4 SAE | 1 |

## Jack Assembly

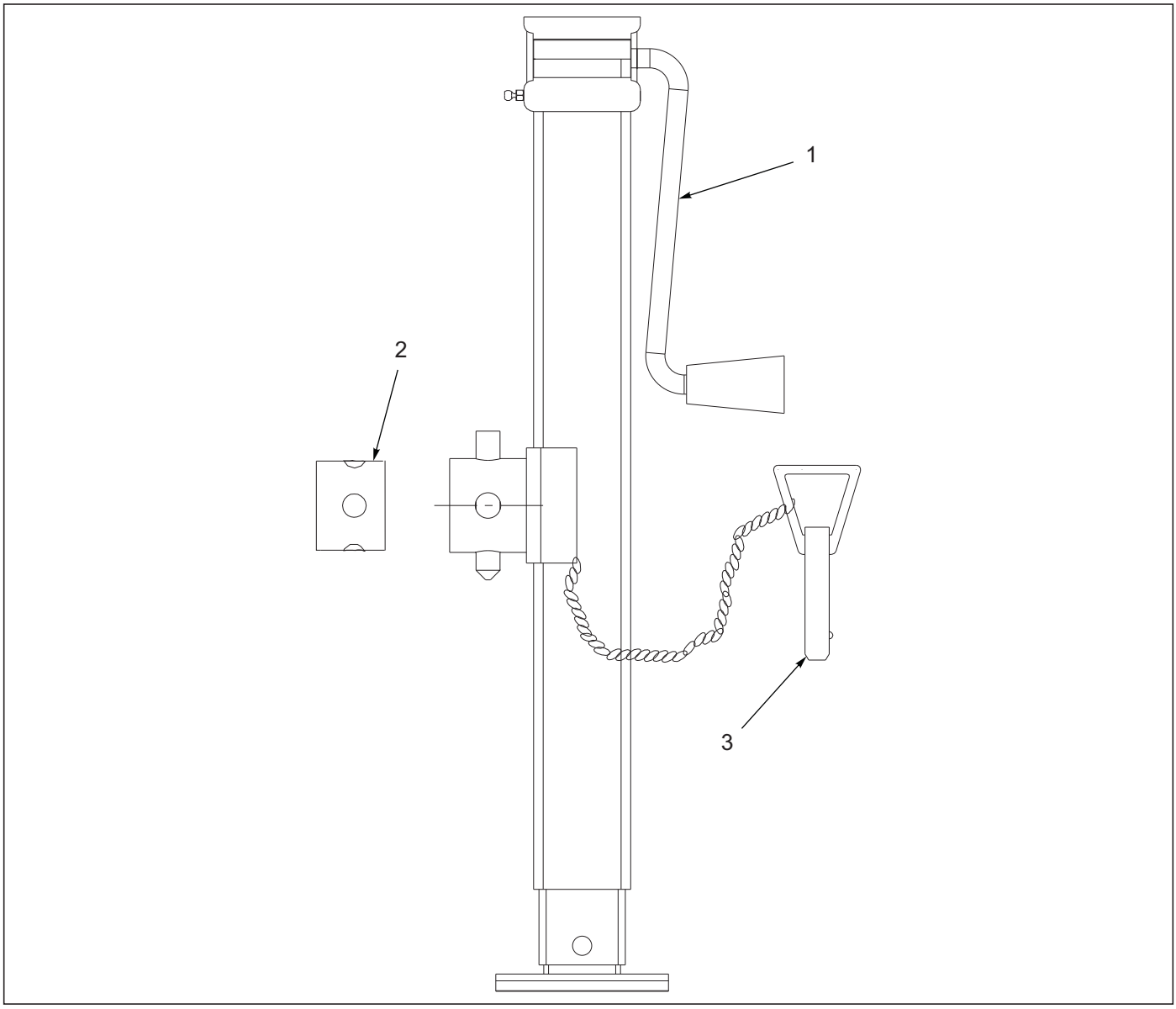



Figure 2-15: 7,000 Lb. Sidewind Jack Assembly

## 7,000 Lb. Sidewind Jack Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 140647 | JACK, SIDE WIND 7000/8000 LB | |
| 1 | 500171 | HANDLE FOR JACK **(BULLDOG/CEQUENT)** | 1 |
| 1 | 142189 | 9" HANDLE KIT **(NORTHFIELD)** | 1 |
| 2 | 141250 | TUBE, RD, JACK MOUNT **(WELD TO IMPLEMENT FRAME)** | 1 |
| 3 | 142194 | 5/8" PIN | 1 |

# 3 Point Hitch Assembly 5211-12-1/2’

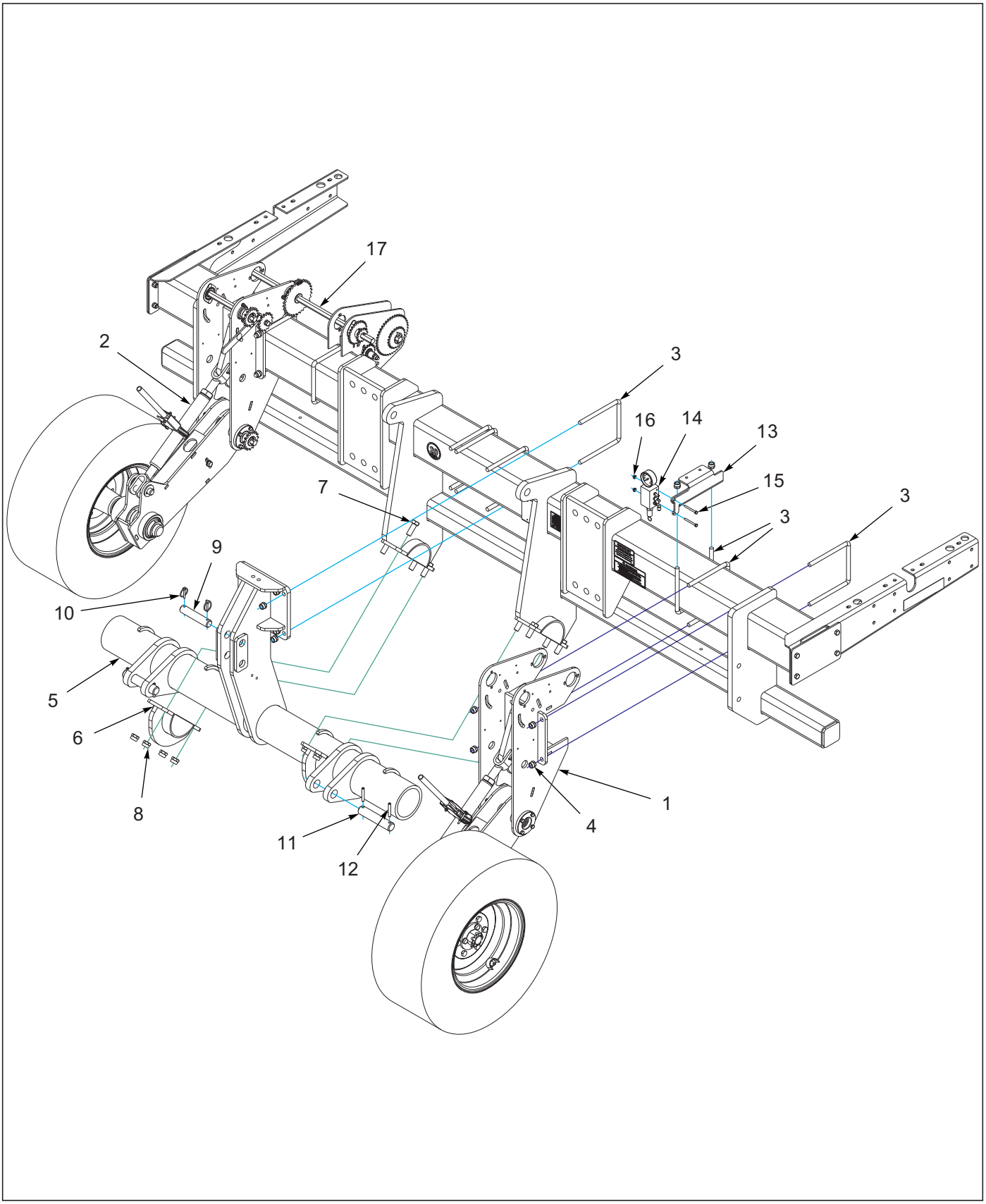



Figure 2-16: 3 Point Hitch Assembly 5211-12-1/2’

# 3 Point Hitch Assembly 5211-12-1/2'

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 176509 | 3PT HITCH ASSY, 5211-12.5 | |
| 1 | 161473 | GAUGE WHEEL ASSY, RIGID **(SEE PAGE 2-45)** | 1 |
| 2 | 161472 | DRIVE WHEEL ASSY, RIGID **(SEE PAGE 2-39)** | 1 |
| 3 | 70593063 | U-BOLT | 9 |
| 4 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 18 |
| 5 | 159990 | HITCH, 3PT | 1 |
| 6 | 155881 | MOUNT, LIFT BEARING WLDMT | 2 |
| 7 | 1-654-010061-05 | SCREW,HHC,3/4-10UNCX2,GR5,ZP | 8 |
| 8 | 1-512-010005-15 | NUT,HEX,SLFLKG GRB 3/4-10 | 8 |
| 9 | 141244 | PIN, FOLD | 1 |
| 10 | 70239854 | PIN QUICK HITCH | 2 |
| 11 | 8-557-010114 | HITCH PIN | 2 |
| 12 | 1-647-010004257 | PIN,SPRING,SLOTTED 3/8X2-1/2 | 4 |
| 13 | 161483 | MOUNT, COMPRESSOR | 1 |
| 14 | 154864 | AIR MANIFOLD ASSY **(SEE PAGE 4-5)** | 1 |
| 15 | 1-654-010047-12 | SCREW,HEX 1/4-20UNCX2-1/2 | 2 |
| 16 | 108417 | NUT SPIRAL 1/4-20HX FG | 2 |
| 17 | 144179 | SHAFT,7/8 HEX, 28 L | 1 |

# 3 Point Hitch Assembly 5211-15’

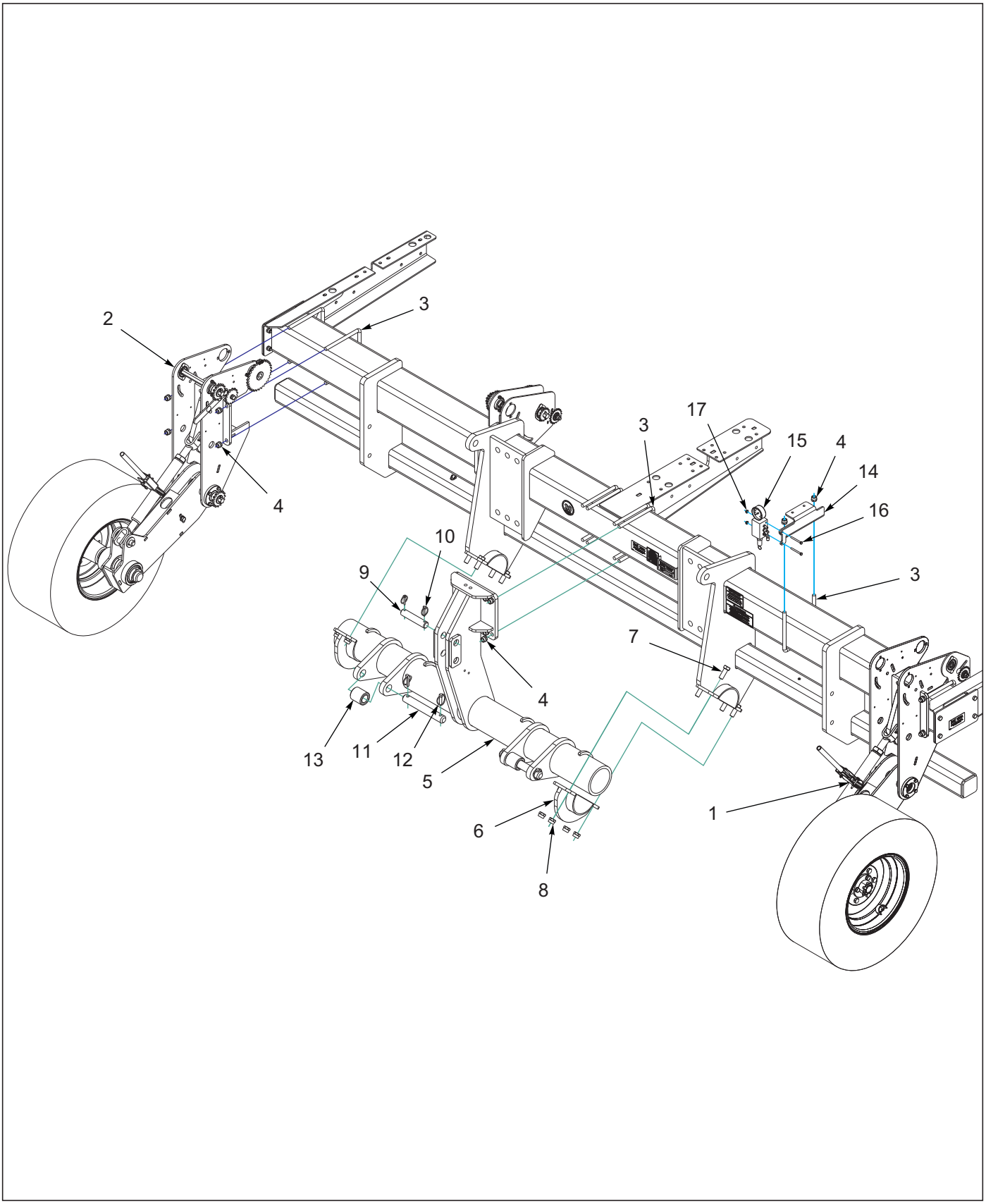



Figure 2-17: 3 Point Hitch Assembly 5211-15’

# 3 Point Hitch Assembly 5211-15’

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 176510 | 3PT HITCH ASSY, 5211-15 | |
| 1 | 161473 | GAUGE WHEEL ASSY, RIGID **(SEE PAGE 2-45)** | 1 |
| 2 | 161472 | DRIVE WHEEL ASSY, RIGID **(SEE PAGE 2-39)** | 1 |
| 3 | 70593063 | U-BOLT | 9 |
| 4 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 18 |
| 5 | 164312 | HITCH 3PT CAT 3 & 3N | 1 |
| 6 | 155881 | MOUNT, LIFT BEARING WLDMT | 2 |
| 7 | 1-654-010061-05 | SCREW,HHC,3/4-10UNCX2,GR5,ZP | 8 |
| 8 | 1-512-010005-15 | NUT,HEX,SLFLKG GRB 3/4-10 | 8 |
| 9 | 141244 | PIN, FOLD | 1 |
| 10 | 70239854 | PIN QUICK HITCH | 2 |
| 11 | 164310 | PIN HITCH LOWER | 2 |
| 12 | 2-557-010417 | PIN, LYNCH CAT III | 4 |
| 13 | 164311 | SPACER HITCH LOWER | 2 |
| 14 | 161483 | MOUNT, COMPRESSOR | 1 |
| 15 | 154864 | AIR MANIFOLD ASSY **(SEE PAGE 4-5)** | 1 |
| 16 | 1-654-010047-12 | SCREW,HEX 1/4-20UNCX2-1/2 | 2 |
| 17 | 108417 | NUT SPIRAL 1/4-20HX FG | 2 |

# 3 Point Hitch Assembly, Single 5211-20’

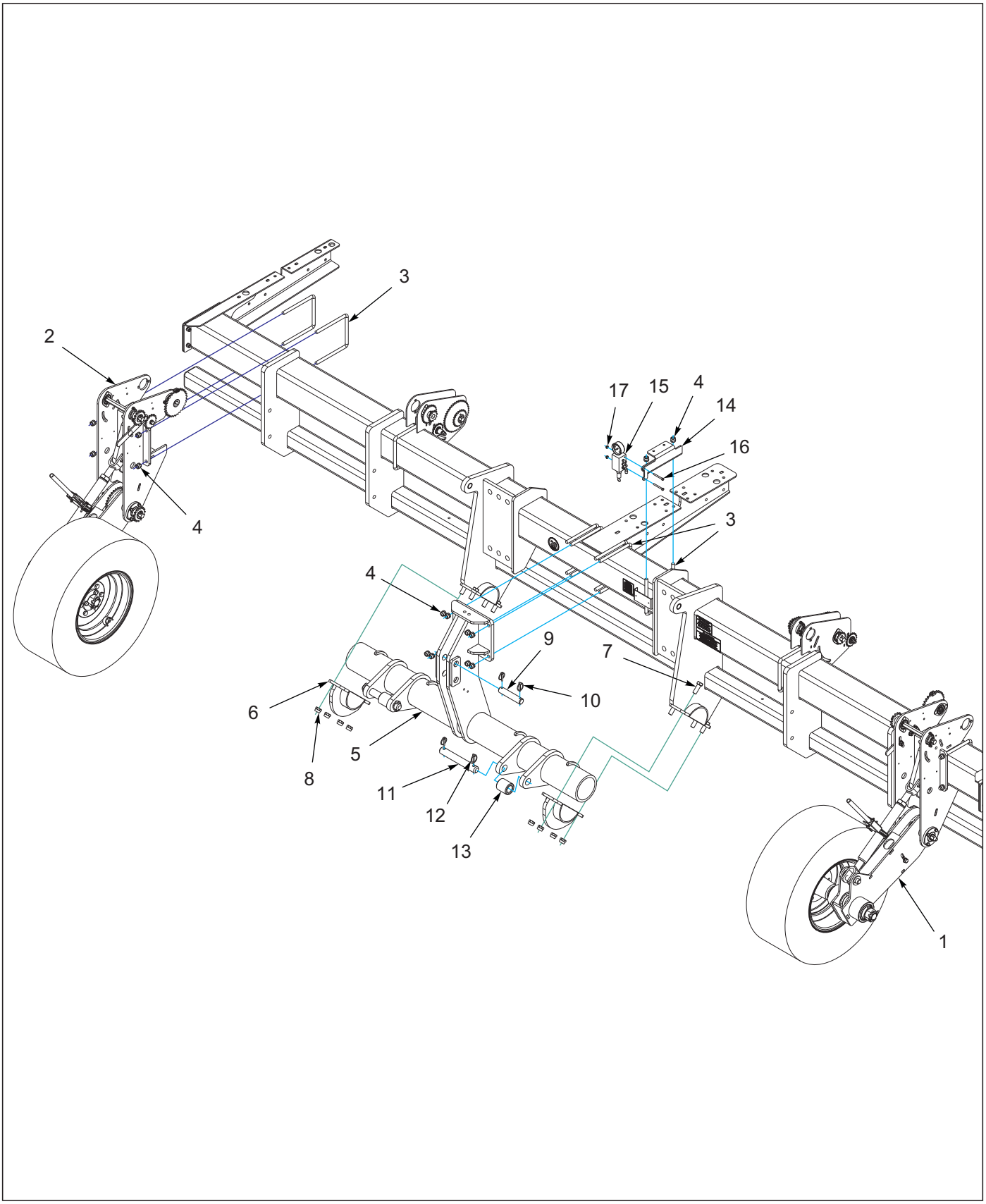



Figure 2-18: 3 Point Hitch Assembly, Single 5211-20’

# 3 Point Hitch Assembly, Single 5211-20’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 176511 | 3PT HITCH ASSY, SINGLE 5211-20 | * | |
| -- | 247236 | 3PT HITCH ASSY, SINGLE SPRG 20 | | * |
| 1 | 159984 | DRIVE WHEEL ASSY, RIGID LEFT **(SEE PAGE 2-39)** | 1 | 1 |
| 2 | 159983 | DRIVE WHEEL ASSY, RIGID RIGHT **(SEE PAGE 2-39)** | 1 | 1 |
| 3 | 70593063 | U-BOLT | 9 | 8 |
| 4 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 18 | 16 |
| 5 | 164312 | HITCH 3PT CAT 3 & 3N | 1 | 1 |
| 6 | 155881 | MOUNT, LIFT BEARING WLDMT | 2 | 2 |
| 7 | 1-654-010061-05 | SCREW,HHC,3/4-10UNCX2,GR5,ZP | 8 | 8 |
| 8 | 1-512-010005-15 | NUT,HEX,SLFLKG GRB 3/4-10 | 8 | 8 |
| 9 | 141244 | PIN, FOLD | 1 | 1 |
| 10 | 70239854 | PIN QUICK HITCH | 2 | 2 |
| 11 | 164310 | PIN HITCH LOWER | 2 | 2 |
| 12 | 2-557-010417 | PIN, LYNCH CAT III | 4 | 4 |
| 13 | 164311 | SPACER HITCH LOWER | 2 | 2 |
| 14 | 161483 | MOUNT, COMPRESSOR | 1 | -- |
| 15 | 154864 | AIR MANIFOLD ASSY **(SEE PAGE 4-5)** | 1 | -- |
| 16 | 1-654-010047-12 | SCREW,HEX 1/4-20UNCX2-1/2 | 2 | -- |
| 17 | 108417 | NUT SPIRAL 1/4-20HX FG | 2 | -- |

# 3 Point Hitch Assembly, Dual 5211-20’

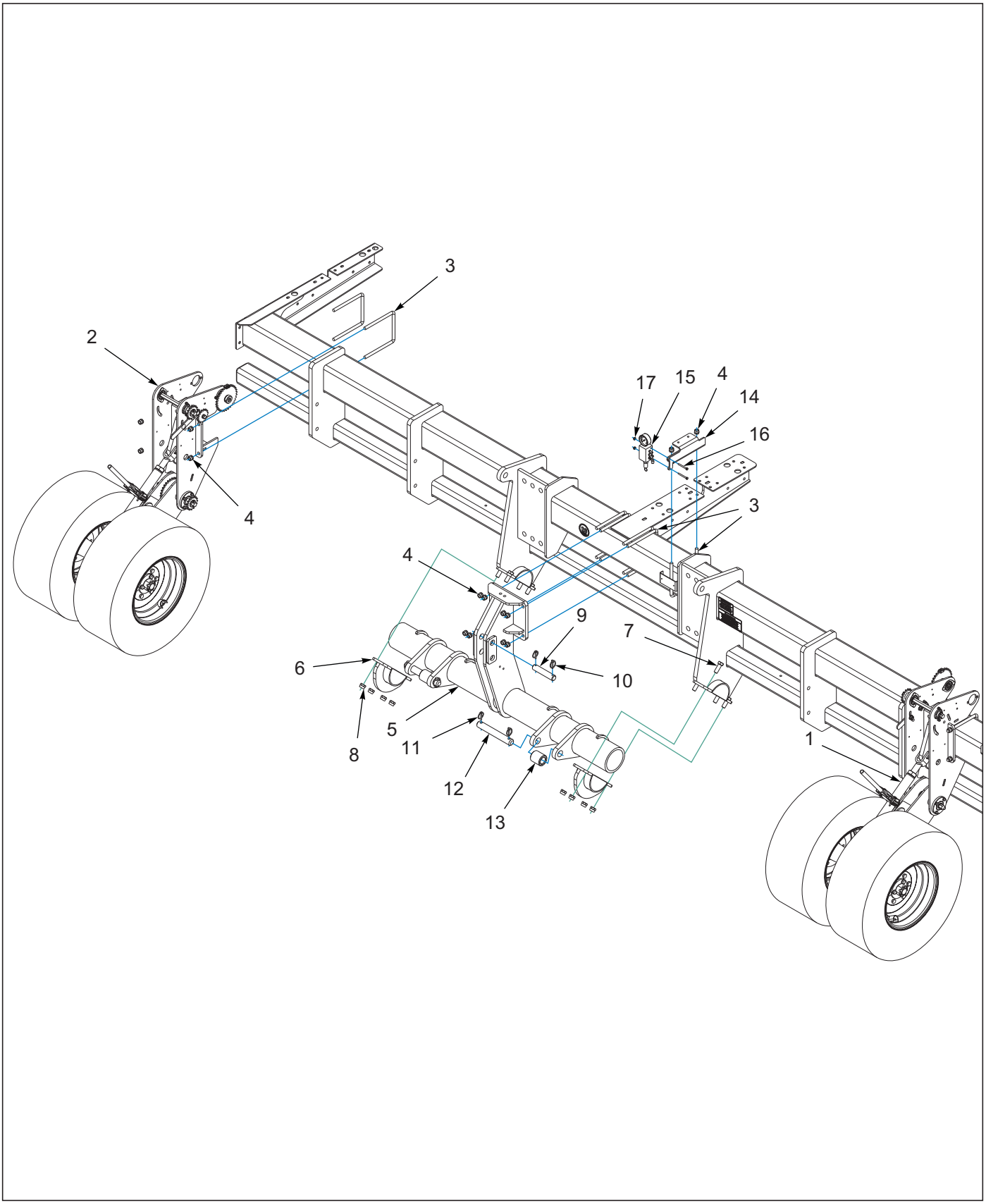



Figure 2-19: 3 Point Hitch Assembly, Dual 5211-20’

# 3 Point Hitch Assembly, Dual 5211-20'

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 232451 | 3PT HITCH ASSY, DUAL 5211-20 | * | |
| -- | 247237 | 3PT HITCH ASSY, DUAL SPRG 20 | | * |
| 1 | 232453 | DRIVE WHEEL ASSY, DUAL LT **(SEE PAGE 2-39)** | 1 | 1 |
| 2 | 232452 | DRIVE WHEEL ASSY, DUAL RT **(SEE PAGE 2-39)** | 1 | 1 |
| 3 | 70593063 | U-BOLT | 9 | 8 |
| 4 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 18 | 16 |
| 5 | 164312 | HITCH 3PT CAT 3 & 3N | 1 | 1 |
| 6 | 155881 | MOUNT, LIFT BEARING WLDMT | 2 | 2 |
| 7 | 1-654-010061-05 | SCREW,HHC,3/4-10UNCX2,GR5,ZP | 8 | 8 |
| 8 | 1-512-010005-15 | NUT,HEX,SLFLKG GRB 3/4-10 | 8 | 8 |
| 9 | 141244 | PIN, FOLD | 1 | 1 |
| 10 | 70239854 | PIN QUICK HITCH | 2 | 2 |
| 11 | 164310 | PIN HITCH LOWER | 2 | 2 |
| 12 | 2-557-010417 | PIN, LYNCH CAT III | 4 | 4 |
| 13 | 164311 | SPACER HITCH LOWER | 2 | 2 |
| 14 | 161483 | MOUNT, COMPRESSOR | 1 | -- |
| 15 | 154864 | AIR MANIFOLD ASSY **(SEE PAGE 4-5)** | 1 | -- |
| 16 | 1-654-010047-12 | SCREW,HEX 1/4-20UNCX2-1/2 | 2 | -- |
| 17 | 108417 | NUT SPIRAL 1/4-20HX FG | 2 | -- |

# Drive Wheel Assembly, Rigid

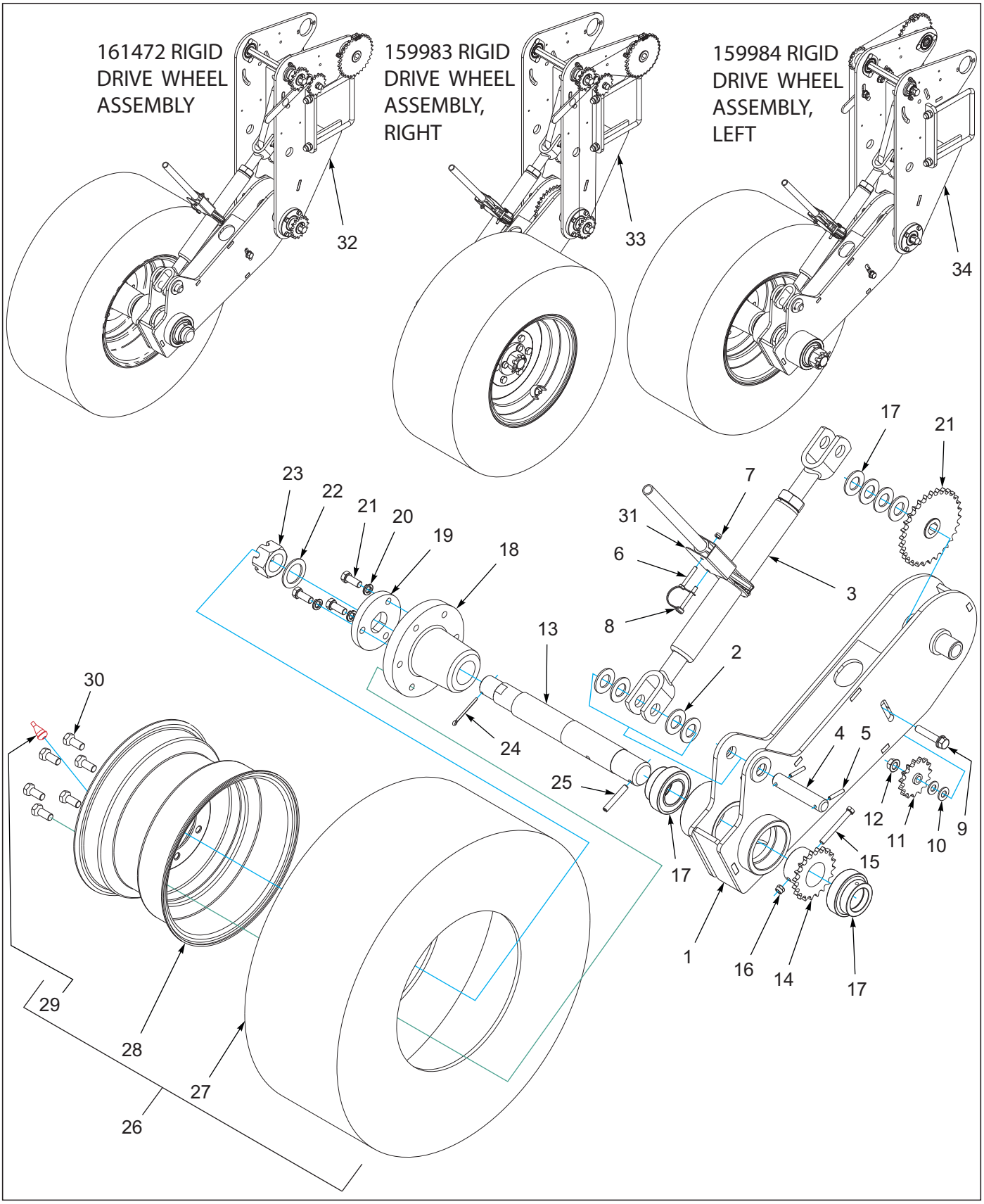



Figure 2-20: Drive Wheel Assembly, Rigid

# Drive Wheel Assembly, Rigid

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | |
|---|---|---|---|---|---|
| -- | 161472 | DRIVE WHEEL ASSY, RIGID **(3 POINT 5211-12-1/2'-15')** | * | | |
| -- | 159983 | DRIVE WHEEL ASSY, RIGID RIGHT **(3 POINT 5211-20')** | | * | |
| -- | 159984 | DRIVE WHEEL ASSY, RIGID LEFT **(3 POINT 5211-20')** | | | * |
| 1 | 164195 | AXLE, DRIVE WHEEL RIGHT WLDMT | 1 | -- | -- |
| 1 | 158154 | AXLE, DRIVE WHEEL WLDMT | -- | 1 | 1 |
| 2 | 1-861-010032-24 | WASHER FL 1IN NARROW ZP | 4 | 4 | 4 |
| 3 | 2-423-010040 | JACK,RATCHET 8IN STROKE | 1 | 1 | 1 |
| 4 | 6-557-010163 | PIN HITCH LEVELING LINK | 1 | 1 | 1 |
| 5 | 1-647-010004217 | SPRING PIN, SLOTTED 1/4X1-1/2 | 2 | 2 | 2 |
| 6 | 1-654-010047-09 | SCREW,HX CP,1/4-20UNCX1-3/4G5 | 1 | 1 | 1 |
| 7 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 1 | 1 | 1 |
| 8 | 70592442 | PIN,SNAPPER | 1 | 1 | 1 |
| 9 | 158278 | SCREW,FLG HD SER 1/2-13X2-1/2 | 1 | 1 | 1 |
| 10 | 1-861-010032-14 | WASHER, FLAT 1/2" N ZP/CD | 2 | 2 | 2 |
| 11 | 125796 | SPROCKET W/BEARING 15 TEETH | 1 | 1 | 1 |
| 12 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 1 | 1 | 1 |
| 13 | 164194 | SPINDLE, DRIVE WHEEL | 1 | -- | -- |
| 13 | 158153 | SPINDLE, DRIVE WHEEL | -- | 1 | 1 |
| 14 | 153817 | SPROCKET, #50X20 2 BORE | 1 | 1 | 1 |
| 15 | 1-654-010051-14 | SCREW HX CP 3/8-16UNCX3-1/4G5 | 1 | 1 | 1 |
| 16 | 1-512-010005-05 | NUT, HEX, SLFLKG GRB 3/8-16 | 1 | 1 | 1 |
| 17 | 144252 | BALL BEARING,1.937ID W/COLLAR | 2 | 2 | 2 |
| 18 | 168841 | HUB, 6 BOLT | 1 | 1 | 1 |
| 19 | 144251 | PLATE, HUB LOCK | 1 | 1 | 1 |
| 20 | 1-861-010034-13 | WASHER, LKG HLCL SPR, 1/2 | 3 | 3 | 3 |
| 21 | 1-654-010055-02 | SCREW 1/2-13UNCX1-1/4 CP GR5 | 3 | 3 | 3 |
| 22 | 8-861-010021 | FW 2-3/8ODX1-5/8IDX1/8 ZP | 1 | 1 | 1 |
| 23 | 119118 | NUT 1-1/2-12UNF HEX SLOTTEDZP | 1 | 1 | 1 |
| 24 | 1-557-010362-54 | PIN, COTTER 3/16X2-1/4 | 1 | 1 | 1 |
| 25 | 1-647-010004257 | PIN,SPRING,SLOTTED 3/8X2-1/2 | 1 | 1 | 1 |
| 26 | 142650 | TIRE/WHEEL ASSY 280/70R15 **(INCLUDES ITEMS 26-28)** | 1 | 1 | 1 |
| 27 | 160813 | TIRE 11LX15 12 PLY **(PRIOR 1-1-2017)** | 1 | 1 | 1 |
| 27 | 204384 | FIRESTONE RADIAL 280/70R15 **(AFTER 1-1-2017)** | 1 | 1 | 1 |
| 28 | 140547 | WHEEL, 15 X 10 LB 6 BOLT | 1 | 1 | 1 |
| 29 | 415 | VALVE STEM | 1 | 1 | 1 |
| 30 | 1-104-010001 | WHEEL BOLT | 6 | 6 | 6 |
| 31 | 231494 | BRACKET, RATCHET JACK LOCK | 1 | 1 | 1 |
| 32 | ----- | RIGID DRIVE WHEEL MOUNT ASSEMBLY, LT **(SEE PAGE 2-43)** | 1 | -- | -- |
| 33 | ----- | RIGID DRIVE WHEEL MOUNT ASSEMBLY, RT **(SEE PAGE 2-41)** | -- | 1 | -- |
| 34 | ----- | RIGID DRIVE WHEEL MOUNT ASSEMBLY, RT **(SEE PAGE 2-43)** | -- | -- | 1 |

# Gauge Wheel Assembly, Dual

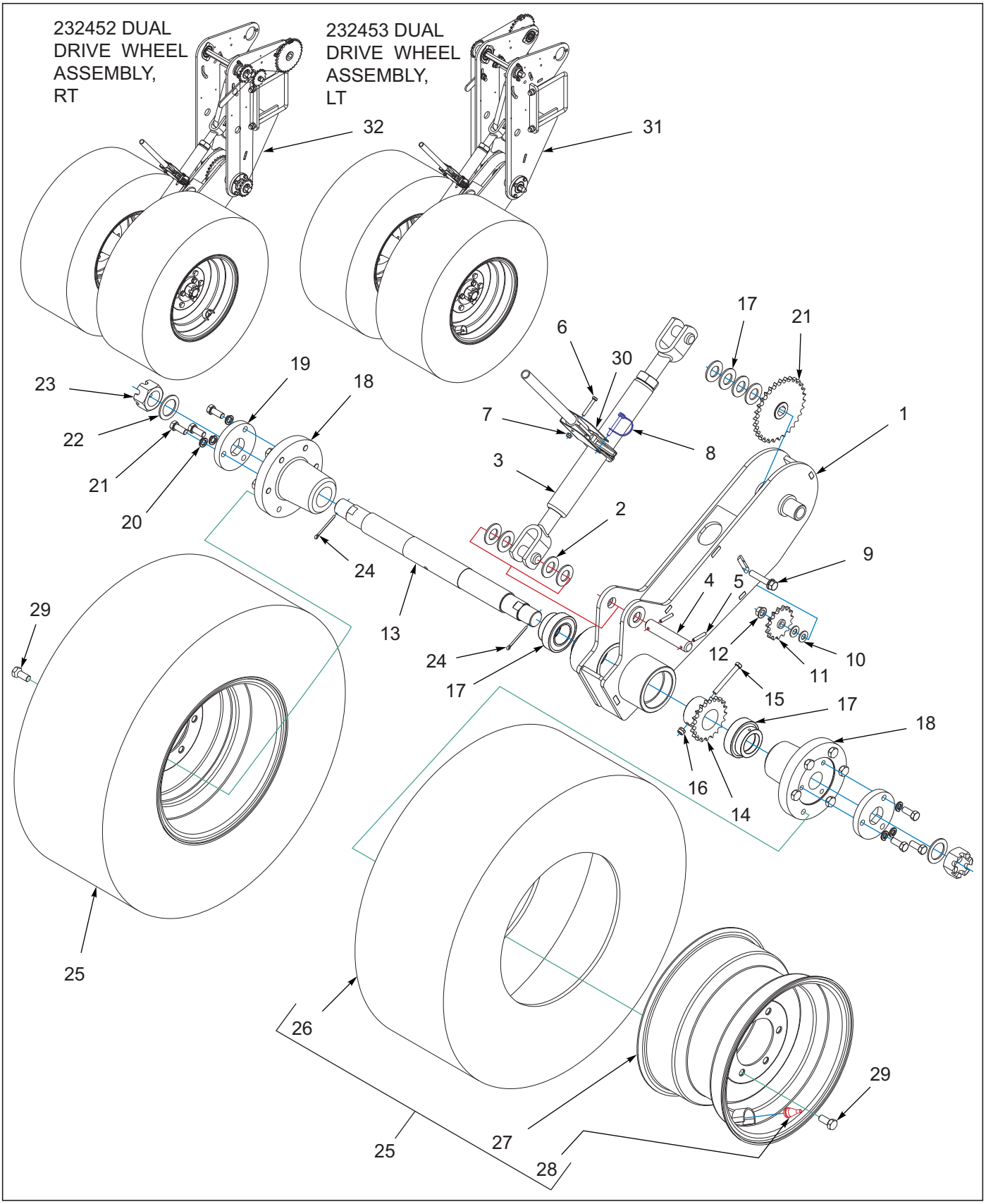



Figure 2-21: Gauge Wheel Assembly, Rigid

# Drive Wheel Assembly, Dual

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 232453 | DRIVE WHEEL ASSY, DUAL LT | |
| -- | 232452 | DRIVE WHEEL ASSY, DUAL RT | |
| 1 | 158154 | AXLE, DRIVE WHEEL WLDMT | 1 |
| 2 | 1-861-010032-24 | WASHER FL 1IN NARROW ZP | 4 |
| 3 | 2-423-010040 | JACK,RATCHET 8IN STROKE | 1 |
| 4 | 6-557-010163 | PIN HITCH LEVELING LINK | 1 |
| 5 | 1-647-010004217 | SPRING PIN, SLOTTED 1/4X1-1/2 | 2 |
| 6 | 1-654-010047-09 | SCREW,HX CP,1/4-20UNCX1-3/4G5 | 1 |
| 7 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 1 |
| 8 | 70592442 | PIN,SNAPPER | 1 |
| 9 | 158278 | SCREW,FLG HD SER 1/2-13X2-1/2 | 1 |
| 10 | 1-861-010032-14 | WASHER, FLAT 1/2" N ZP/CD | 2 |
| 11 | 125796 | SPROCKET W/BEARING 15 TEETH | 1 |
| 12 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 1 |
| 13 | 174449 | SPINDLE, DRIVE WHEEL-DUAL | 1 |
| 14 | 153817 | SPROCKET, #50X20 2 BORE | 1 |
| 15 | 1-654-010051-14 | SCREW HX CP 3/8-16UNCX3-1/4G5 | 1 |
| 16 | 1-512-010005-05 | NUT, HEX, SLFLKG GRB 3/8-16 | 1 |
| 17 | 144252 | BALL BEARING,1.937ID W/COLLAR | 2 |
| 18 | 168841 | HUB, 6 BOLT | 2 |
| 19 | 144251 | PLATE, HUB LOCK | 2 |
| 20 | 1-861-010034-13 | WASHER, LKG HLCL SPR, 1/2 | 6 |
| 21 | 1-654-010055-02 | SCREW 1/2-13UNCX1-1/4 CP GR5 | 6 |
| 22 | 8-861-010021 | FW 2-3/8ODX1-5/8IDX1/8 ZP | 2 |
| 23 | 119118 | NUT 1-1/2-12UNF HEX SLOTTEDZP | 2 |
| 24 | 1-557-010362-54 | PIN, COTTER 3/16X2-1/4 | 2 |
| 25 | 142650 | TIRE/WHEEL ASSY 280/70R15 **(INCLUDES ITEMS 26-28)** | 2 |
| 26 | 204384 | FIRESTONE RADIAL 280/70R15 | 2 |
| 27 | 140547 | WHEEL, 15 X 10 LB 6 BOLT | 2 |
| 28 | 415 | VALVE STEM | 2 |
| 29 | 1-104-010001 | WHEEL BOLT | 12 |
| 30 | 231494 | BRACKET, RATCHET JACK LOCK | 1 |
| 31 | ----- | DRIVE WHEEL MOUNT ASSEMBLY, LT **(SEE PAGE 2-43)** **(USED WITH 232453)** | 1 |
| 32 | ----- | DRIVE WHEEL MOUNT ASSEMBLY, RT **(SEE PAGE 2-43)** **(USED WITH 232452)** | 1 |

# Drive Wheel Assembly, Upper

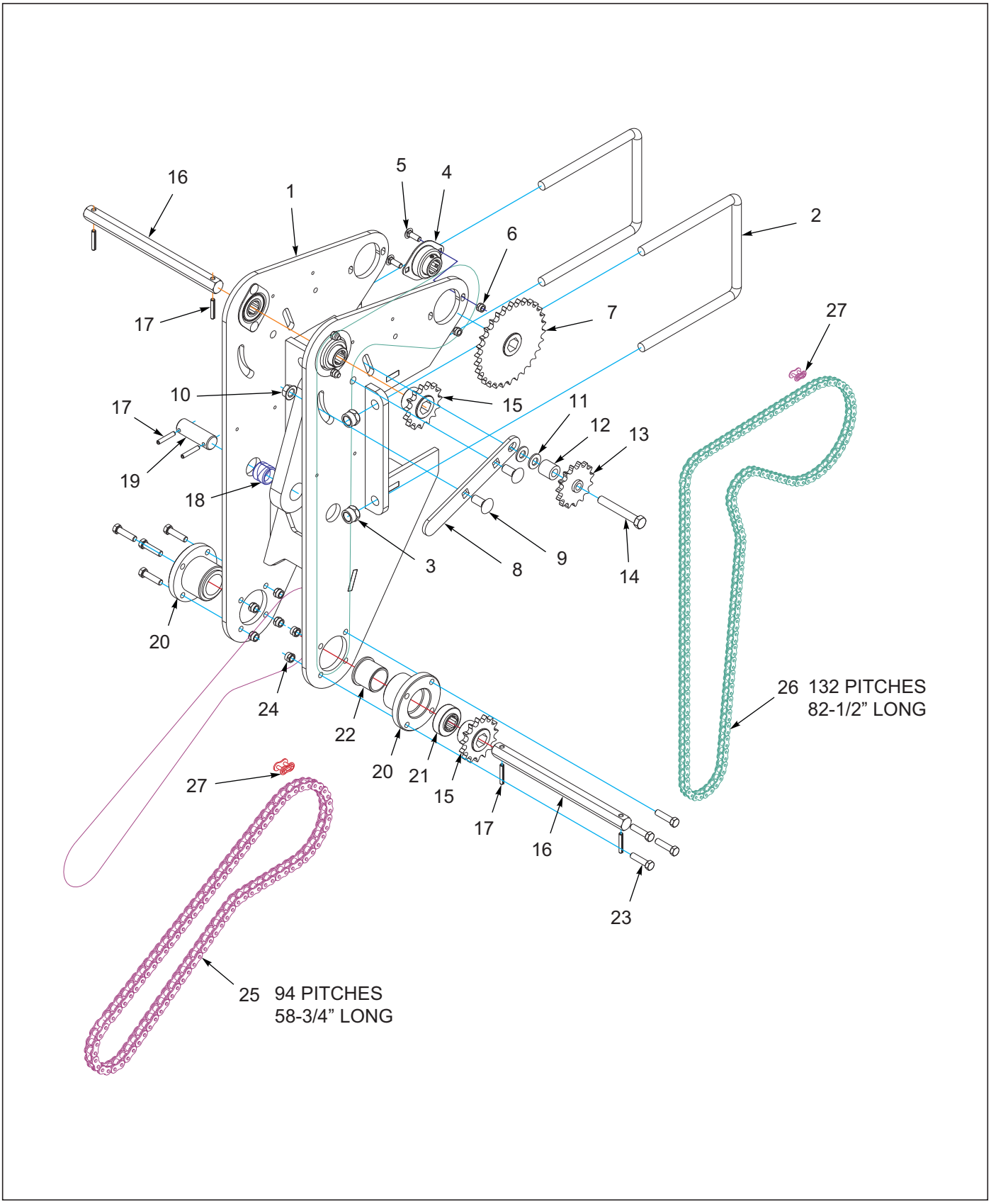



Figure 2-22: Drive Wheel Assembly, Upper

# Drive Wheel Assembly, Upper

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 158162 | MOUNT, DRIVE WHEEL WLDMT | 1 |
| 2 | 70593063 | U-BOLT | 2 |
| 3 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 4 |
| 4 | 144060 | BEARING .875 HEX BORE, 2-BOLT | 3 |
| 5 | 104031 | SCREW,RDHD,SQNK 5/16-18X1 GR5 | 6 |
| 6 | 1-512-010005-03 | NUT HEX SLFLKG GRB 5/16-18 | 6 |
| 7 | 125720 | SPROCKET,TRANS MONOS, 30TEETH | 1 |
| 8 | 158169 | HANDLE, IDLER ADJUSTMENT | 1 |
| 9 | 1-654-010070-02 | SCREW 1/2-13X1-1/4 RD HD SQNK | 2 |
| 10 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 2 |
| 11 | 1-861-010032-14 | WASHER, FLAT 1/2" N ZP/CD | 2 |
| 12 | 144183 | SPACER 1X9/16X1 | 1 |
| 13 | 125796 | SPROCKET W/BEARING 15 TEETH | 1 |
| 14 | 1-654-010055-11 | SCREW,HX CP 1/2-13UNCX3-1/2 | 1 |
| 15 | 125784 | SPROCKET,TRANS MONOS,15 TEETH | 2 |
| 16 | 158168 | SHAFT, 7/8 HEX X 12 | 2 |
| 17 | 1-647-010004217 | SPRING PIN, SLOTTED 1/4X1-1/2 | 6 |
| 18 | 2-150-010008 | BUSHING 1-1/4ODX1IDX1 STEEL | 1 |
| 19 | 2-557-010125 | PIN RADIUS ROD | 1 |
| 20 | 158152 | HUB, BEARING | 2 |
| 21 | 158151 | BEARING, 2.047 X 7/8 HX BORE | 2 |
| 22 | 140599 | BEARING, FLANGE 1-1/2" | 2 |
| 23 | 1-654-010051-07 | SCREW,HEX CAP,3/8-16UNCX1-1/2 | 8 |
| 24 | 1-512-010005-05 | NUT, HEX, SLFLKG GRB 3/8-16 | 8 |
| 25 | 172652 | ROLLER CHAIN, #50X94P 58-3/4L | 1 |
| 26 | 172653 | ROLLER CHAIN, #50X132P 82-1/2L | 1 |
| 27 | 129683 | LINK, CLIP CONN #50 CHAIN | 2 |

# Gauge Wheel Assembly, Rigid

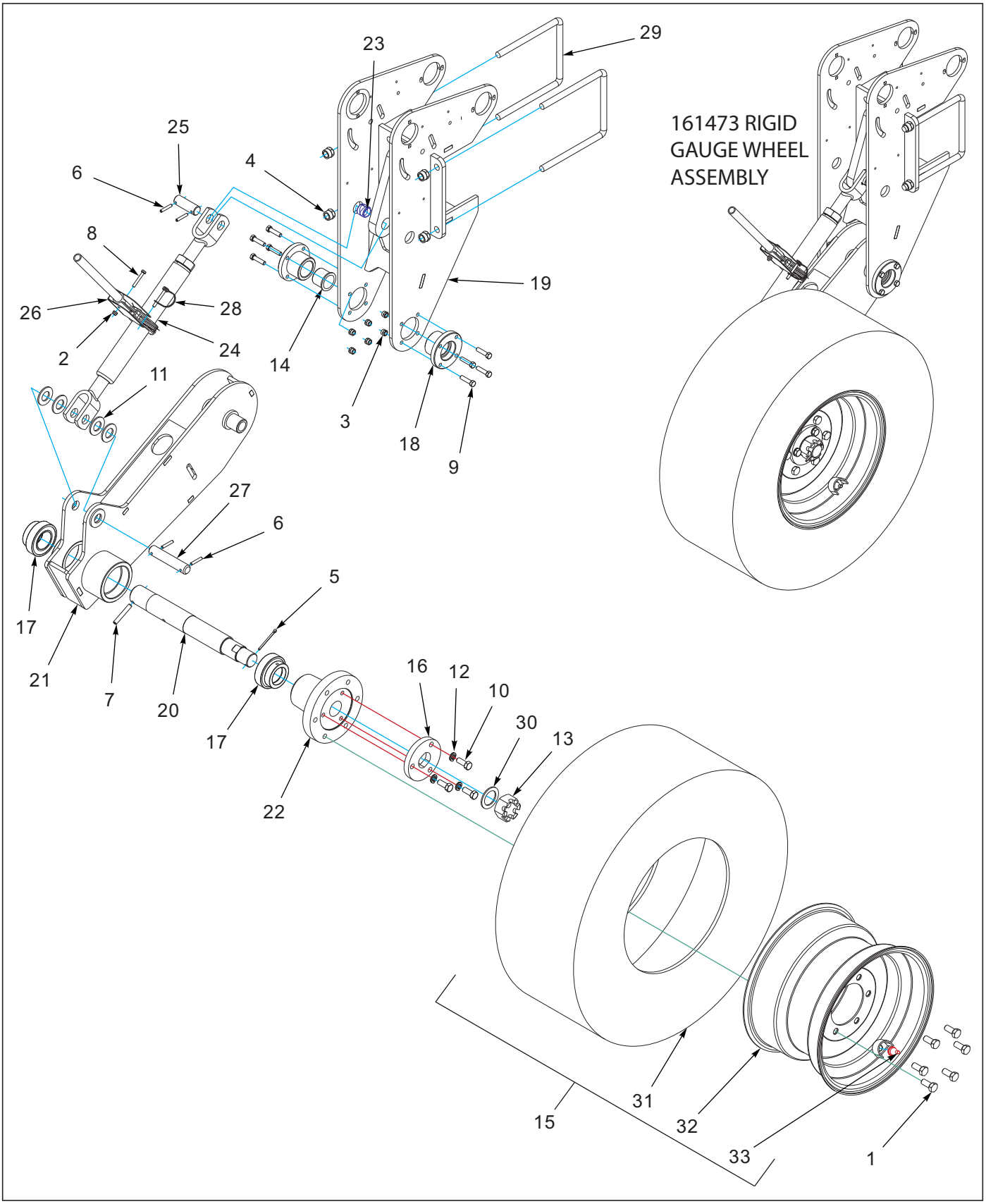



Figure 2-23: Gauge Wheel Assembly, Rigid

# Gauge Wheel Assembly, Rigid

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 161473 | GAUGE WHEEL ASSY, RIGID **(3 POINT 5211-12-1/2'-15')** | |
| 1 | 1-104-010001 | WHEEL BOLT | 6 |
| 2 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 1 |
| 3 | 1-512-010005-05 | NUT, HEX, SLFLKG GRB 3/8-16 | 8 |
| 4 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 4 |
| 5 | 1-557-010362-54 | PIN, COTTER 3/16X2-1/4 | 1 |
| 6 | 1-647-010004217 | SPRING PIN, SLOTTED 1/4X1-1/2 | 4 |
| 7 | 1-647-010004257 | PIN,SPRING,SLOTTED 3/8X2-1/2 | 1 |
| 8 | 1-654-010047-09 | SCREW,HX CP,1/4-20UNCX1-3/4G5 | 1 |
| 9 | 1-654-010051-07 | SCREW,HEX CAP,3/8-16UNCX1-1/2 | 8 |
| 10 | 1-654-010055-02 | SCREW 1/2-13UNCX1-1/4 CP GR5 | 3 |
| 11 | 1-861-010032-24 | WASHER FL 1IN NARROW ZP | 4 |
| 12 | 1-861-010034-13 | WASHER, LKG HLCL SPR, 1/2 | 3 |
| 13 | 119118 | NUT 1-1/2-12UNF HEX SLOTTEDZP | 1 |
| 14 | 140599 | BEARING, FLANGE 1-1/2" | 2 |
| 15 | 142650 | TIRE/WHEEL ASSY 280/70R15 **(INCL ITEMS 31, 32, 33)** | 1 |
| 16 | 144251 | PLATE, HUB LOCK | 1 |
| 17 | 144252 | BALL BEARING,1.937ID W/COLLAR | 2 |
| 18 | 158152 | HUB, BEARING | 2 |
| 19 | 158162 | MOUNT, DRIVE WHEEL WLDMT | 1 |
| 20 | 164194 | SPINDLE, DRIVE WHEEL | 1 |
| 21 | 164196 | AXLE, DRIVE WHEEL LEFT WLDMT | 1 |
| 22 | 168841 | HUB, 6 BOLT | 1 |
| 23 | 2-150-010008 | BUSHING 1-1/4ODX1IDX1 STEEL | 1 |
| 24 | 2-423-010040 | JACK,RATCHET 8IN STROKE | 1 |
| 25 | 2-557-010125 | PIN RADIUS ROD | 1 |
| 26 | 231494 | BRACKET, RATCHET JACK LOCK | 1 |
| 27 | 6-557-010163 | PIN HITCH LEVELING LINK | 1 |
| 28 | 70592442 | PIN,SNAPPER | 1 |
| 29 | 70593063 | U-BOLT | 2 |
| 30 | 8-861-010021 | FW 2-3/8ODX1-5/8IDX1/8 ZP | 1 |
| 31 | 160813 | TIRE 11LX15 12 PLY **(PRIOR 1-1-2017)** | 1 |
| 31 | 204384 | FIRESTONE RADIAL 280/70R15 **(AFTER 1-1-2017)** | 1 |
| 32 | 140547 | WHEEL, 15 X 10 LB 6 BOLT | 1 |
| 33 | 415 | VALVE STEM | 1 |

# 4 x 10” Hydraulic Cylinder

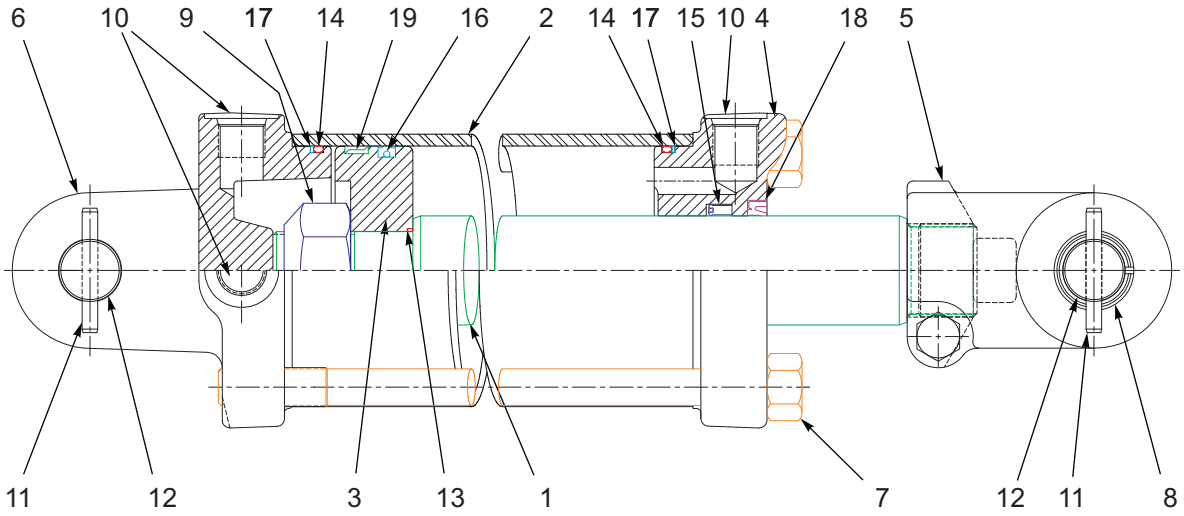



Figure 2-24: 4 x 10” Hydraulic Cylinder

# 4 x 10” Hydraulic Cylinder

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 144321 | CYLINDER 4 X 10 | |
| 1 | ----- | PISTON ROD | 1 |
| 2 | ----- | TUBE | 1 |
| 3 | ----- | PISTON | 1 |
| 4 | 147376 | GLAND | 1 |
| 5 | 154102 | CLEVIS ASSY | 1 |
| 6 | 147375 | BUTT | 2 |
| 7 | ----- | TIEROD ASSY | 4 |
| 8 | 113805 | BUSHING | 2 |
| 9 | ----- | LOCKNUT | 1 |
| 10 | ----- | SHIPPING PLUG | 3 |
| 11 | 111789 | ROLL PIN | 4 |
| 12 | 143994 | CLEVIS PIN | 2 |
| 13 | ---- | O-RING | 1 |
| 14 | ---- | O-RING | 2 |
| 15 | ---- | U-CUP | 1 |
| 16 | ---- | CROWN | 1 |
| 17 | ---- | BU-WASHER | 2 |
| 18 | ---- | WIPER | 1 |
| 19 | ---- | BEARING RING | 1 |
| 20 | 154104 | PACKING KIT **(NOT SHOWN) (INCL ITEMS 13 - 19)** | |

Table provided for general use.

| NOTES: |
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# Box Assemblies

## Seed Box Assembly, W/O Fertilizer 5211-10’

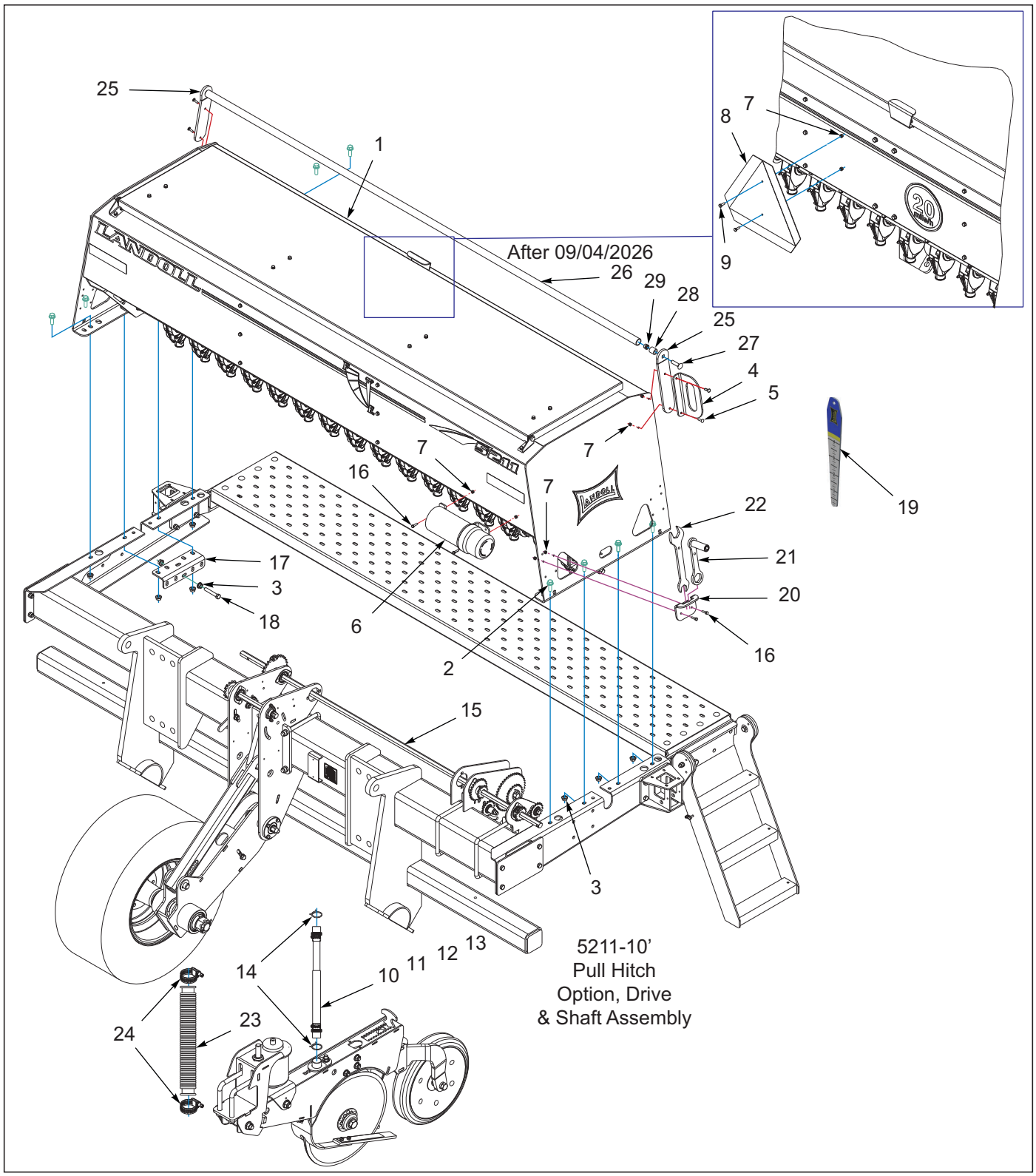



Figure 3-1: Seed Box Assembly, W/O Fertilizer 5211-10’

# Seed Box Assembly, W/O Fertilizer 5211-10’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | |
|---|---|---|---|---|---|
| -- | 176532 | BOX ASSY 10' X 7.5" GRAIN | * | | |
| -- | 176535 | BOX ASSY 10' X 10" GRAIN | | * | |
| -- | 232402 | BOX ASSY 10'X6" GRAIN | | | * |
| 1 | 172737 | BOX ASSY 10' X 7.5" LEFT **(SEE PAGE 3-3)** | 1 | -- | -- |
| 1 | 174362 | BOX ASSY 10' X 10" LEFT **(SEE PAGE 3-3)** | -- | 1 | -- |
| 1 | 215948 | BOX ASSY, 10'X6" LEFT **(SEE PAGE 3-3)** | -- | -- | 1 |
| 2 | 1-655-010001-3 | SCREW, FLG HD 1/2-13X1-1/2 | 8 | 8 | 8 |
| 3 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 10 | 10 | 10 |
| 4 | 151540 | HANDLE, SEED BOX | 2 | 2 | 2 |
| 5 | 1-654-010158-02 | SCREW,RHD,SQ NCK 1/4-20UNCX1 | 4 | 4 | 4 |
| 6 | 150076 | MANUAL TUBE (4-1/4"ID) | 1 | 1 | 1 |
| 7 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 6 | 6 | 6 |
| 8 | 70260977 | SMV EMBLEM | 1 | 1 | 1 |
| 9 | 1-654-010047-04 | SCREW,HEX CAP,1/4-20X3/4 GR5 | 2 | 2 | 2 |
| 10 | 183921 | SEED TUBE ASSY, 10" 5211 **(USED ON AIR OPENER) (BEFORE 01/16/24) (SEE PAGE 3-55)** | 8 | 6 | -- |
| 11 | 199340 | SEED TUBE ASSY, 11" 5211 **(USED ON AIR OPENER) (LONGEST GOES TO OUTER ENDS OF BOX) (BEFORE 01/16/24) (SEE PAGE 3-55)** | 8 | 6 | -- |
| 12 | 216429 | SEED TUBE ASSY, 9" SPRING **(USED ON SPRING OPENER) (SEE PAGE 3-56)** | 8 | 6 | 12 |
| 13 | 216430 | SEED TUBE ASSY, 10" SPRING **(USED ON SPRING OPENER) (SEE PAGE 3-55) (LONGEST GOES TO OUTER ENDS OF BOX)** | 8 | 6 | 8 |
| 14 | 144129 | CLAMP, HOSE #24 | 32 | 24 | 40 |
| 15 | 144181 | SHAFT, 7/8 HEX, 72-1/4 L | 1 | 1 | 1 |
| 16 | 1-654-010047-06 | SCREW,HX CP 1/4-20UNCX1 GR5 | 4 | 4 | 4 |
| 17 | 176676 | BRACKET, STOP | 1 | 1 | 1 |
| 18 | 8-105-010006 | CAPSCREW 1/2X13X3 F THD GR5 | 1 | 1 | 1 |
| 19 | 213932 | SEED DEPTH TOOL INDICATOR | 1 | 1 | 1 |
| 20 | 250427 | MOUNT, WRENCH HOLDER | 1 | 1 | 1 |
| 21 | 243780 | WRENCH, SEED RATE ADJUSTMENT | 1 | 1 | 1 |
| 22 | 243777 | WRENCH,  ADJUSTMENT | 1 | 1 | 1 |
| 23 | 252875 | HOSE, SEED TUBE **(USED ON AIR OPENER) (AFTER 01/16/24)** | 16 | 12 | -- |
| 24 | 42H20 | CLAMP, HOSE  1-1/4 IN | 32 | 24 | -- |
| 25 | 252824 | BRACKET, HAND RAIL **(AFTER 09/04/2026)** | 2 | 2 | 2 |
| 26 | 252823 | RAIL, HAND 104-5/16 L **(AFTER 09/04/2026)** | 1 | 1 | 1 |
| 27 | 1-654-010070-05 | SCREW,RDHD SQNCK 1/2-13X2 GR5 **(AFTER 09/04/2026)** | 2 | 2 | 2 |
| 28 | 144183 | SPACER 1X9/16X1 **(AFTER 09/04/2026)** | 2 | 2 | 2 |
| 29 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB **(AFTER 09/04/2026)** | 2 | 2 | 2 |

# Box Assembly W/O Fertilizer 5211-10’

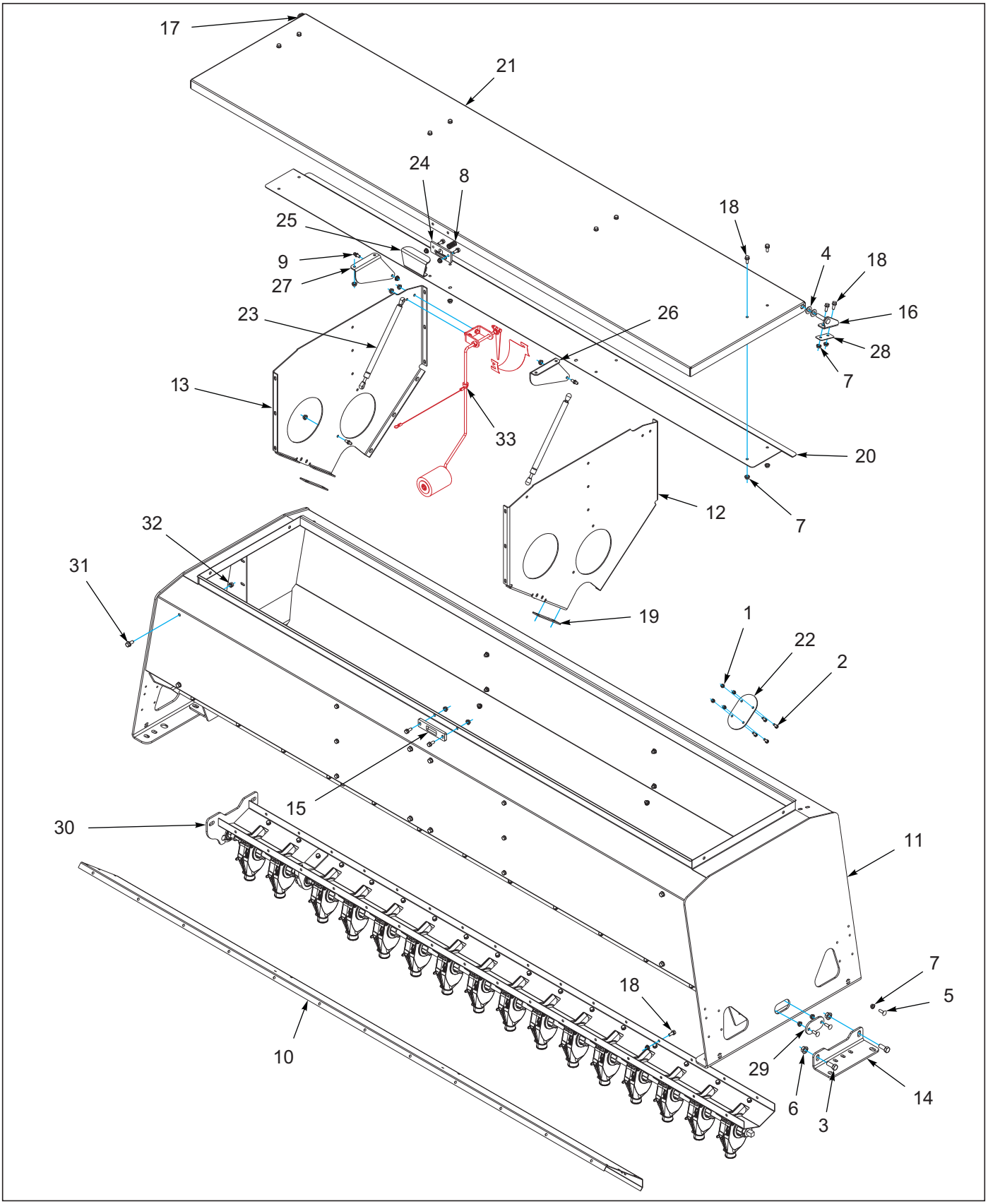



Figure 3-2: Box Assembly W/O Fertilizer 5211-10’

# Box Assembly W/O Fertilizer 5211-10’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | |
|---|---|---|---|---|---|
| -- | 172737 | BOX ASSY 10' X 7.5" LEFT **(SHOWN)** | * | | |
| -- | 174362 | BOX ASSY 10' X 10" LEFT | | * | |
| -- | 215948 | BOX ASSY, 10'X6" LEFT | | | * |
| 1 | 1-512-010005-01 | NUT, HEX LOCK 1/4-20 GRB **(BEFORE 12-18-2018)** | 4 | 4 | 4 |
| 2 | 1-654-010047-04 | SCREW HEX CAP 1/4-20 X 3/4 GR5 **(BEFORE 12-18-2018)** | 4 | 4 | 4 |
| 3 | 1-654-010055-02 | SCREW, HEX HEAD CAP 1/2-13 X 1-1/4 GR5 | 4 | 4 | 4 |
| 4 | 1-861-010032-14 | WASHER, FLAT 1/2N | 4 | 4 | 4 |
| 5 | 104031 | SCREW, RD HEAD SQ NECK 5/16-18 X 1 GR5 | 8 | 8 | 8 |
| 6 | 124971 | NUT, FLANGE HEAD SPIRALOCK 1/2-13 | 4 | 4 | 4 |
| 7 | 126561 | NUT, FLANGE HEAD SERRATED 5/16-18 | 106 | 98 | 106 |
| 8 | 139692 | SPRING, COMPRESSION | 1 | 1 | 1 |
| 9 | 1401756 | BALL STUD | 4 | 4 | 4 |
| 10 | 143931 | PANEL, SEED BOX 10' | 1 | 1 | 1 |
| 11 | 143932 | BOX, SEED WLDMT | 1 | 1 | 1 |
| 12 | 144125 | PANEL, SEED BOX RIGHT | 1 | 1 | 1 |
| 13 | 144126 | PANEL, SEED BOX LEFT | 1 | 1 | 1 |
| 14 | 144127 | BRACKET, SEED BOX | 2 | 2 | 2 |
| 15 | 144141 | STOP, LATCH | 1 | 1 | 1 |
| 16 | 144158 | HINGE, SEED BOX LID RIGHT | 1 | 1 | 1 |
| 17 | 144159 | HINGE, SEED BOX LID LEFT | 1 | 1 | 1 |
| 18 | 144268 | SCREW, FLANGE HEAD 5/16-18 X 3/4 | 94 | 86 | 94 |
| 19 | 151547 | SPACER, SEED BOX | 2 | 2 | 2 |
| 20 | 151578 | SHIELD,SPLASH GUARD | 1 | 1 | 1 |
| 21 | 151580 | LID, SEED BOX 10' WLDMT | 1 | 1 | 1 |
| 22 | 154841 | GLASS, SIGHT **(BEFORE 12-18-2018)** | 1 | 1 | 1 |
| 23 | 155840 | GAS SPRING | 2 | 2 | 2 |
| 24 | 161474 | MOUNT, LATCH | 1 | 1 | 1 |
| 25 | 161475 | HANDLE, LATCH | 1 | 1 | 1 |
| 26 | 161476 | BRACKET, SPRING MOUNT RIGHT | 1 | 1 | 1 |
| 27 | 161477 | BRACKET, SPRING MOUNT LEFT | 1 | 1 | 1 |
| 28 | 168903 | GASKET, HINGE SEAL | 2 | 2 | 2 |
| 29 | 172703 | PLATE, COVER | 2 | 2 | 2 |
| 30 | 172734 | METER ASSY, 10'X7.5" LEFT **(SEE PAGE 3-57)** | 1 | -- | -- |
| 30 | 172741 | METER ASSY, 10'X10" LEFT **(SEE PAGE 3-57)** | -- | 1 | -- |
| 30 | 214837 | METER ASSY, 10'X6" LEFT **(SEE PAGE 3-57)** | -- | -- | 1 |
| 31 | 179776 | SCREW, FLANGE HEAD 3/8-16 X 3/4 | 8 | 8 | 8 |
| 32 | 1-512-010005-05 | NUT, HEX LOCK 3/8-16 GRB | 8 | 8 | 8 |
| 33 | ----- | SEED LEVEL INDICATOR **(AFTER 12-18-2018)** **(SEE PAGE 3-53)** | 1 | 1 | 1 |

# Seed Box Assembly, W/O Fertilizer 5211-12-1/2’

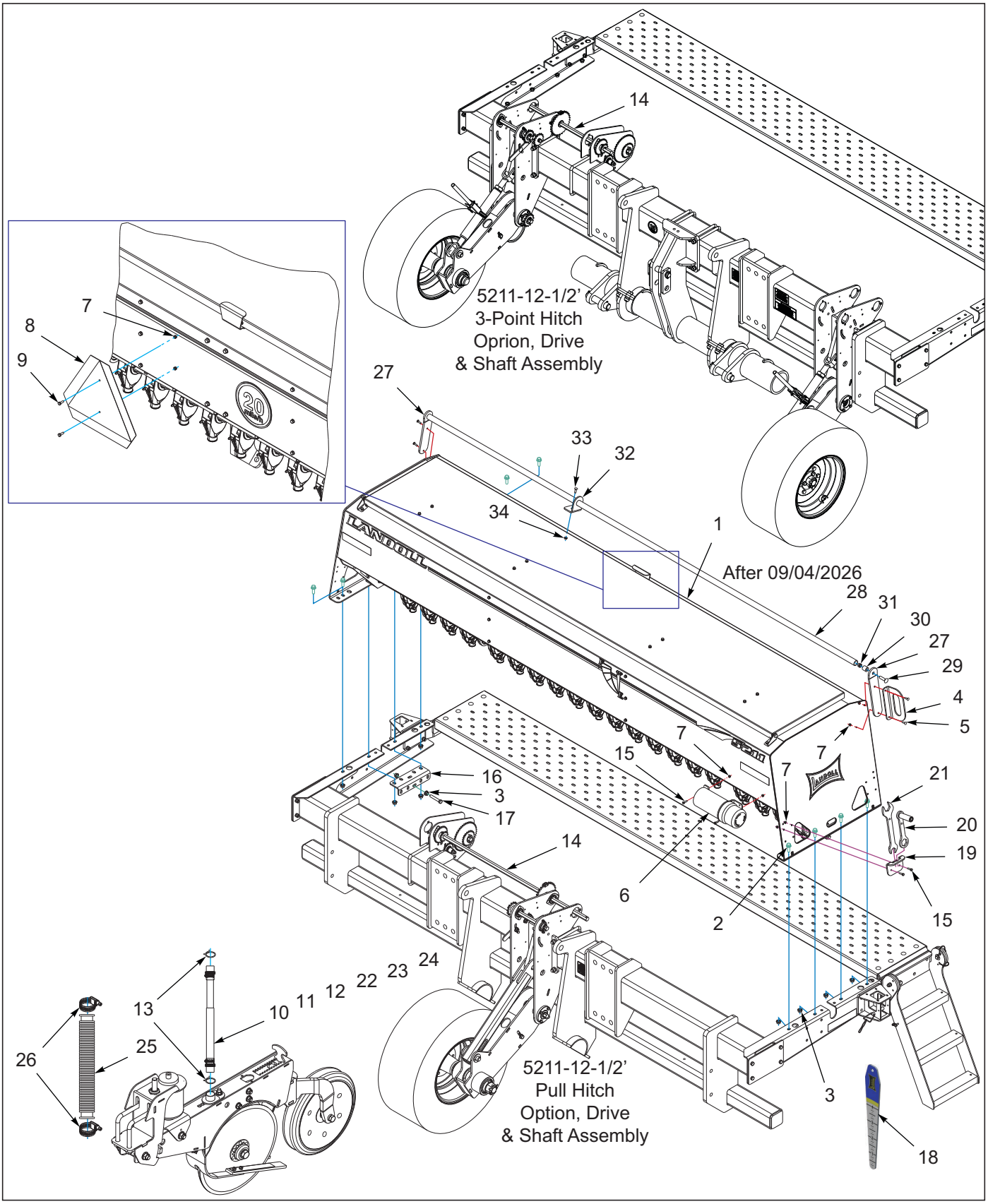



Figure 3-3: Seed Box Assembly, W/O Fertilizer 5211-12-1/2’

# Seed Box Assembly, W/O Fertilizer 5211-12-1/2’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 176537 | BOX ASSY 12.5' X 7.5" GRAIN | * | |
| -- | 176540 | BOX ASSY 12.5' X 10" GRAIN | | * |
| 1 | 208276 | BOX ASSY, 12-1/2'X7.5" **(SEE PAGE 3-9)** | 1 | -- |
| 1 | 208282 | BOX ASSY, 12-1/2'X10" **(SEE PAGE 3-9)** | -- | 1 |
| 2 | 1-655-010001-3 | SCREW, FLG HD 1/2-13X1-1/2 | 8 | 8 |
| 3 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 10 | 10 |
| 4 | 151540 | HANDLE, SEED BOX | 2 | 2 |
| 5 | 1-654-010158-02 | SCREW,RHD,SQ NCK 1/4-20UNCX1 | 4 | 4 |
| 6 | 150076 | MANUAL TUBE (4-1/4"ID) | 1 | 1 |
| 7 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 6 | 6 |
| 8 | 70260977 | SMV EMBLEM | 1 | 1 |
| 9 | 1-654-010047-04 | SCREW,HEX CAP,1/4-20X3/4 GR5 | 2 | 2 |
| 10 | 183921 | SEED TUBE ASSY, 10" 5211 **(USED ON AIR OPENER) (BEFORE 01/16/24) (SEE PAGE 3-55)** | 8 | 9 |
| 11 | 199340 | SEED TUBE ASSY, 11" 5211 **(USED ON AIR OPENER) (LONGEST GOES TO OUTER ENDS OF BOX) (BEFORE 01/16/24) (SEE PAGE 3-55)** | 8 | 6 |
| 12 | 199341 | SEED TUBE ASSY, 12" 5211 **(USED ON AIR OPENER) (LONGEST GOES TO OUTER ENDS OF BOX) (SEE PAGE 3-55)** | 4 | -- |
| 13 | 144129 | CLAMP, HOSE #24 | 40 | 30 |
| 14 | 161462 | SHAFT 7/8 HEX, 48 **(USED WITH PLAIN SEED PULL HITCH, FERTILIZER/SMALL SEED/AGITATOR 3-POINT OPTION)** | 1 | 1 |
| 14 | 159055 | SHAFT, 7/8 HEX 85L **(USED WITH SMALL SEED/AGITATOR/FERTILIZER, PULL)** | 1 | 1 |
| 14 | 144179 | SHAFT,7/8 HEX, 28 L (USED WITH PLAIN SEED 3-POINT HITCH OPTION) | 1 | 1 |
| 15 | 1-654-010047-06 | SCREW,HX CP 1/4-20UNCX1 GR5 | 4 | 4 |
| 16 | 176676 | BRACKET, STOP | 1 | 1 |
| 17 | 8-105-010006 | CAPSCREW 1/2X13X3 F THD GR5 | 1 | 1 |
| 18 | 213932 | SEED DEPTH TOOL INDICATOR | 1 | 1 |
| 19 | 250427 | MOUNT, WRENCH HOLDER | 1 | 1 |
| 20 | 243780 | WRENCH, SEED RATE ADJUSTMENT | 1 | 1 |
| 21 | 243777 | WRENCH,  ADJUSTMENT | 1 | 1 |
| 22 | 216429 | SEED TUBE ASSY, 9" SPRING **(USED ON SPRING OPENER) (SEE PAGE 3-56)** | 8 | 9 |
| 23 | 216430 | SEED TUBE ASSY, 10" SPRING **(USED ON SPRING OPENER) (SEE PAGE 3-55) (LONGEST GOES TO OUTER ENDS OF BOX)** | 8 | 6 |
| 24 | 216431 | SEED TUBE ASSY, 11" SPRING **(USED ON SPRING OPENER) (SEE PAGE 3-56)** | 4 | -- |
| 25 | 252875 | HOSE, SEED TUBE **(USED ON AIR OPENER) (AFTER 01/16/24)** | 20 | 15 |
| 26 | 42H20 | CLAMP, HOSE  1-1/4 IN | 40 | 30 |
| 27 | 252824 | BRACKET, HAND RAIL **(AFTER 09/04/2026)** | 2 | 2 |
| 28 | 252821 | RAIL, HAND 134-1/2L **(AFTER 09/04/2026)** | 1 | 1 |
| 29 | 1-654-010070-05 | SCREW,RDHD SQNCK 1/2-13X2 GR5 **(AFTER 09/04/2026)** | 2 | 2 |
| 30 | 144183 | SPACER 1X9/16X1 **(AFTER 09/04/2026)** | 2 | 2 |
| 31 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB **(AFTER 09/04/2026)** | 2 | 2 |
| 32 | 252825 | BRACKET, HAND RAIL SUPPORT **(AFTER 09/04/2026)** | 1 | 1 |
| 33 | 104031 | SCREW,RDHD,SQNK 5/16-18X1 GR5 **(AFTER 09/04/2026)** | 1 | 1 |

# Seed Box Assembly, W/O Fertilizer 5211-12-1/2’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| 34 | 126561 | NUT,FLG HD,SERRATED,5/16-18ZP **(AFTER 09/04/2026)** | 1 | 1 |

Table provided for general use.

| NOTES: |
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# Box Assembly W/O Fertilizer 5211-12-1/2’

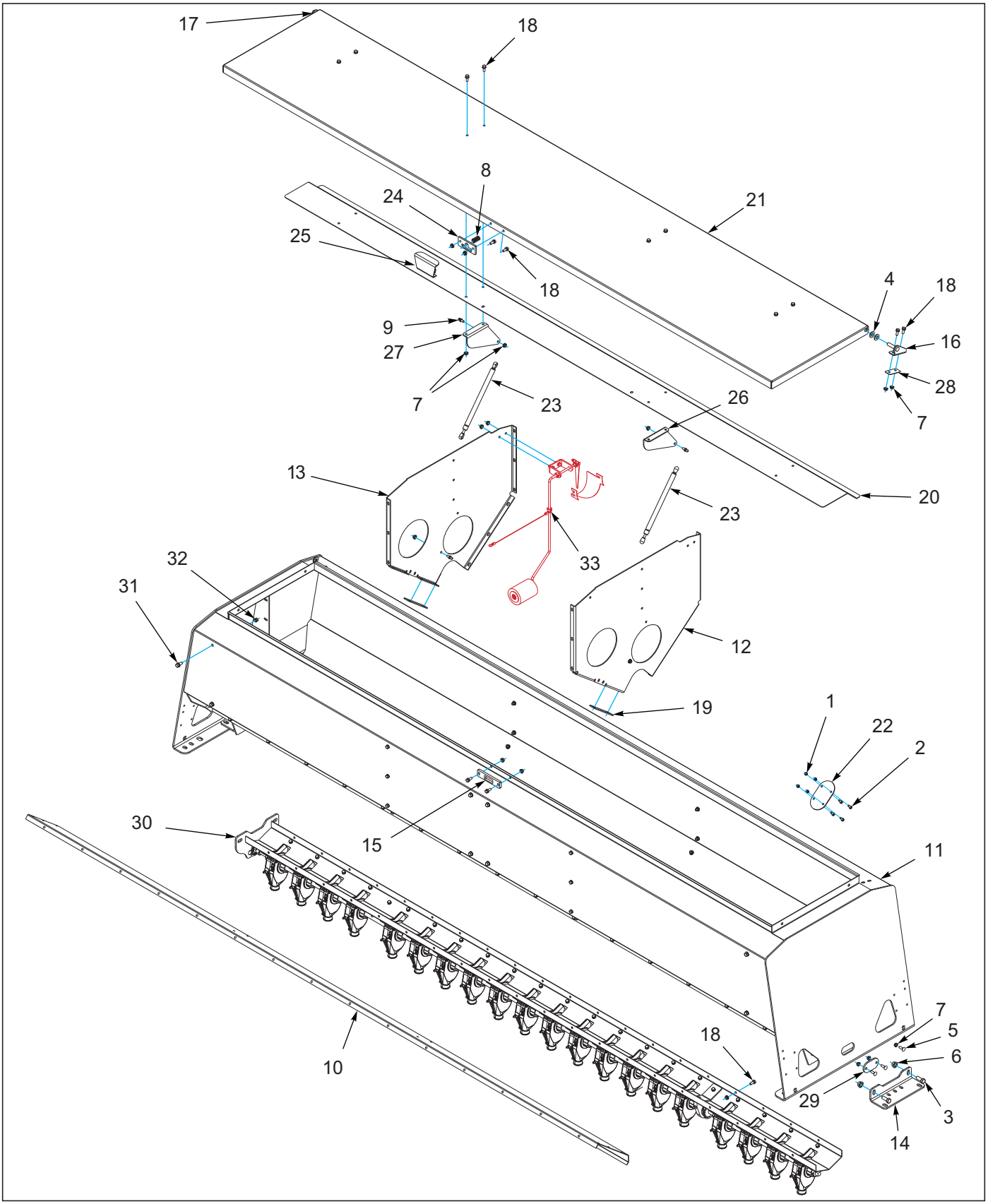



Figure 3-4: Box Assembly W/O Fertilizer 5211-12-1/2’

# Box Assembly W/O Fertilizer 5211-12-1/2’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 208276 | BOX ASSY, 12-1/2'X7.5" **(SHOWN)** | * | |
| -- | 208282 | BOX ASSY, 12-1/2'X10" | | * |
| 1 | 1-512-010005-01 | NUT, HEX LOCK 1/4-20 GRB **(BEFORE 12-18-2018)** | 4 | 4 |
| 2 | 1-654-010047-04 | SCREW HEX CAP 1/4-20 X 3/4 GR5 **(BEFORE 12-18-2018)** | 4 | 4 |
| 3 | 1-654-010055-02 | SCREW, HEX HEAD CAP 1/2-13 X 1-1/4 GR5 | 4 | 4 |
| 4 | 1-861-010032-14 | WASHER, FLAT 1/2N | 4 | 4 |
| 5 | 104031 | SCREW, RD HEAD SQ NECK 5/16-18 X 1 GR5 | 8 | 8 |
| 6 | 124971 | NUT, FLANGE HEAD SPIRALOCK 1/2-13 | 4 | 4 |
| 7 | 126561 | NUT, FLANGE HEAD SERRATED 5/16-18 | 117 | 107 |
| 8 | 139692 | SPRING, COMPRESSION | 1 | 1 |
| 9 | 1401756 | BALL STUD | 4 | 4 |
| 10 | 159101 | PANEL,SEED BOX 12-1/2' | 1 | 1 |
| 11 | 159102 | BOX,SEED 12-1/2' WLDMT | 1 | 1 |
| 12 | 144125 | PANEL, SEED BOX RIGHT | 1 | 1 |
| 13 | 144126 | PANEL, SEED BOX LEFT | 1 | 1 |
| 14 | 144127 | BRACKET, SEED BOX | 2 | 2 |
| 15 | 144141 | STOP, LATCH | 1 | 1 |
| 16 | 144158 | HINGE, SEED BOX LID RIGHT | 1 | 1 |
| 17 | 144159 | HINGE, SEED BOX LID LEFT | 1 | 1 |
| 18 | 144268 | SCREW, FLANGE HEAD 5/16-18 X 3/4 | 105 | 95 |
| 19 | 151547 | SPACER, SEED BOX | 2 | 2 |
| 20 | 159095 | SHIELD,SPLASH GUARD 12-1/2' | 1 | 1 |
| 21 | 159094 | LID,SEED BOX 12-1/2' WLDMT | 1 | 1 |
| 22 | 154841 | GLASS, SIGHT **(BEFORE 12-18-2018)** | 1 | 1 |
| 23 | 155840 | GAS SPRING | 2 | 2 |
| 24 | 161474 | MOUNT, LATCH | 1 | 1 |
| 25 | 161475 | HANDLE, LATCH | 1 | 1 |
| 26 | 161476 | BRACKET, SPRING MOUNT RIGHT | 1 | 1 |
| 27 | 161477 | BRACKET, SPRING MOUNT LEFT | 1 | 1 |
| 28 | 168903 | GASKET, HINGE SEAL | 2 | 2 |
| 29 | 172703 | PLATE, COVER | 2 | 2 |
| 30 | 208216 | METER ASSY, 12-1/2'X7.5" **(SEE PAGE 3-59)** | 1 | -- |
| 30 | 208284 | METER ASSY, 12-1/2'X10" **(SEE PAGE 3-59)** | -- | 1 |
| 31 | 179776 | SCREW, FLANGE HEAD 3/8-16 X 3/4 | 8 | 8 |
| 32 | 1-512-010005-05 | NUT, HEX LOCK 3/8-16 GRB | 8 | 8 |
| 33 | ----- | SEED LEVEL INDICATOR **(AFTER 12-18-2018) (SEE PAGE 3-53)** | 1 | 1 |

# Seed Box Assembly, W/O Fertilizer 5211-15’

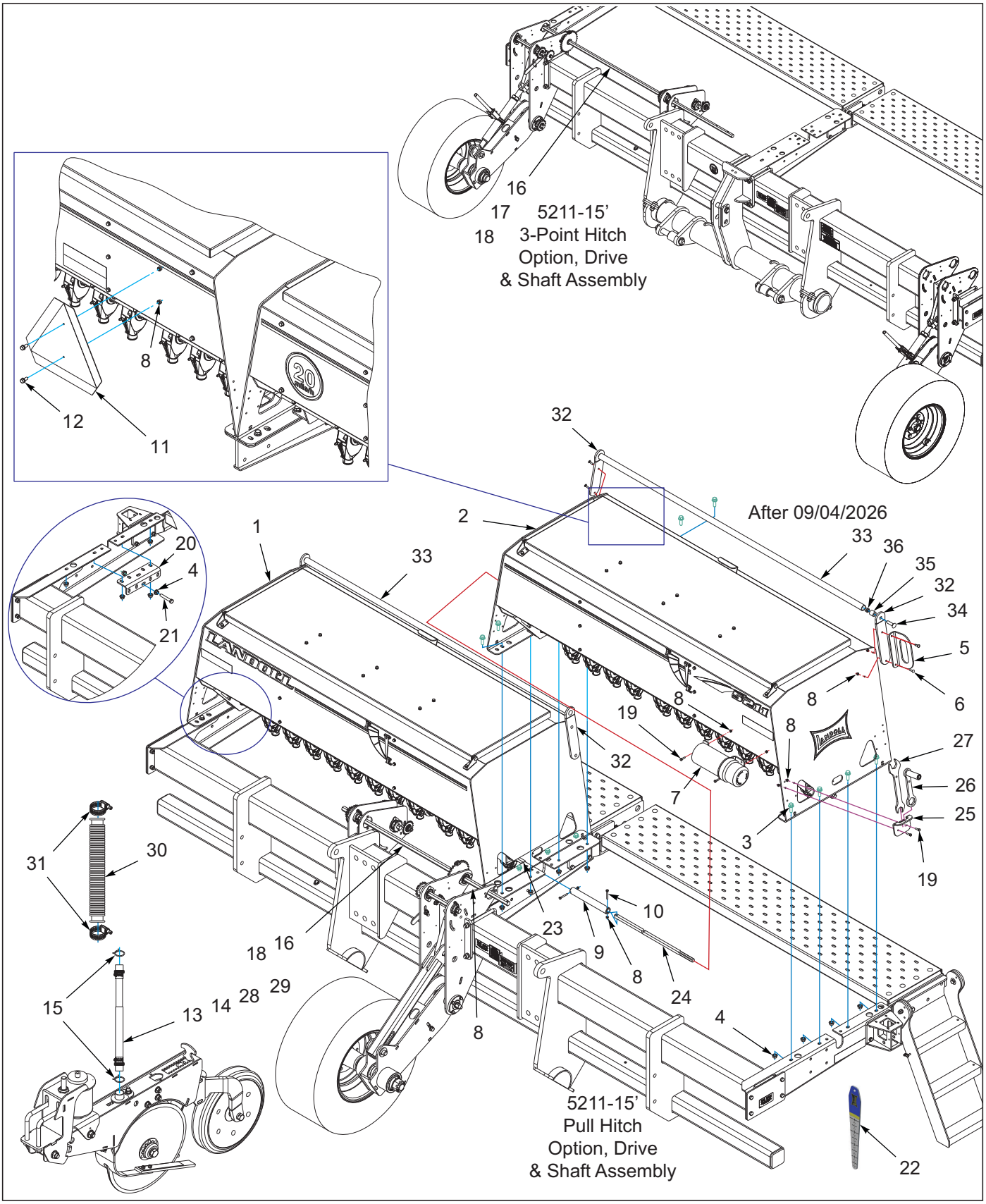



Figure 3-5: Seed Box Assembly, W/O Fertilizer 5211-15’

# Seed Box Assembly, W/O Fertilizer 5211-15’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 176542 | BOX ASSY 15' X 7.5" GRAIN | * | |
| -- | 176545 | BOX ASSY 15' X 10" GRAIN | | * |
| 1 | 174498 | BOX ASSY 7-1/2' X 7.5" RIGHT **(SEE PAGE 3-13)** | 1 | -- |
| 1 | 243767 | BOX ASSY, 7-1/2' X 10" RIGHT **(SEE PAGE 3-13)** | -- | 1 |
| 2 | 174499 | BOX ASSY 7-1/2' X 7.5" LEFT **(SEE PAGE 3-13)** | 1 | -- |
| 2 | 199328 | BOX ASSY 7-1/2' X 10" RIGHT **(SEE PAGE 3-13)** | -- | 1 |
| 3 | 1-655-010001-3 | SCREW, FLG HD 1/2-13X1-1/2 | 16 | 16 |
| 4 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 18 | 18 |
| 5 | 151540 | HANDLE, SEED BOX | 2 | 2 |
| 6 | 1-654-010158-02 | SCREW,RHD,SQ NCK 1/4-20UNCX1 | 4 | 4 |
| 7 | 150076 | MANUAL TUBE (4-1/4"ID) | 1 | 1 |
| 8 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 12 | 12 |
| 9 | 154827 | COUPLER SHAFT 10-1/2" | 1 | 1 |
| 10 | 1-654-010047-10 | SCREW,HX CP,1/4-20UNC X2 GR5 | 2 | 2 |
| 11 | 70260977 | SMV EMBLEM | 1 | 1 |
| 12 | 1-654-010047-04 | SCREW,HEX CAP,1/4-20X3/4 GR5 | 2 | 2 |
| 13 | 183921 | SEED TUBE ASSY, 10" 5211 **(USED ON AIR OPENER) (BEFORE 01/16/24) (SEE PAGE 3-55)** | 18 | 12 |
| 14 | 199340 | SEED TUBE ASSY, 11" 5211 **(USED ON AIR OPENER) (LONGEST GOES TO OUTER ENDS OF BOX) (BEFORE 01/16/24) (SEE PAGE 3-55)** | 6 | 6 |
| 15 | 144129 | CLAMP, HOSE #24 | 48 | 36 |
| 16 | 161462 | SHAFT 7/8 HEX, 48L **(USED WITH PLAIN 7-1/2”SP, SMALL SEED/FERTILIZER 7-1/2”SP SEED PULL HITCH OPTIONS ONLY)** (3-POINT 7-1/2”SP, HITCH OPTION) | 1 | 1 |
| 17 | 144181 | SHAFT, 7/8 HEX, 72-1/4 L **(USED WITH PLAIN 10”SP, 3-POINT HITCH OPTION ONLY)** | -- | 1 |
| 18 | 159055 | SHAFT, 7/8 HEX 85L (SMALL SEED, 3-POINT HITCH OPTION ONLY) (AGITATOR, 3-POINT & PULL HITCH OPTION ONLY, QTY.2 SEE PAGE 3-75) | -- | 1 |
| 19 | 1-654-010047-06 | SCREW,HX CP 1/4-20UNCX1 GR5 | 4 | 4 |
| 20 | 176676 | BRACKET, STOP | 1 | 1 |
| 21 | 8-105-010006 | CAPSCREW 1/2X13X3 F THD GR5 | 1 | 1 |
| 22 | 213932 | SEED DEPTH TOOL INDICATOR | 1 | 1 |
| 23 | 154826 | SHAFT 5/8 SQ X 78 **(SEE PAGE 3-61)** | 1 | 1 |
| 24 | 174311 | SHAFT SQ 5/8X79 W/THDS **(SEE PAGE 3-61)** | 1 | 1 |
| 25 | 250427 | MOUNT, WRENCH HOLDER | 1 | 1 |
| 26 | 243780 | WRENCH, SEED RATE ADJUSTMENT | 1 | 1 |
| 27 | 243777 | WRENCH, ADJUSTMENT | 1 | 1 |
| 28 | 216429 | SEED TUBE ASSY, 9" SPRING **(USED ON SPRING OPENER) (SEE PAGE 3-56)** | 18 | 12 |
| 29 | 216430 | SEED TUBE ASSY, 10" SPRING **(USED ON SPRING OPENER) (LONGEST GOES TO OUTER ENDS OF BOX) (SEE PAGE 3-55)** | 6 | 6 |
| 30 | 252875 | HOSE, SEED TUBE **(USED ON AIR OPENER) (AFTER 01/16/24)** | 24 | 18 |
| 31 | 42H20 | CLAMP, HOSE 1-1/4 IN | 48 | 36 |
| 32 | 252824 | BRACKET, HAND RAIL **(AFTER 09/04/2026)** | 4 | 4 |
| 33 | 252822 | RAIL, HAND 77-1/8 L **(AFTER 09/04/2026)** | 2 | 2 |
| 34 | 1-654-010070-05 | SCREW,RDHD SQNCK 1/2-13X2 GR5 **(AFTER 09/04/2026)** | 4 | 4 |
| 35 | 144183 | SPACER 1X9/16X1 **(AFTER 09/04/2026)** | 4 | 4 |
| 36 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB **(AFTER 09/04/2026)** | 4 | 4 |

# Box Assembly W/O Fertilizer 5211-15’

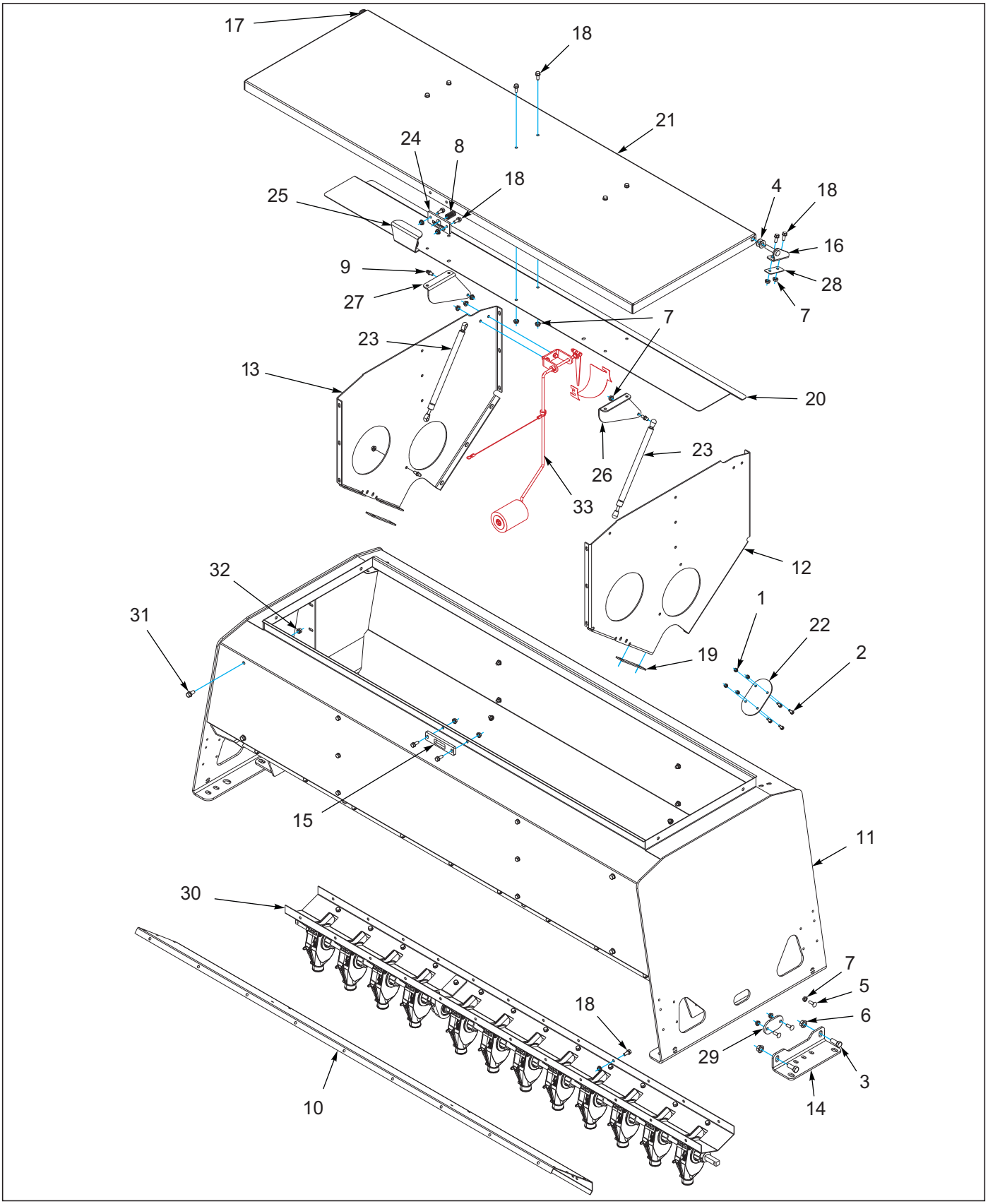



Figure 3-6: Box Assembly W/O Fertilizer 5211-15

# Box Assembly W/O Fertilizer 5211-15’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | |
|---|---|---|---|---|---|---|
| -- | 174498 | BOX ASSY 7-1/2' X 7.5" RIGHT **(SHOWN)** | * | | | |
| -- | 174499 | BOX ASSY 7-1/2' X 7.5" LEFT | | * | | |
| -- | 243767 | BOX ASSY, 7-1/2' X 10" RIGHT | | | * | |
| -- | 199328 | BOX ASSY 7-1/2' X 10" RIGHT | | | | * |
| 1 | 1-512-010005-01 | NUT, HEX LOCK 1/4-20 GRB **(BEFORE 12-18-2018)** | 4 | 4 | 4 | 4 |
| 2 | 1-654-010047-04 | SCREW HEX CAP 1/4-20 X 3/4 GR5 **(BEFORE 12-18-2018)** | 4 | 4 | 4 | 4 |
| 3 | 1-654-010055-02 | SCREW, HEX HEAD CAP 1/2-13 X 1-1/4 GR5 | 4 | 4 | 4 | 4 |
| 4 | 1-861-010032-14 | WASHER, FLAT 1/2N | 4 | 4 | 4 | 4 |
| 5 | 104031 | SCREW, RD HEAD SQ NECK 5/16-18 X 1 GR5 | 8 | 8 | 8 | 8 |
| 6 | 124971 | NUT, FLANGE HEAD SPIRALOCK 1/2-13 | 4 | 4 | 4 | 4 |
| 7 | 126561 | NUT, FLANGE HEAD SERRATED 5/16-18 | 93 | 93 | 87 | 87 |
| 8 | 139692 | SPRING, COMPRESSION | 1 | 1 | 1 | 1 |
| 9 | 1401756 | BALL STUD | 4 | 4 | 4 | 4 |
| 10 | 153868 | PANEL, SEED BOX 7-1/2' | 1 | 1 | 1 | 1 |
| 11 | 154842 | BOX, SEED 7-1/2" WLDMT | 1 | 1 | 1 | 1 |
| 12 | 144125 | PANEL, SEED BOX RIGHT | 1 | 1 | 1 | 1 |
| 13 | 144126 | PANEL, SEED BOX LEFT | 1 | 1 | 1 | 1 |
| 14 | 144127 | BRACKET, SEED BOX | 2 | 2 | 2 | 2 |
| 15 | 144141 | STOP, LATCH | 1 | 1 | 1 | 1 |
| 16 | 144158 | HINGE, SEED BOX LID RIGHT | 1 | 1 | 1 | 1 |
| 17 | 144159 | HINGE, SEED BOX LID LEFT | 1 | 1 | 1 | 1 |
| 18 | 144268 | SCREW, FLANGE HEAD 5/16-18 X 3/4 | 105 | 95 | 105 | 95 |
| 19 | 151547 | SPACER, SEED BOX | 2 | 2 | 2 | 2 |
| 20 | 153869 | SHIELD, SPLASH GUARD 7-1/2' | 1 | 1 | 1 | 1 |
| 21 | 153871 | LID, SEED BOX 7-1/2' WLDMT | 1 | 1 | 1 | 1 |
| 22 | 154841 | GLASS, SIGHT **(BEFORE 12-18-2018)** | 1 | 1 | 1 | 1 |
| 23 | 155840 | GAS SPRING | 2 | 2 | 2 | 2 |
| 24 | 161474 | MOUNT, LATCH | 1 | 1 | 1 | 1 |
| 25 | 161475 | HANDLE, LATCH | 1 | 1 | 1 | 1 |
| 26 | 161476 | BRACKET, SPRING MOUNT RIGHT | 1 | 1 | 1 | 1 |
| 27 | 161477 | BRACKET, SPRING MOUNT LEFT | 1 | 1 | 1 | 1 |
| 28 | 168903 | GASKET, HINGE SEAL | 2 | 2 | 2 | 2 |
| 29 | 172703 | PLATE, COVER | 2 | 2 | 2 | 2 |
| 30 | 218426 | METER ASSY, 7-1/2'X7.5" RT **(SEE PAGE 3-61)** | 1 | -- | -- | -- |
| 30 | 218427 | METER ASSY, 7-1/2'X7.5" LT **(SEE PAGE 3-61)** | -- | 1 | -- | -- |
| 30 | 243769 | METER ASSY, 7-1/2' X 10" RIGHT **(SEE PAGE 3-61)** | -- | -- | 1 | -- |
| 30 | 199330 | METER ASSY, 7-1/2'X10" RIGHT **(SEE PAGE 3-61)** | -- | -- | -- | 1 |
| 31 | 179776 | SCREW, FLANGE HEAD 3/8-16 X 3/4 | 4 | 4 | 4 | 4 |
| 32 | 1-512-010005-05 | NUT, HEX LOCK 3/8-16 GRB | 4 | 4 | 4 | 4 |
| 33 | ----- | SEED LEVEL INDICATOR **(AFTER 12-18-2018) (SEE PAGE 3-53)** | 1 | 1 | 1 | 1 |

# Seed Box Assembly, W/O Fertilizer 5211-20’

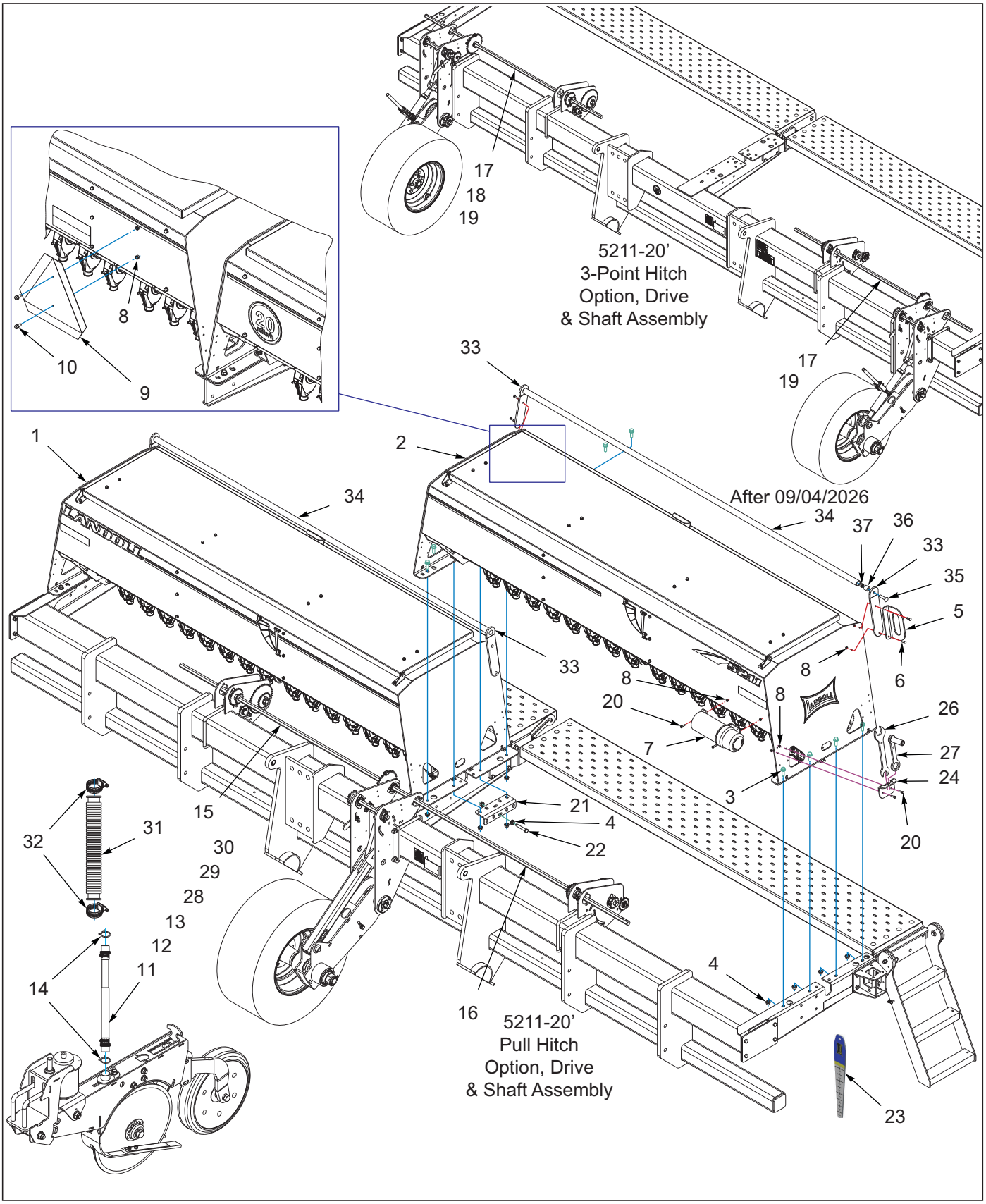



Figure 3-7: Seed Box Assembly, W/O Fertilizer 5211-20’

# Seed Box Assembly, W/O Fertilizer 5211-20’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 176547 | BOX ASSY 20' X 7.5" GRAIN | * | |
| -- | 176550 | BOX ASSY 20' X 10" GRAIN | | * |
| 1 | 174502 | BOX ASSY 10' X 7.5" RIGHT **(SEE PAGE 3-19)** | 1 | -- |
| 1 | 176480 | BOX ASSY 10' X 10" RIGHT **(SEE PAGE 3-19)** | -- | 1 |
| 2 | 174503 | BOX ASSY 10' X 7.5" LEFT **(SEE PAGE 3-19)** | 1 | -- |
| 2 | 176481 | BOX ASSY 10' X 10" LEFT **(SEE PAGE 3-19)** | -- | 1 |
| 3 | 1-655-010001-3 | SCREW, FLG HD 1/2-13X1-1/2 | 18 | 18 |
| 4 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 18 | 18 |
| 5 | 151540 | HANDLE, SEED BOX | 2 | 2 |
| 6 | 1-654-010158-02 | SCREW,RHD,SQ NCK 1/4-20UNCX1 | 4 | 4 |
| 7 | 150076 | MANUAL TUBE (4-1/4"ID) | 4 | 4 |
| 8 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 10 | 10 |
| 9 | 70260977 | SMV EMBLEM | 1 | 1 |
| 10 | 1-654-010047-04 | SCREW,HEX CAP,1/4-20X3/4 GR5 | 2 | 2 |
| 11 | 183921 | SEED TUBE ASSY, 10" 5211 **(USED ON AIR OPENER) (BEFORE 01/16/24) (SEE PAGE 3-55)** | 20 | 16 |
| 12 | 199340 | SEED TUBE ASSY, 11" 5211 **(USED ON AIR OPENER) (LONGEST GOES TO OUTER ENDS OF BOX) (BEFORE 01/16/24) (SEE PAGE 3-55)** | 8 | 6 |
| 13 | 199341 | SEED TUBE ASSY, 12" 5211 **(USED ON AIR OPENER) (LONGEST GOES TO OUTER ENDS OF BOX) (SEE PAGE 3-55)** | 4 | 2 |
| 14 | 144129 | CLAMP, HOSE #24 | 64 | 48 |
| 15 | 154869 | SHAFT, 7/8 HEX, 140 L **(USED WITH PLAIN/ SMALL SEED, AGITATOR PULL HITCH OPTIONS ONLY)** | 1 | 1 |
| 16 | 159055 | SHAFT, 7/8 HEX 85L **(USED WITH FERTILIZER, LEFT SIDE, PULL HITCH OPTION ONLY)** | 1 | 1 |
| 17 | 144181 | SHAFT, 7/8 HEX, 72-1/4 L **(USED WITH PLAIN SEED/ AGITATOR/FERTILIZER, 3-POINT HITCH OPTION ONLY)** | 2 | 2 |
| 18 | 144180 | SHAFT, 7/8 HEX, 108-1/2 L **(USED WITH SMALL SEED RIGHT SIDE, 3-POINT HITCH OPTION ONLY)** | 1 | 1 |
| 19 | 154869 | SHAFT, 7/8 HEX, 140 L **(USED WITH AGITATOR RIGHT SIDE, 3-POINT HITCH OPTION ONLY)** | 1 | 1 |
| 20 | 1-654-010047-06 | SCREW,HX CP 1/4-20UNCX1 GR5 | 4 | 4 |
| 21 | 176676 | BRACKET, STOP | 2 | 2 |
| 22 | 8-105-010006 | CAPSCREW 1/2X13X3 F THD GR5 | 2 | 2 |
| 23 | 213932 | SEED DEPTH TOOL INDICATOR | 1 | 1 |
| 24 | 250427 | MOUNT, WRENCH HOLDER | 1 | 1 |
| 25 | 1-861-010032-06 | WASHER, FLAT 1/4 N ZP/CD | 4 | 4 |
| 26 | 243780 | WRENCH, SEED RATE ADJUSTMENT | 1 | 1 |
| 27 | 243777 | WRENCH, ADJUSTMENT | 1 | 1 |
| 28 | 216429 | SEED TUBE ASSY, 9" SPRING **(USED ON SPRING OPENER) (SEE PAGE 3-56)** | 20 | 16 |
| 29 | 216430 | SEED TUBE ASSY, 10" SPRING **(USED ON SPRING OPENER) (LONGEST GOES TO OUTER ENDS OF BOX) (SEE PAGE 3-55)** | 8 | 6 |
| 30 | 216431 | SEED TUBE ASSY, 11" SPRING **(USED ON SPRING OPENER) (SEE PAGE 3-56)** | 4 | 2 |
| 31 | 252875 | HOSE, SEED TUBE **(USED ON AIR OPENER) (AFTER 01/16/24)** | 32 | 24 |
| 32 | 42H20 | CLAMP, HOSE 1-1/4 IN | 64 | 48 |
| 33 | 252824 | BRACKET, HAND RAIL **(AFTER 09/04/2026)** | 4 | 4 |
| 34 | 252823 | RAIL, HAND 104-5/16 L **(AFTER 09/04/2026)** | 2 | 2 |

# Seed Box Assembly, W/O Fertilizer 5211-20’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| 35 | 1-654-010070-05 | SCREW,RDHD SQNCK 1/2-13X2 GR5 **(AFTER 09/04/2026)** | 4 | 4 |
| 36 | 144183 | SPACER 1X9/16X1 **(AFTER 09/04/2026)** | 4 | 4 |
| 37 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB **(AFTER 09/04/2026)** | 4 | 4 |

Table provided for general use.

| NOTES: |
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# Box Assembly W/O Fertilizer 5211-20’

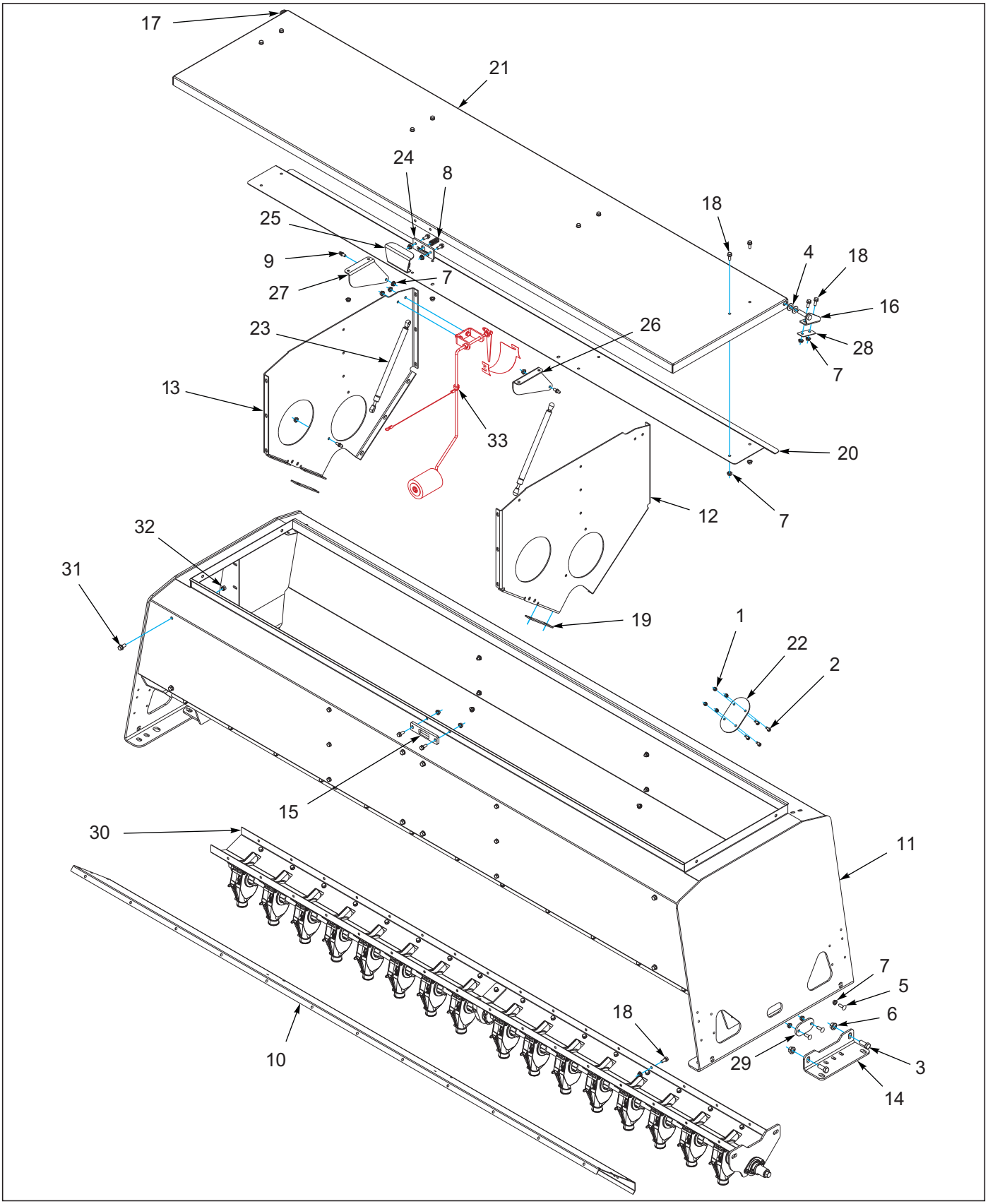



Figure 3-8: Box Assembly W/O Fertilizer 5211-20

# Box Assembly W/O Fertilizer 5211-20’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | |
|---|---|---|---|---|---|---|
| -- | 174502 | BOX ASSY 10' X 7.5" RIGHT **(SHOWN)** | * | | | |
| -- | 174503 | BOX ASSY 10' X 7.5" LEFT | | * | | |
| -- | 176480 | BOX ASSY 10' X 10" RIGHT | | | * | |
| -- | 176481 | BOX ASSY 10' X 10" LEFT | | | | * |
| 1 | 1-512-010005-01 | NUT, HEX LOCK 1/4-20 GRB **(BEFORE 12-18-2018)** | 4 | 4 | 4 | 4 |
| 2 | 1-654-010047-04 | SCREW HEX CAP 1/4-20 X 3/4 GR5 **(BEFORE 12-18-2018)** | 4 | 4 | 4 | 4 |
| 3 | 1-654-010055-02 | SCREW, HEX HEAD CAP 1/2-13 X 1-1/4 GR5 | 4 | 4 | 4 | 4 |
| 4 | 1-861-010032-14 | WASHER, FLAT 1/2N | 4 | 4 | 4 | 4 |
| 5 | 104031 | SCREW, RD HEAD SQ NECK 5/16-18 X 1 GR5 | 8 | 8 | 8 | 8 |
| 6 | 124971 | NUT, FLANGE HEAD SPIRALOCK 1/2-13 | 4 | 4 | 4 | 4 |
| 7 | 126561 | NUT, FLANGE HEAD SERRATED 5/16-18 | 106 | 106 | 98 | 98 |
| 8 | 139692 | SPRING, COMPRESSION | 1 | 1 | 1 | 1 |
| 9 | 1401756 | BALL STUD | 4 | 4 | 4 | 4 |
| 10 | 143931 | PANEL, SEED BOX 10' | 1 | 1 | 1 | 1 |
| 11 | 143932 | BOX, SEED WLDMT | 1 | 1 | 1 | 1 |
| 12 | 144125 | PANEL, SEED BOX RIGHT | 1 | 1 | 1 | 1 |
| 13 | 144126 | PANEL, SEED BOX LEFT | 1 | 1 | 1 | 1 |
| 14 | 144127 | BRACKET, SEED BOX | 2 | 2 | 2 | 2 |
| 15 | 144141 | STOP, LATCH | 1 | 1 | 1 | 1 |
| 16 | 144158 | HINGE, SEED BOX LID RIGHT | 1 | 1 | 1 | 1 |
| 17 | 144159 | HINGE, SEED BOX LID LEFT | 1 | 1 | 1 | 1 |
| 18 | 144268 | SCREW, FLANGE HEAD 5/16-18 X 3/4 | 105 | 95 | 105 | 95 |
| 19 | 151547 | SPACER, SEED BOX | 2 | 2 | 2 | 2 |
| 20 | 151578 | SHIELD,SPLASH GUARD | 1 | 1 | 1 | 1 |
| 21 | 151580 | LID, SEED BOX 10' WLDMT | 1 | 1 | 1 | 1 |
| 22 | 154841 | GLASS, SIGHT **(BEFORE 12-18-2018)** | 1 | 1 | 1 | 1 |
| 23 | 155840 | GAS SPRING | 2 | 2 | 2 | 2 |
| 24 | 161474 | MOUNT, LATCH | 1 | 1 | 1 | 1 |
| 25 | 161475 | HANDLE, LATCH | 1 | 1 | 1 | 1 |
| 26 | 161476 | BRACKET, SPRING MOUNT RIGHT | 1 | 1 | 1 | 1 |
| 27 | 161477 | BRACKET, SPRING MOUNT LEFT | 1 | 1 | 1 | 1 |
| 28 | 168903 | GASKET, HINGE SEAL | 2 | 2 | 2 | 2 |
| 29 | 172703 | PLATE, COVER | 2 | 2 | 2 | 2 |
| 30 | 174492 | METER ASSY 10'X7.5" RIGHT **(SEE PAGE 3-63)** | 1 | -- | -- | -- |
| 30 | 174493 | METER ASSY 10'X7.5" LEFT **(SEE PAGE 3-63)** | -- | 1 | -- | -- |
| 30 | 174482 | METER ASSY, 10'X10" RIGHT **(SEE PAGE 3-63)** | -- | -- | 1 | -- |
| 30 | 174483 | METER ASSY, 10'X10" LEFT **(SEE PAGE 3-63)** | -- | -- | -- | 1 |
| 31 | 179776 | SCREW, FLANGE HEAD 3/8-16 X 3/4 | 8 | 8 | 8 | 8 |
| 32 | 1-512-010005-05 | NUT, HEX LOCK 3/8-16 GRB | 8 | 8 | 8 | 8 |
| 33 | ----- | SEED LEVEL INDICATOR **(AFTER 12-18-2018) (SEE PAGE 3-53)** | 1 | 1 | 1 | 1 |

# Seed Box Assembly, W/Fertilizer 5211-10’

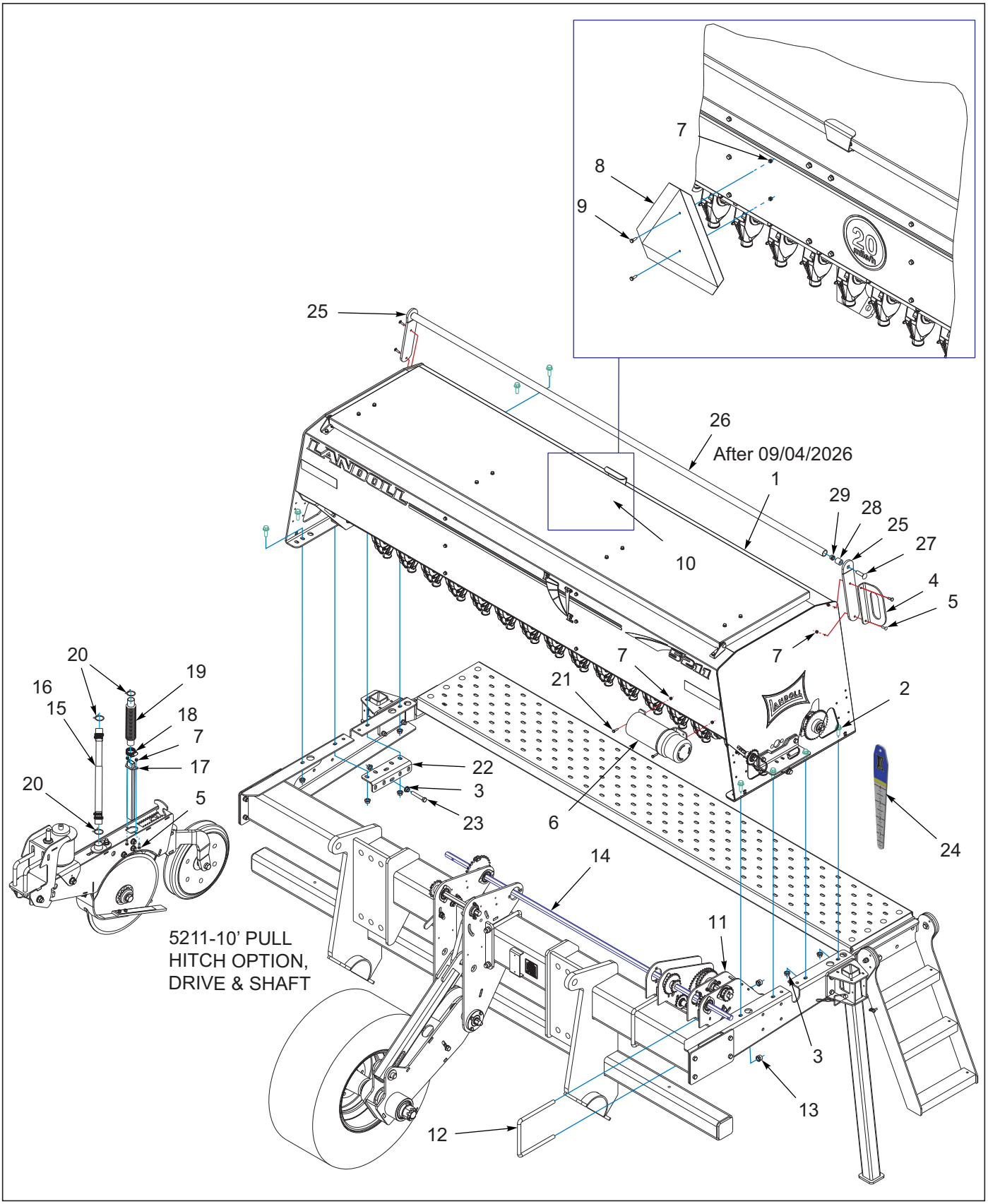



Figure 3-9: Seed Box Assembly, W/Fertilizer 5211-10’

# Seed Box Assembly, W/Fertilizer 5211-10’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 176533 | BOX ASSY 10' X 7.5" W/FERT | * | |
| -- | 176536 | BOX ASSY 10' X 10" W/FERT | | * |
| 1 | 174425 | BOX ASSY 10' X 7.5" WF LEFT **(SEE PAGE 3-23)** | 1 | -- |
| 1 | 174427 | BOX ASSY 10' X 10" WF LEFT **(SEE PAGE 3-23)** | -- | 1 |
| 2 | 1-655-010001-3 | SCREW, FLG HD 1/2-13X1-1/2 | 8 | 8 |
| 3 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 10 | 10 |
| 4 | 151540 | HANDLE, SEED BOX | 2 | 2 |
| 5 | 1-654-010158-02 | SCREW,RHD,SQ NCK 1/4-20UNCX1 | 34 | 26 |
| 6 | 150076 | MANUAL TUBE (4-1/4"ID) | 1 | 1 |
| 7 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 36 | 28 |
| 8 | 70260977 | SMV EMBLEM | 1 | 1 |
| 9 | 1-654-010047-04 | SCREW,HEX CAP,1/4-20X3/4 GR5 | 2 | 2 |
| 10 | 174397 | DECAL, FERILIZER RATE **(LOW) (SEE PAGE 7-1)** | 1 | 1 |
| 11 | 174408 | DRIVE ASSY, FERTILIZER LEFT **(SEE PAGE 3-47)** | 1 | 1 |
| 12 | 70593063 | U-BOLT | 1 | 1 |
| 13 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 2 | 2 |
| 14 | 144181 | SHAFT, 7/8 HEX, 72-1/4 L | 1 | 1 |
| 15 | 183921 | SEED TUBE ASSY, 10" 5211 **(SEE PAGE 3-55)** | 8 | 6 |
| 16 | 199340 | SEED TUBE ASSY, 11" 5211 **(SEE PAGE 3-55)** (LONGEST GOES TO OUTER ENDS OF BOX) | 8 | 6 |
| 17 | 176560 | TUBE, FERTILIZER | 16 | 12 |
| 18 | 42H16 | CLAMP, HOSE 1 IN | 16 | 12 |
| 19 | 144338 | HOSE, SEED | 16 | 12 |
| 20 | 144129 | CLAMP, HOSE #24 | 48 | 36 |
| 21 | 1-654-010047-06 | SCREW,HX CP 1/4-20UNCX1 GR5 | 2 | 2 |
| 22 | 176676 | BRACKET, STOP | 1 | 1 |
| 23 | 8-105-010006 | CAPSCREW 1/2X13X3 F THD GR5 | 1 | 1 |
| 24 | 213932 | SEED DEPTH TOOL INDICATOR | 1 | 1 |
| 25 | 252824 | BRACKET, HAND RAIL **(AFTER 09/04/2026)** | 2 | 2 |
| 26 | 252823 | RAIL, HAND 104-5/16 L **(AFTER 09/04/2026)** | 1 | 1 |
| 27 | 1-654-010070-05 | SCREW,RDHD SQNCK 1/2-13X2 GR5 **(AFTER 09/04/2026)** | 2 | 2 |
| 28 | 144183 | SPACER 1X9/16X1 **(AFTER 09/04/2026)** | 2 | 2 |
| 29 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB **(AFTER 09/04/2026)** | 2 | 2 |

# Box Assembly W/Fertilizer 5211-10’

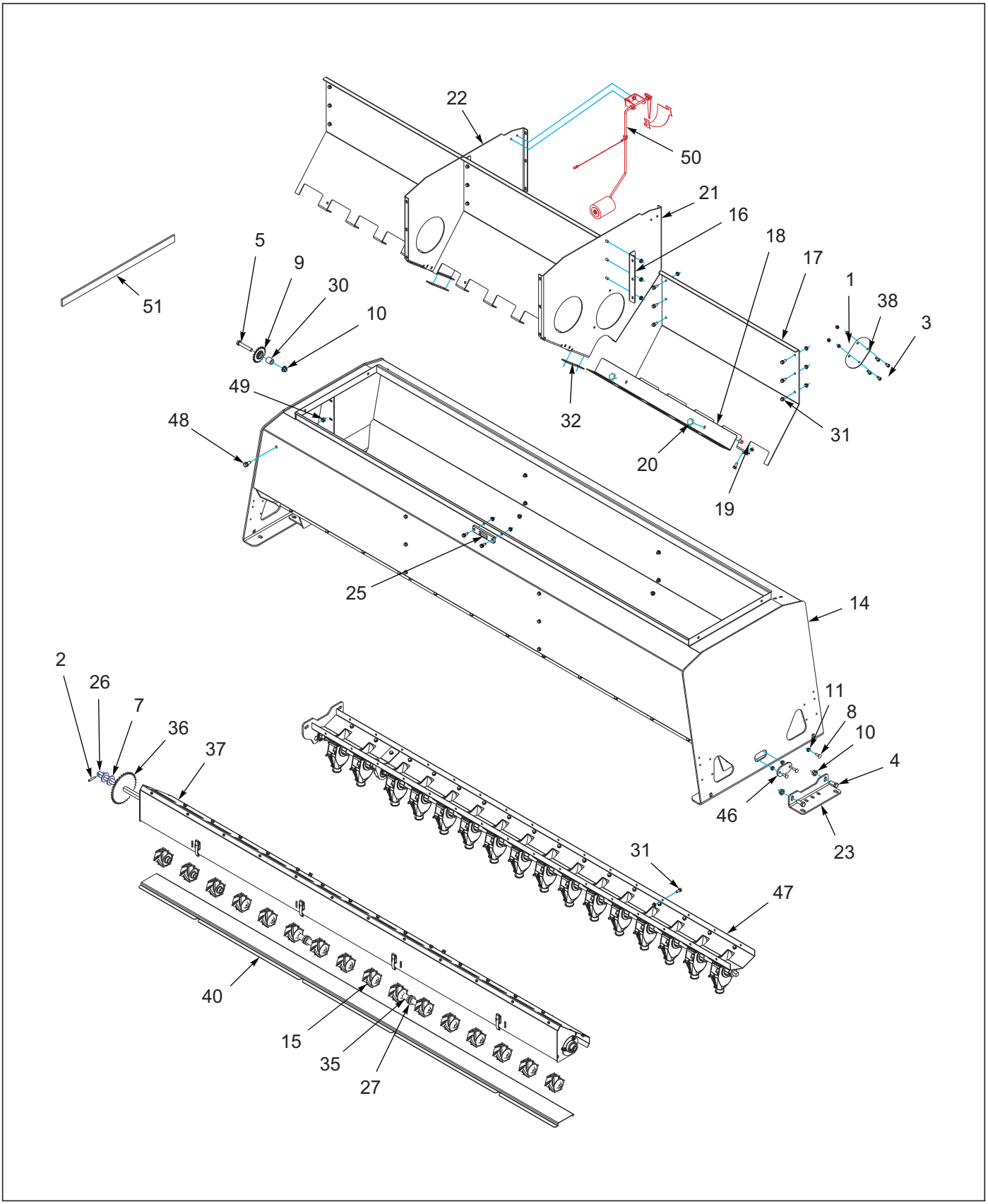



Figure 3-10: Box Assembly W/Fertilizer 5211-10’ (1 of 2)

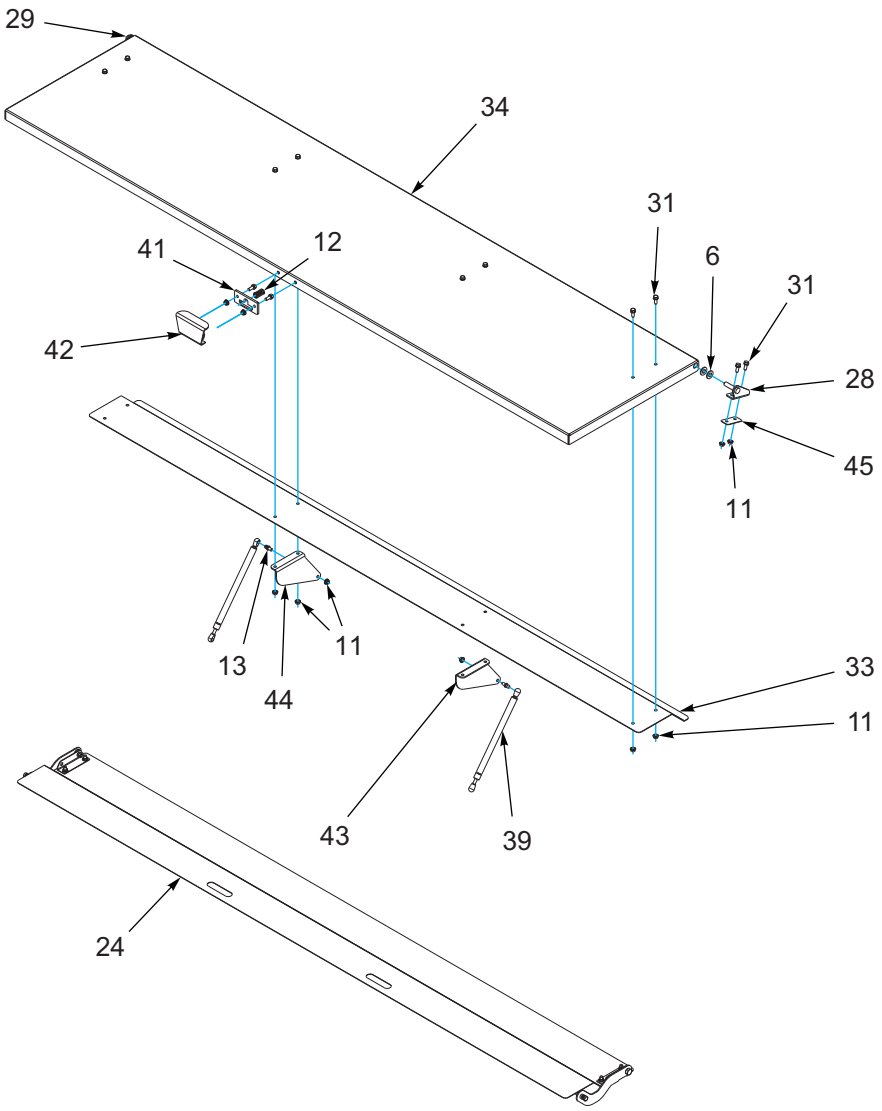



**Figure 3-11: Box Assembly W/Fertilizer 5211-10' (2 of 2)**

# Box Assembly W/Fertilizer 5211-10’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| | 174425 | BOX ASSEMBLY, W/ FERT LEFT 10’ X 7.5” | * | |
| | 174427 | BOX ASSEMBLY, W/ FERT LEFT 10’ X 10” | | * |
| 1 | 1-512-010005-01 | NUT, HEX LOCK 1/4-20 GRB **(BEFORE 12-18-2018)** | 4 | 4 |
| 2 | 1-647-010004217 | SPRING PIN, SLOTTED 1/4 X 1-1/2 | 2 | 2 |
| 3 | 1-654-010047-04 | SCREW, HEX HEAD CAP 1/4-20 X 3/4 GR5 **(BEFORE 12-18-2018)** | 4 | 4 |
| 4 | 1-654-010055-02 | SCREW, HEX HEAD CAP 1/2-13 X 1-1/4 GR5 | 4 | 4 |
| 5 | 1-654-010055-09 | SCREW, HEX HEAD CAP 1/2-13 X 3 GR5 | 1 | 1 |
| 6 | 1-861-010032-14 | WASHER, FLAT 1/2N | 4 | 4 |
| 7 | 1-861-010032-22 | WASHER, FLAT 7/8 | 2 | 2 |
| 8 | 104031 | SCREW, RD HEAD SQ NECK 5/16-18 X 1 | 8 | 8 |
| 9 | 122871 | SPROCKET, TRANSMISSION IDLER | 1 | 1 |
| 10 | 124971 | NUT, HEX FLANGE SPIRALOCK 1/2-13 | 5 | 5 |
| 11 | 126561 | NUT, FLANGE HEAD SERRATED 5/16-18 | 138 | 132 |
| 12 | 139692 | SPRING | 1 | 1 |
| 13 | 1401756 | BALL STUD | 4 | 4 |
| 14 | 143932 | BOX, SEED | 1 | 1 |
| 15 | 144105 | METER, FERTILIZER WHEEL | 16 | 12 |
| 16 | 144118 | BRACKET, FERTILIZER PANEL | 4 | 4 |
| 17 | 144119 | PANEL, FERTILIZER DIVIDER | 3 | 3 |
| 18 | 144122 | COVER, FERTILIZER BOX | 3 | 3 |
| 19 | 144123 | NUT, SPRING 1/4-20 | 6 | 6 |
| 20 | 144124 | KNOB, PLASTIC 1/4-20 STUD | 6 | 6 |
| 21 | 144125 | PANEL, SEED BOX RIGHT | 1 | 1 |
| 22 | 144126 | PANEL, SEED BOX LEFT | 1 | 1 |
| 23 | 144127 | BRACKET, SEED BOX | 2 | 2 |
| 24 | 144133 | SHIELD ASSEMBLY, FILL 10' **(SEE PAGE 3-51)** | 1 | 1 |
| 25 | 144141 | STOP, LATCH | 1 | 1 |
| 26 | 144143 | SHAFT 5/8 SQ X 110 | 1 | 1 |
| 27 | 144146 | BEARING, FERTILIZER SHAFT | 2 | 2 |
| 28 | 144158 | HINGE, SEED BOX LID RIGHT | 1 | 1 |
| 29 | 144159 | HINGE, SEED BOX LID LEFT | 1 | 1 |
| 30 | 144183 | SPACER | 1 | 1 |
| 31 | 144268 | SCREW, FLANGE HEAD 5/16-18 X 3/4 | 128 | 120 |
| 32 | 151547 | SPACER, SEED BOX | 2 | 2 |
| 33 | 151578 | SHIELD, SPLASH GUARD | 1 | 1 |
| 34 | 151580 | LID, SEED BOX 10' | 1 | 1 |
| 35 | 151582 | SLEEVE | 2 | 2 |
| 36 | 151586 | SPROCKET, #40 X 35, 5/8 SQ | 1 | 1 |
| 37 | 153852 | FERTILIZER ASSEMBLY, 7.5" X 10' **(SEE PAGE 3-49)** | 1 | -- |
| 37 | 153853 | FERTILIZER ASSEMBLY, 10" X 10 **(SEE PAGE 3-49)** | -- | 1 |
| 38 | 154841 | SIGHT GLASS **(BEFORE 12-18-2018)** | 1 | 1 |
| 39 | 155840 | GAS SPRING | 2 | 2 |
| 40 | 159953 | DOOR, FERTILIZER 10’ | 1 | 1 |
| 41 | 161474 | MOUNT, LATCH | 1 | 1 |
| 42 | 161475 | HANDLE, LATCH | 1 | 1 |
| 43 | 161476 | BRACKET, SPRING MOUNT | 1 | 1 |
| 44 | 161477 | BRACKET, SPRING MOUNT LEFT | 1 | 1 |
| 45 | 168903 | GASKET, HINGE SEAL | 2 | 2 |
| 46 | 172703 | PLATE, COVER | 2 | 2 |

# Box Assembly W/Fertilizer 5211-10’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| 47 | 172734 | METER ASSEMBLY, 10' X 7.5" LEFT **(SEE PAGE 3-57)** | 1 | -- |
| 47 | 172740 | METER ASSY, 10'X10" RIGHT **(SEE PAGE 3-57)** | -- | 1 |
| 48 | 179776 | SCREW, FLANGE HEAD 3/8-16 X 3/4 | 8 | 8 |
| 49 | 1-512-010005-05 | NUT, HEX LOCK 3/8-16 GRB | 8 | 8 |
| 50 | ----- | SEED LEVEL INDICATOR **(AFTER 12-18-2018) (SEE PAGE 3-53)** | 1 | 1 |
| 51 | 25618 | STRIP, RUBBER, 1/8 | AR | AR |

# Seed Box Assembly, W/Fertilizer 5211-12-1/2’

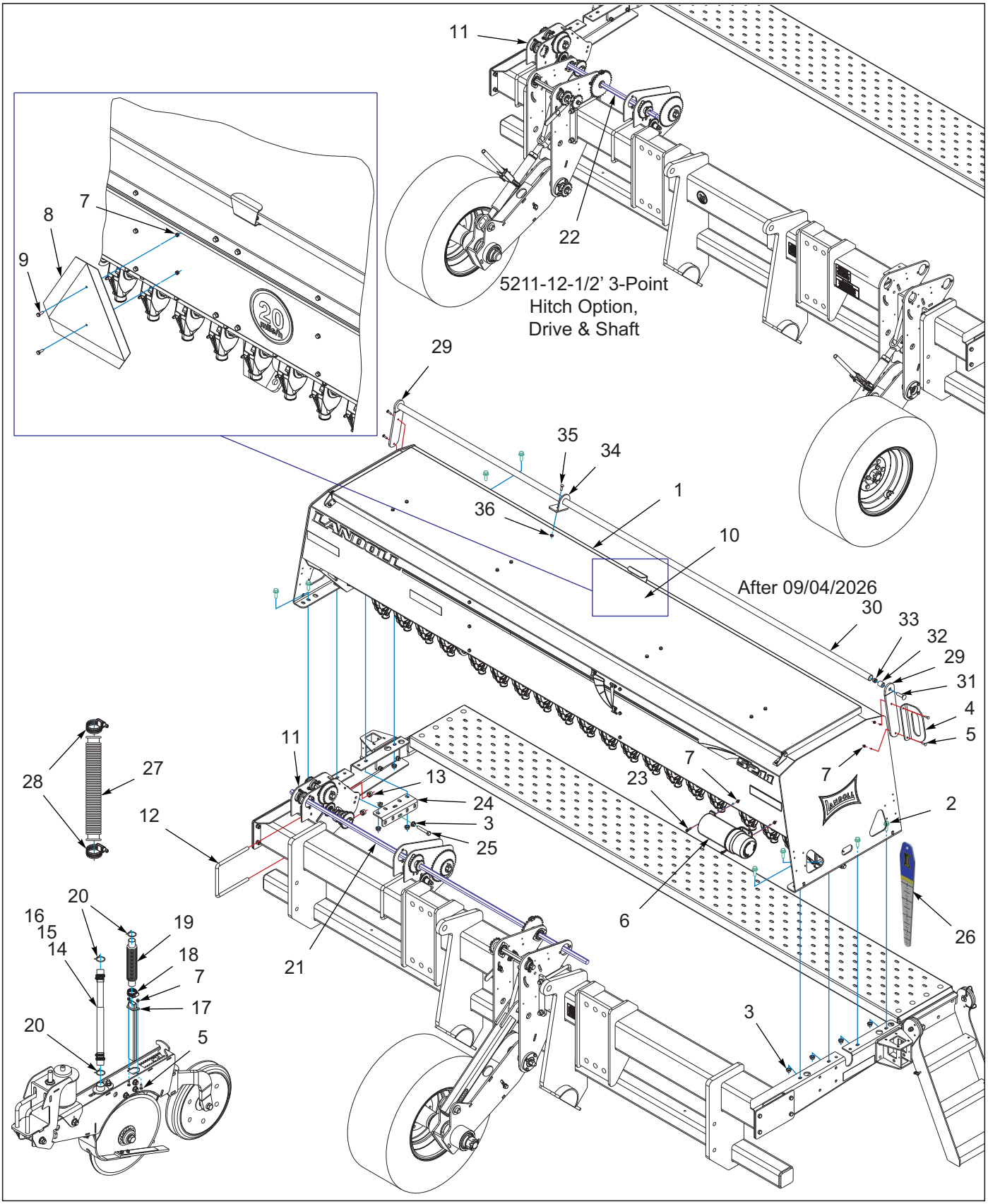



Figure 3-12: Seed Box Assembly, W/Fertilizer 5211-12-1/2’

# Seed Box Assembly, W/Fertilizer 5211-12-1/2’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 176538 | BOX ASSY 12.5' X 7.5" W/FERT | * | |
| -- | 176541 | BOX ASSY 12.5' X 10" W/FERT | | * |
| 1 | 214889 | BOX ASSY, 12-1/2'X7.5" W/FERT **(SEE PAGE 3-29)** | 1 | -- |
| 1 | 214892 | BOX ASSY, 12-1/2’X10" W/FERT **(SEE PAGE 3-29)** | -- | 1 |
| 2 | 1-655-010001-3 | SCREW, FLG HD 1/2-13X1-1/2 | 8 | 8 |
| 3 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 8 | 8 |
| 4 | 151540 | HANDLE, SEED BOX | 2 | 2 |
| 5 | 1-654-010158-02 | SCREW,RHD,SQ NCK 1/4-20UNCX1 | 42 | 32 |
| 6 | 150076 | MANUAL TUBE (4-1/4"ID) | 1 | 1 |
| 7 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 44 | 34 |
| 8 | 70260977 | SMV EMBLEM | 1 | 1 |
| 9 | 1-654-010047-04 | SCREW,HEX CAP,1/4-20X3/4 GR5 | 2 | 2 |
| 10 | 174397 | DECAL, FERILIZER RATE **(LOW) (SEE PAGE 7-1)** | 1 | 1 |
| 11 | 174407 | DRIVE ASSY, FERTILIZER RIGHT **(SEE PAGE 3-45)** | 1 | 1 |
| 12 | 70593063 | U-BOLT | 1 | 1 |
| 13 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 2 | 2 |
| 14 | 183921 | SEED TUBE ASSY, 10" 5211 **(USED ON AIR OPENER) (BEFORE 01/16/24) (SEE PAGE 3-55)** | 8 | 9 |
| 15 | 199340 | SEED TUBE ASSY, 11" 5211 **(USED ON AIR OPENER) (LONGEST GOES TO OUTER ENDS OF BOX) (BEFORE 01/16/24) (SEE PAGE 3-55)** | 8 | 9 |
| 16 | 199341 | SEED TUBE ASSY, 12" 5211 **(SEE PAGE 3-55) (LONGEST GOES TO OUTER ENDS OF BOX)** | 4 | -- |
| 17 | 176560 | TUBE, FERTILIZER | 20 | 15 |
| 18 | 42H16 | CLAMP, HOSE 1 IN | 20 | 15 |
| 19 | 144338 | HOSE, SEED | 20 | 15 |
| 20 | 144129 | CLAMP, HOSE #24 | 60 | 45 |
| 21 | 159055 | SHAFT, 7/8 HEX 85L | 1 | 1 |
| 22 | 161462 | SHAFT 7/8 HEX, 48L | 1 | 1 |
| 23 | 1-654-010047-06 | SCREW,HX CP 1/4-20UNCX1 GR5 | 2 | 2 |
| 24 | 176676 | BRACKET, STOP | 1 | 1 |
| 25 | 8-105-010006 | CAPSCREW 1/2X13X3 F THD GR5 | 1 | 1 |
| 26 | 213932 | SEED DEPTH TOOL INDICATOR | 1 | 1 |
| 27 | 252875 | HOSE, SEED TUBE **(USED ON AIR OPENER) (AFTER 01/16/24)** | 20 | 15 |
| 28 | 42H20 | CLAMP, HOSE 1-1/4 IN | 40 | 30 |
| 29 | 252824 | BRACKET, HAND RAIL **(AFTER 09/04/2026)** | 2 | 2 |
| 30 | 252821 | RAIL, HAND 134-1/2L **(AFTER 09/04/2026)** | 1 | 1 |
| 31 | 1-654-010070-05 | SCREW,RDHD SQNCK 1/2-13X2 GR5 **(AFTER 09/04/2026)** | 2 | 2 |
| 32 | 144183 | SPACER 1X9/16X1 **(AFTER 09/04/2026)** | 2 | 2 |
| 33 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB **(AFTER 09/04/2026)** | 2 | 2 |
| 34 | 252825 | BRACKET, HAND RAIL SUPPORT **(AFTER 09/04/2026)** | 1 | 1 |
| 35 | 104031 | SCREW,RDHD,SQNK 5/16-18X1 GR5 **(AFTER 09/04/2026)** | 1 | 1 |
| 36 | 126561 | NUT,FLG HD,SERRATED,5/16-18ZP **(AFTER 09/04/2026)** | 1 | 1 |

# Box Assembly W/Fertilizer 5211-12-1/2’

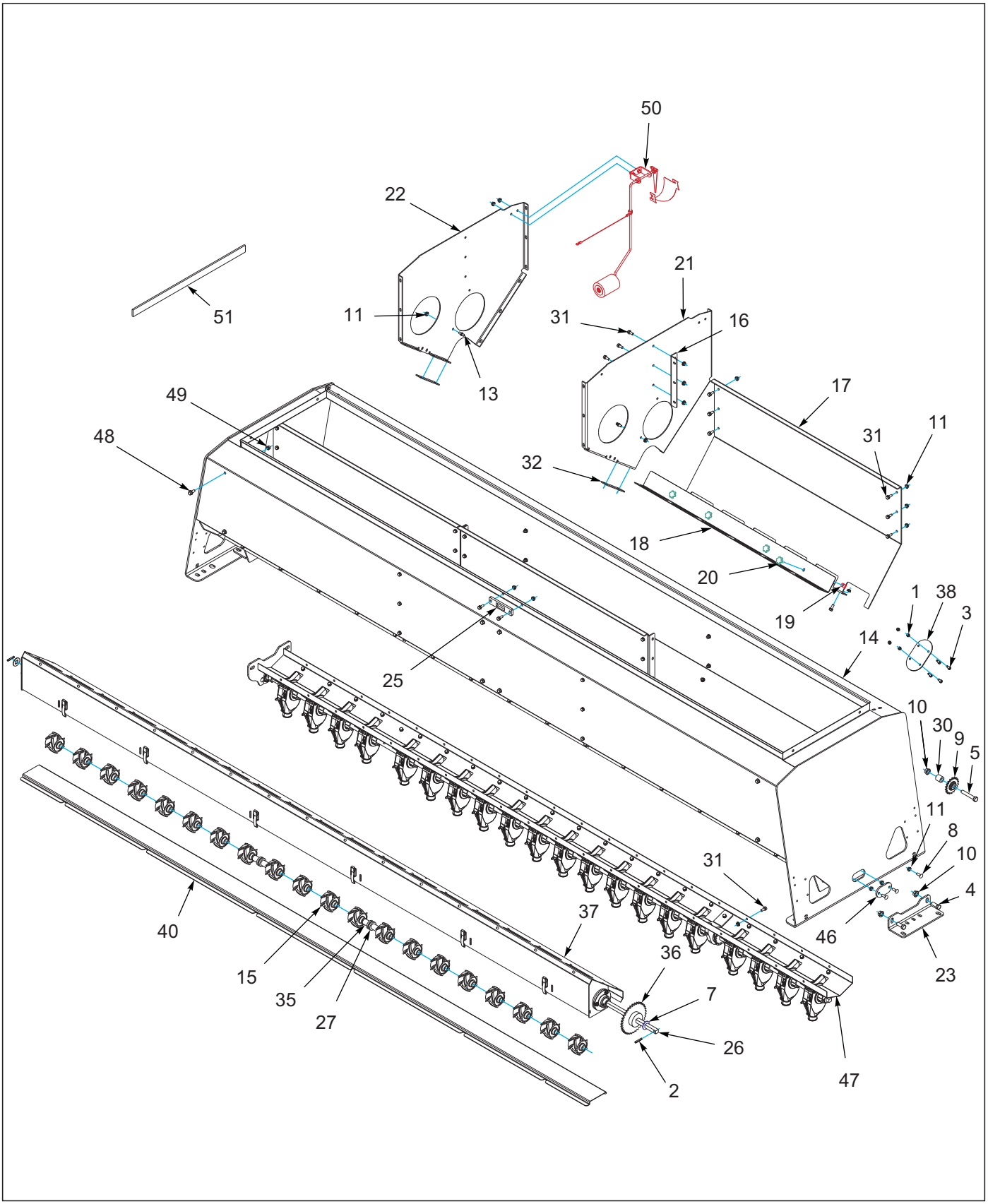



Figure 3-13: Box Assembly W/Fertilizer 5211-12-1/2’ (1 of 2)

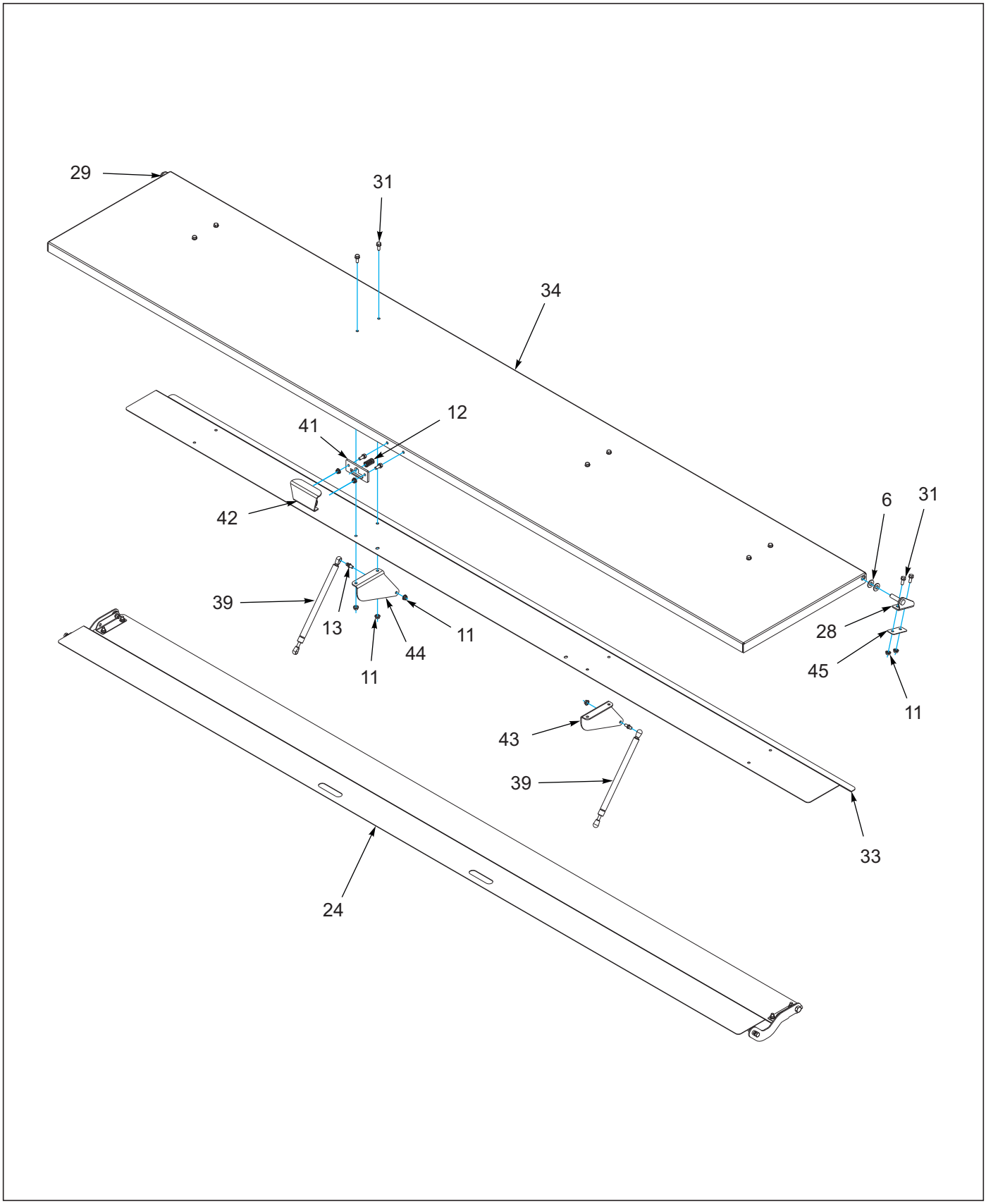



**Figure 3-14: Box Assembly W/Fertilizer 5211-12-1/2' (2 of 2)**

# Box Assembly W/Fertilizer 5211-12-1/2’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 214889 | BOX ASSY, 12-1/2'X7.5" W/FERT **(SHOWN)** | * | |
| -- | 214892 | BOX ASSY, 12-1/2"X10" W/FERT | | * |
| 1 | 1-512-010005-01 | NUT, HEX LOCK 1/4-20 GRB **(BEFORE 12-18-2018)** | 4 | 4 |
| 2 | 1-647-010004217 | SPRING PIN, SLOTTED 1/4 X 1-1/2 | 2 | 2 |
| 3 | 1-654-010047-04 | SCREW, HEX HEAD CAP 1/4-20 X 3/4 GR5 **(BEFORE 12-18-2018)** | 4 | 4 |
| 4 | 1-654-010055-02 | SCREW, HEX HEAD CAP 1/2-13 X 1-1/4 GR5 | 4 | 4 |
| 5 | 1-654-010055-09 | SCREW, HEX HEAD CAP 1/2-13 X 3 GR5 | 1 | 1 |
| 6 | 1-861-010032-14 | WASHER, FLAT 1/2N | 4 | 4 |
| 7 | 172700 | WASHER, 1.50 OD X .640 SQ | 2 | 2 |
| 8 | 104031 | SCREW, RD HEAD SQ NECK 5/16-18 X 1 | 8 | 8 |
| 9 | 122871 | SPROCKET, TRANSMISSION IDLER | 1 | 1 |
| 10 | 124971 | NUT, HEX FLANGE SPIRALOCK 1/2-13 | 5 | 5 |
| 11 | 126561 | NUT, FLANGE HEAD SERRATED 5/16-18 | 156 | 146 |
| 12 | 139692 | SPRING | 1 | 1 |
| 13 | 1401756 | BALL STUD | 4 | 4 |
| 14 | 159102 | BOX,SEED 12-1/2' WLDMT | 1 | 1 |
| 15 | 144105 | METER, FERTILIZER WHEEL | 20 | 15 |
| 16 | 144118 | BRACKET, FERTILIZER PANEL | 4 | 4 |
| 17 | 159898 | PANEL,FERT DIVIDER 44-1/8 | 3 | 3 |
| 18 | 159899 | COVER,FERTILIZER BOX 43-3/4 | 3 | 3 |
| 19 | 144123 | NUT, SPRING 1/4-20 | 12 | 12 |
| 20 | 144124 | KNOB, PLASTIC 1/4-20 STUD | 12 | 12 |
| 21 | 144125 | PANEL, SEED BOX RIGHT | 1 | 1 |
| 22 | 144126 | PANEL, SEED BOX LEFT | 1 | 1 |
| 23 | 144127 | BRACKET, SEED BOX | 2 | 2 |
| 24 | 159915 | SHIELD ASSY, FILL 12-1/2' **(SEE PAGE 3-51)** | 1 | 1 |
| 25 | 144141 | STOP, LATCH | 1 | 1 |
| 26 | 159897 | SHAFT, 5/8 SQ X 140 | 1 | 1 |
| 27 | 144146 | BEARING, FERTILIZER SHAFT | 2 | 2 |
| 28 | 144158 | HINGE, SEED BOX LID RIGHT | 1 | 1 |
| 29 | 144159 | HINGE, SEED BOX LID LEFT | 1 | 1 |
| 30 | 144183 | SPACER | 1 | 1 |
| 31 | 144268 | SCREW, FLANGE HEAD 5/16-18 X 3/4 | 144 | 134 |
| 32 | 151547 | SPACER, SEED BOX | 2 | 2 |
| 33 | 159095 | SHIELD,SPLASH GUARD 12-1/2' | 1 | 1 |
| 34 | 159094 | LID,SEED BOX 12-1/2' WLDMT29 | 1 | 1 |
| 35 | 151582 | SLEEVE | 2 | 2 |
| 36 | 151586 | SPROCKET, #40 X 35, 5/8 SQ | 1 | 1 |
| 37 | 159883 | FERTILIZER ASSY,12-1/2X7.5 **(SEE PAGE 3-49)** | 1 | -- |
| 37 | 159884 | FERTILIZER ASSY,12-1/2X10 **(SEE PAGE 3-49)** | -- | 1 |
| 38 | 154841 | SIGHT GLASS **(BEFORE 12-18-2018)** | 1 | 1 |
| 39 | 155840 | GAS SPRING | 2 | 2 |
| 40 | 159882 | DOOR, FERTILIZER 12-12' | 1 | 1 |
| 41 | 161474 | MOUNT, LATCH | 1 | 1 |
| 42 | 161475 | HANDLE, LATCH | 1 | 1 |
| 43 | 161476 | BRACKET, SPRING MOUNT RIGHT | 1 | 1 |
| 44 | 161477 | BRACKET, SPRING MOUNT LEFT | 1 | 1 |
| 45 | 168903 | GASKET, HINGE SEAL | 2 | 2 |
| 46 | 172703 | PLATE, COVER | 2 | 2 |

# Box Assembly W/Fertilizer 5211-12-1/2’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| 47 | 208216 | METER ASSY, 12-1/2'X7.5" **(SEE PAGE 3-59)** | 1 | -- |
| 47 | 208284 | METER ASSY, 12-1/2'X10" **(SEE PAGE 3-59)** | -- | 1 |
| 48 | 179776 | SCREW, FLANGE HEAD 3/8-16 X 3/4 | 8 | 8 |
| 49 | 1-512-010005-05 | NUT, HEX LOCK 3/8-16 GRB | 8 | 8 |
| 50 | ----- | SEED LEVEL INDICATOR **(AFTER 12-18-2018) (SEE PAGE 3-53)** | 1 | 1 |
| 51 | 25618 | STRIP, RUBBER, 1/8 | AR | AR |

# Seed Box Assembly, W/Fertilizer 5211-15’

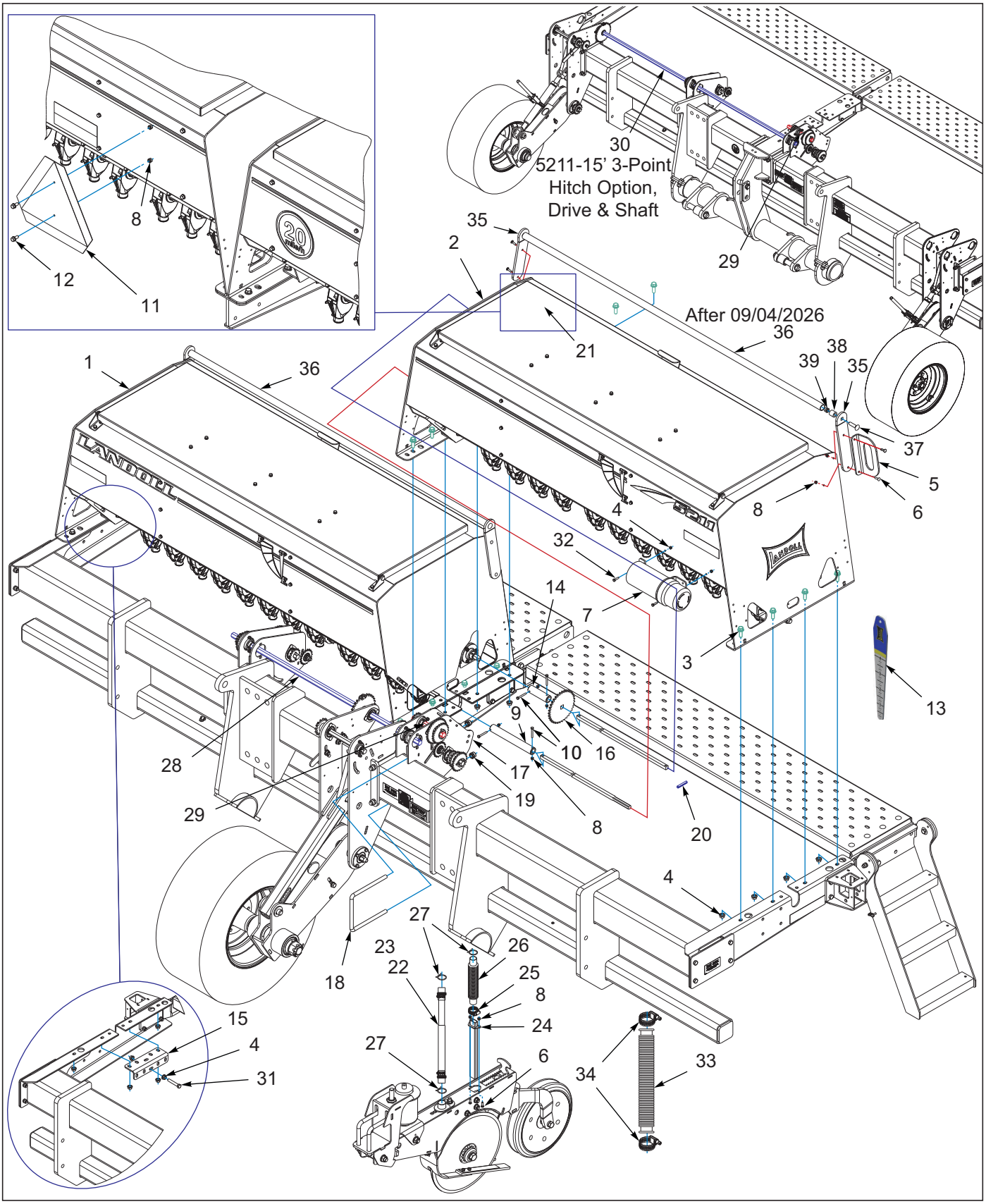



Figure 3-15: Seed Box Assembly, W/Fertilizer 5211-15’

# Seed Box Assembly, W/Fertilizer 5211-15’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 176543 | BOX ASSY 15" X 7.5" W/FERT | * | |
| -- | 176546 | BOX ASSY 15' X10" W/FERT | | * |
| 1 | 174500 | BOX ASSY 7-1/2'X7.5" WF RIGHT **(SEE PAGE 3-35)** | 1 | -- |
| 1 | 243768 | BOX ASSY 7-1/2' X 10" WF RIGHT **(SEE PAGE 3-35)** | -- | 1 |
| 2 | 174501 | BOX ASSY 7-1/2' X 7.5" WF LEFT **(SEE PAGE 3-35)** | 1 | -- |
| 2 | 199329 | BOX ASSY 7-1/2'X10" WF RIGHT **(SEE PAGE 3-35)** | -- | 1 |
| 3 | 1-655-010001-3 | SCREW, FLG HD 1/2-13X1-1/2 | 16 | 16 |
| 4 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 18 | 18 |
| 5 | 151540 | HANDLE, SEED BOX | 2 | 2 |
| 6 | 1-654-010158-02 | SCREW,RHD,SQ NCK 1/4-20UNCX1 | 50 | 38 |
| 7 | 150076 | MANUAL TUBE (4-1/4"ID) | 1 | 1 |
| 8 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 56 | 44 |
| 9 | 154827 | COUPLER SHAFT 10-1/2" | 1 | 1 |
| 10 | 1-654-010047-10 | SCREW,HX CP,1/4-20UNC X2 GR5 | 2 | 2 |
| 11 | 70260977 | SMV EMBLEM | 1 | 1 |
| 12 | 1-654-010047-04 | SCREW,HEX CAP,1/4-20X3/4 GR5 | 2 | 2 |
| 13 | 213932 | SEED DEPTH TOOL INDICATOR | 1 | 1 |
| 14 | 154837 | COUPLER, SHAFT 4-3/4" | 1 | 1 |
| 15 | 176676 | BRACKET, STOP | 1 | 1 |
| 16 | 151586 | SPROCKET #40 X 35, 5/8 SQ | 1 | 1 |
| 17 | 174407 | DRIVE ASSY, FERTILIZER RIGHT **(SEE PAGE 3-45)** | 1 | 1 |
| 18 | 70593063 | U-BOLT | 1 | 1 |
| 19 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 2 | 2 |
| 20 | 1-647-010004217 | SPRING PIN, SLOTTED 1/4X1-1/2 | 2 | 2 |
| 21 | 174397 | DECAL, FERILIZER RATE **(LOW) (SEE PAGE 7-1)** | 1 | 1 |
| 22 | 183921 | SEED TUBE ASSY, 10" 5211 **(USED ON AIR OPENER) (BEFORE 01/16/24) (SEE PAGE 3-55)** | 18 | 12 |
| 23 | 199340 | SEED TUBE ASSY, 11" 5211 **(USED ON AIR OPENER) (LONGEST GOES TO OUTER ENDS OF BOX) (BEFORE 01/16/24) (SEE PAGE 3-55)** | 6 | 6 |
| 24 | 176560 | TUBE, FERTILIZER | 24 | 18 |
| 25 | 42H16 | CLAMP, HOSE 1 IN | 24 | 18 |
| 26 | 144338 | HOSE, SEED | 24 | 18 |
| 27 | 144129 | CLAMP, HOSE #24 | 72 | 54 |
| 28 | 161462 | SHAFT 7/8 HEX, 48L | 1 | 1 |
| 29 | 144222 | SHAFT, 7/8 HEX, 10L | 1 | 1 |
| 30 | 159055 | SHAFT, 7/8 HEX 85L | 1 | 1 |
| 31 | 8-105-010006 | CAPSCREW 1/2X13X3 F THD GR5 | 1 | 1 |
| 32 | 1-654-010047-06 | SCREW,HX CP 1/4-20UNCX1 GR5 | 2 | 2 |
| 33 | 252875 | HOSE, SEED TUBE **(USED ON AIR OPENER) (AFTER 01/16/24)** | 24 | 18 |
| 34 | 42H20 | CLAMP, HOSE 1-1/4 IN | 48 | 36 |
| 35 | 252824 | BRACKET, HAND RAIL **(AFTER 09/04/2026)** | 4 | 4 |
| 36 | 252822 | RAIL, HAND 77-1/8 L **(AFTER 09/04/2026)** | 2 | 2 |
| 37 | 1-654-010070-05 | SCREW,RDHD SQNCK 1/2-13X2 GR5 **(AFTER 09/04/2026)** | 4 | 4 |
| 38 | 144183 | SPACER 1X9/16X1 **(AFTER 09/04/2026)** | 4 | 4 |
| 39 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB **(AFTER 09/04/2026)** | 4 | 4 |

# Box Assembly W/Fertilizer 5211-15’

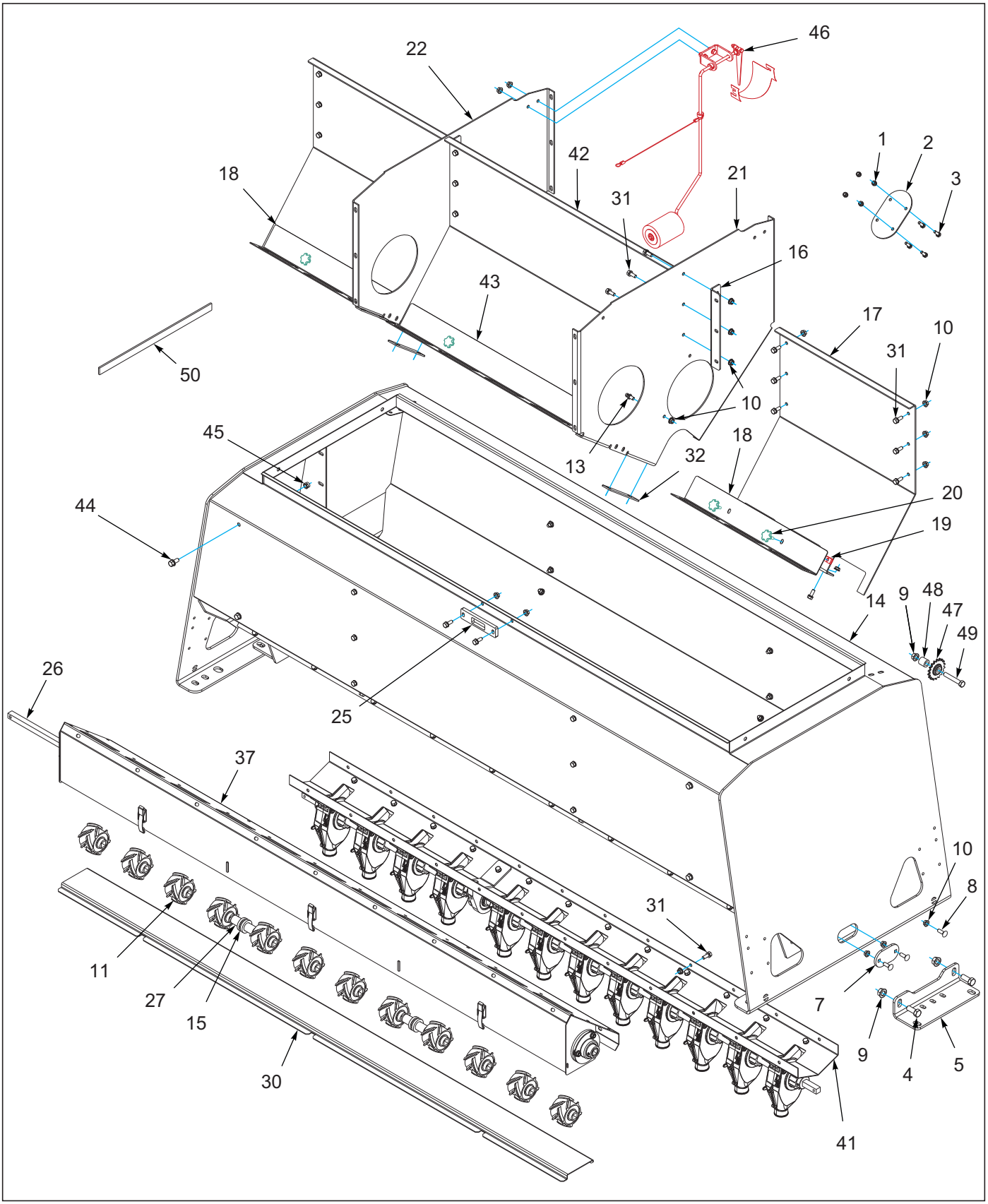



Figure 3-16: Box Assembly W/Fertilizer 5211-15’ (1 of 2)

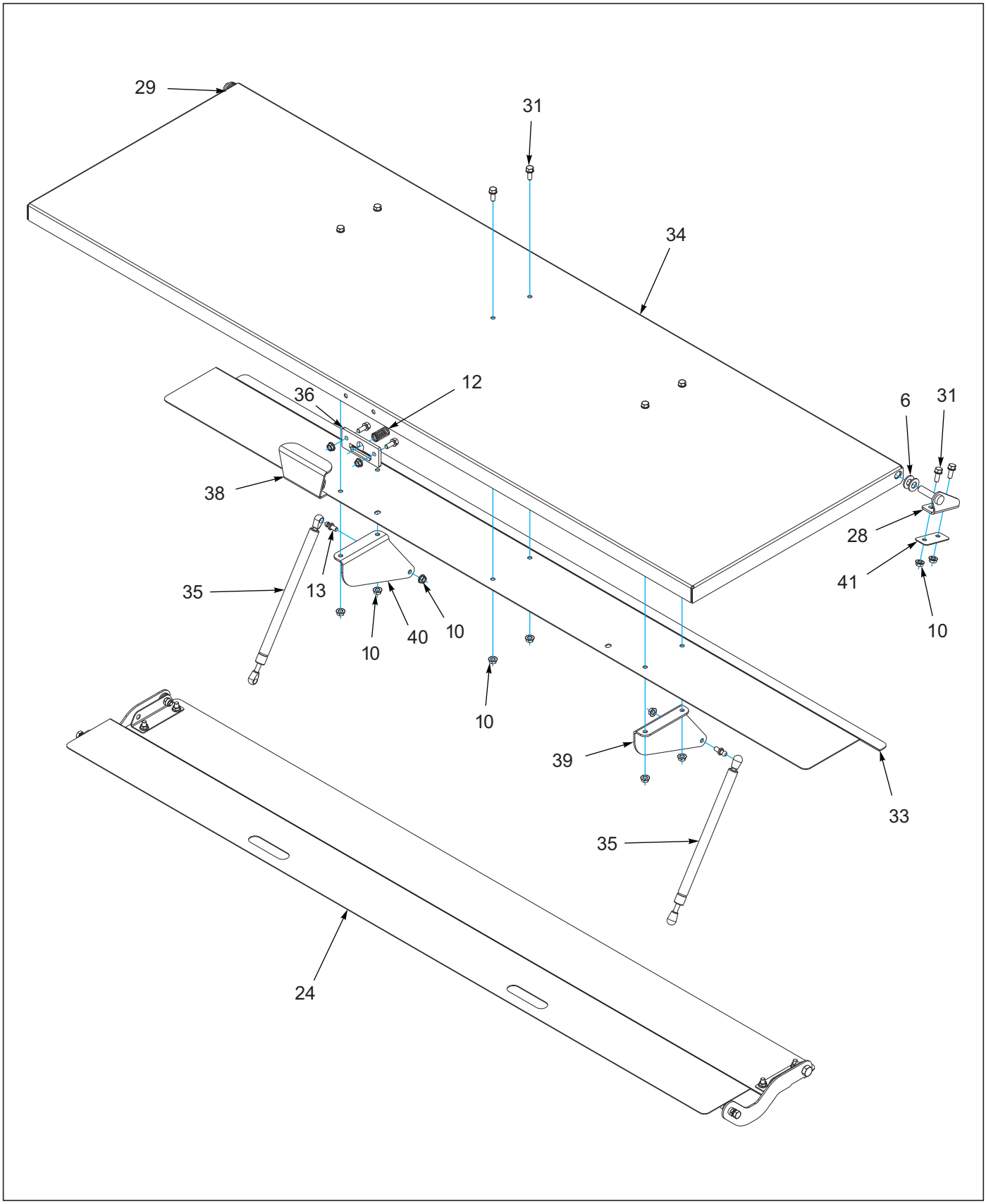



**Figure 3-17: Box Assembly W/Fertilizer 5211-15' (2 of 2)**

# Box Assembly W/Fertilizer 5211-15’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | |
|---|---|---|---|---|---|---|
| -- | 174500 | BOX ASSY 7-1/2'X7.5" WF RIGHT**(SHOWN)** | * | | | |
| -- | 174501 | BOX ASSY 7-1/2' X 7.5" WF LEFT | | * | | |
| -- | 243768 | BOX ASSY 7-1/2' X 10" WF RIGHT | | | * | |
| -- | 199329 | BOX ASSY 7-1/2'X10" WF RIGHT | | | | * |
| 1 | 1-512-010005-01 | NUT, HEX LOCK 1/4-20 GRB **(BEFORE 12-18-2018)** | 4 | 4 | 4 | 4 |
| 2 | 154841 | SIGHT GLASS **(BEFORE 12-18-2018)** | 1 | 1 | 1 | 1 |
| 3 | 1-654-010047-04 | SCREW, HEX HEAD CAP 1/4-20 X 3/4 GR5 **(BEFORE 12-18-2018)** | 4 | 4 | 4 | 4 |
| 4 | 1-654-010055-02 | SCREW, HEX HEAD CAP 1/2-13 X 1-1/4 GR5 | 4 | 4 | 4 | 4 |
| 5 | 144127 | BRACKET, SEED BOX | 2 | 2 | 2 | 2 |
| 6 | 1-861-010032-14 | WASHER, FLAT 1/2N | 4 | 4 | 4 | 4 |
| 7 | 172703 | PLATE, COVER | 2 | 2 | 2 | 2 |
| 8 | 104031 | SCREW, RD HEAD SQ NECK 5/16-18 X 1 | 8 | 8 | 8 | 8 |
| 9 | 124971 | NUT, HEX FLANGE SPIRALOCK 1/2-13 | 5 | 6 | 5 | 6 |
| 10 | 126561 | NUT, FLANGE HEAD SERRATED 5/16-18 | 125 | 125 | 119 | 119 |
| 11 | 144105 | METER, FERTILIZER WHEEL | 12 | 12 | 9 | 9 |
| 12 | 139692 | SPRING | 1 | 1 | 1 | 1 |
| 13 | 1401756 | BALL STUD | 4 | 4 | 4 | 4 |
| 14 | 154842 | BOX, SEED 7-1/2" WLDMT | 1 | 1 | 1 | 1 |
| 15 | 144146 | BEARING, FERTILIZER SHAFT | 2 | 2 | 2 | 2 |
| 16 | 144118 | BRACKET, FERTILIZER PANEL | 4 | 4 | 4 | 4 |
| 17 | 154838 | PANEL, FERT DIVIDER 20-1/2" | 2 | 2 | 2 | 2 |
| 18 | 154839 | COVER, FERTILIZER BOX 20" | 2 | 2 | 2 | 2 |
| 19 | 144123 | NUT, SPRING 1/4-20 | 6 | 6 | 6 | 6 |
| 20 | 144124 | KNOB, PLASTIC 1/4-20 STUD | 6 | 6 | 6 | 6 |
| 21 | 144125 | PANEL, SEED BOX RIGHT | 1 | 1 | 1 | 1 |
| 22 | 144126 | PANEL, SEED BOX LEFT | 1 | 1 | 1 | 1 |
| 23 | 168903 | GASKET, HINGE SEAL | 2 | 2 | 2 | 2 |
| 24 | 154872 | SHIELD ASSY FILL 7-1/2' **(SEE PAGE 3-51)** | 1 | 1 | 1 | 1 |
| 25 | 144141 | STOP, LATCH | 1 | 1 | 1 | 1 |
| 26 | 154836 | SHAFT, 5/8 SQ X 83 | 1 | 1 | 1 | 1 |
| 27 | 151582 | SLEEVE | 2 | 2 | 2 | 2 |
| 28 | 144158 | HINGE, SEED BOX LID RIGHT | 1 | 1 | 1 | 1 |
| 29 | 144159 | HINGE, SEED BOX LID LEFT | 1 | 1 | 1 | 1 |
| 30 | 159952 | DOOR, FERTILIZER 7-1/2' | 1 | 1 | 1 | 1 |
| 31 | 144268 | SCREW, FLANGE HEAD 5/16-18 X 3/4 | 113 | 113 | 107 | 107 |
| 32 | 151547 | SPACER, SEED BOX | 2 | 2 | 2 | 2 |
| 33 | 153869 | SHIELD, SPLASH GUARD 7-1/2' | 1 | 1 | 1 | 1 |
| 34 | 153871 | LID, SEED BOX 7-1/2' WLDMT | 1 | 1 | 1 | 1 |
| 35 | 155840 | GAS SPRING | 2 | 2 | 2 | 2 |
| 36 | 161474 | MOUNT, LATCH | 1 | 1 | 1 | 1 |
| 37 | 154828 | FERTILIZER ASSY 7.5" X 7-1/2' **(SEE PAGE 3-49)** | 1 | 1 | -- | -- |
| 37 | 154829 | FERTILIZER ASSY 10" X 7-1/2' **(SEE PAGE 3-49)** | -- | -- | 1 | 1 |
| 38 | 161475 | HANDLE, LATCH | 1 | 1 | 1 | 1 |
| 39 | 161476 | BRACKET, SPRING MOUNT RIGHT | 1 | 1 | 1 | 1 |
| 40 | 161477 | BRACKET, SPRING MOUNT LEFT | 1 | 1 | 1 | 1 |
| 41 | 218426 | METER ASSY, 7-1/2'X7.5" RT **(SEE PAGE 3-61)** | 1 | -- | -- | -- |
| 41 | 218427 | METER ASSY, 7-1/2'X7.5" LT **(SEE PAGE 3-61)** | -- | 1 | -- | -- |
| 41 | 243769 | METER ASSY, 7-1/2' X 10" RIGHT **(SEE PAGE 3-61)** | -- | -- | 1 | -- |

# Box Assembly W/Fertilizer 5211-15’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | |
|---|---|---|---|---|---|---|
| 41 | 199330 | METER ASSY, 7-1/2'X10" RIGHT **(SEE PAGE 3-61)** | -- | -- | -- | 1 |
| 42 | 144119 | PANEL, FERTILIZER DIVIDER | 1 | 1 | 1 | 1 |
| 43 | 144122 | COVER, FERTILIZER BOX | 1 | 1 | 1 | 1 |
| 44 | 179776 | SCREW, FLANGE HEAD 3/8-16 X 3/4 | 8 | 8 | 8 | 8 |
| 45 | 1-512-010005-05 | NUT, HEX LOCK 3/8-16 GRB | 8 | 8 | 8 | 8 |
| 46 | ----- | SEED LEVEL INDICATOR **(AFTER 12-18-2018) (SEE PAGE 3-53)** | 1 | 1 | 1 | 1 |
| 47 | 122871 | SPROCKET, TRANSMISSION IDLER | -- | 1 | -- | 1 |
| 48 | 144183 | SPACER | -- | 1 | -- | 1 |
| 49 | 1-654-010055-09 | SCREW, HEX HEAD CAP 1/2-13 X 3 GR5 | -- | 1 | -- | 1 |
| 50 | 25618 | STRIP, RUBBER, 1/8 | AR | AR | AR | AR |

# Seed Box Assembly, W/Fertilizer 5211-20’

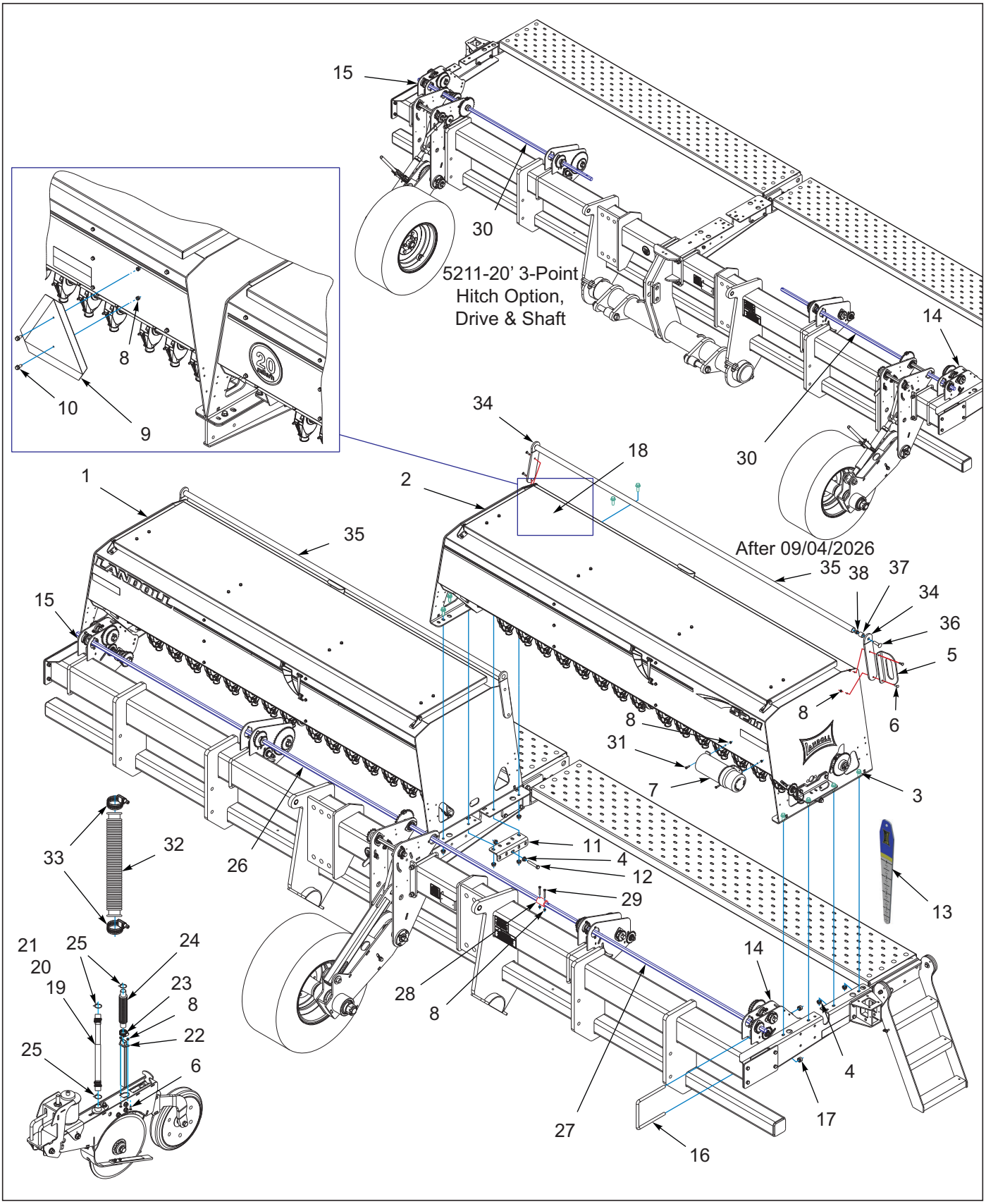



Figure 3-18: Seed Box Assembly, W/Fertilizer 5211-20’

# Seed Box Assembly, W/Fertilizer 5211-20’

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 176548 | BOX ASSY 20' X 7.5" W/FERT | |
| 1 | 179782 | BOX ASSY 10' X 7.5" WF RIGHT **(SEE PAGE 3-41)** | 1 |
| 2 | 179783 | BOX ASSY 10' X 7.5" WF LEFT **(SEE PAGE 3-41)** | 1 |
| 3 | 1-655-010001-3 | SCREW, FLG HD 1/2-13X1-1/2 | 16 |
| 4 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 16 |
| 5 | 151540 | HANDLE, SEED BOX | 1 |
| 6 | 1-654-010158-02 | SCREW,RHD,SQ NCK 1/4-20UNCX1 | 66 |
| 7 | 150076 | MANUAL TUBE (4-1/4"ID) | 1 |
| 8 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 50 |
| 9 | 70260977 | SMV EMBLEM | 1 |
| 10 | 1-654-010047-04 | SCREW,HEX CAP,1/4-20X3/4 GR5 | 2 |
| 11 | 176676 | BRACKET, STOP | 1 |
| 12 | 8-105-010006 | CAPSCREW 1/2X13X3 F THD GR5 | 1 |
| 13 | 213932 | SEED DEPTH TOOL INDICATOR | 1 |
| 14 | 174408 | DRIVE ASSY, FERTILIZER LEFT **(SEE PAGE 3-47)** | 1 |
| 15 | 174407 | DRIVE ASSY, FERTILIZER RIGHT **(SEE PAGE 3-45)** | 1 |
| 16 | 70593063 | U-BOLT | 2 |
| 17 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 4 |
| 18 | 174397 | DECAL, FERILIZER RATE **(LOW) (SEE PAGE 7-1)** | 1 |
| 19 | 183921 | SEED TUBE ASSY, 10" 5211 **(USED ON AIR OPENER) (BEFORE 01/16/24) (SEE PAGE 3-55)** | 20 |
| 20 | 199340 | SEED TUBE ASSY, 11" 5211 **(USED ON AIR OPENER) (LONGEST GOES TO OUTER ENDS OF BOX) (BEFORE 01/16/24) (SEE PAGE 3-55)** | 8 |
| 21 | 199341 | SEED TUBE ASSY, 12" 5211 **(SEE PAGE 3-55)** (LONGEST GOES TO OUTER ENDS OF BOX) | 4 |
| 22 | 176560 | TUBE, FERTILIZER | 32 |
| 23 | 42H16 | CLAMP, HOSE 1 IN | 32 |
| 24 | 144338 | HOSE, SEED | 32 |
| 25 | 144129 | CLAMP, HOSE #24 | 96 |
| 26 | 154869 | SHAFT, 7/8 HEX, 140 L | 1 |
| 27 | 159055 | SHAFT, 7/8 HEX 85L | 1 |
| 28 | 122853 | COUPLER, DRIVE SHAFT | 1 |
| 29 | 1-654-010047-10 | SCREW,HX CP,1/4-20UNC X2 GR5 | 2 |
| 30 | 144181 | SHAFT, 7/8 HEX, 72-1/4 L | 2 |
| 31 | 1-654-010047-06 | SCREW,HX CP 1/4-20UNCX1 GR5 | 2 |
| 32 | 252875 | HOSE, SEED TUBE **(USED ON AIR OPENER) (AFTER 01/16/24)** | 32 |
| 33 | 42H20 | CLAMP, HOSE 1-1/4 IN | 64 |
| 34 | 252824 | BRACKET, HAND RAIL **(AFTER 09/04/2026)** | 4 |
| 35 | 252823 | RAIL, HAND 104-5/16 LL **(AFTER 09/04/2026)** | 2 |
| 36 | 1-654-010070-05 | SCREW,RDHD SQNCK 1/2-13X2 GR5 **(AFTER 09/04/2026)** | 4 |
| 37 | 144183 | SPACER 1X9/16X1 **(AFTER 09/04/2026)** | 4 |
| 38 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB **(AFTER 09/04/2026)** | 4 |

# Box Assembly W/Fertilizer 5211-20’

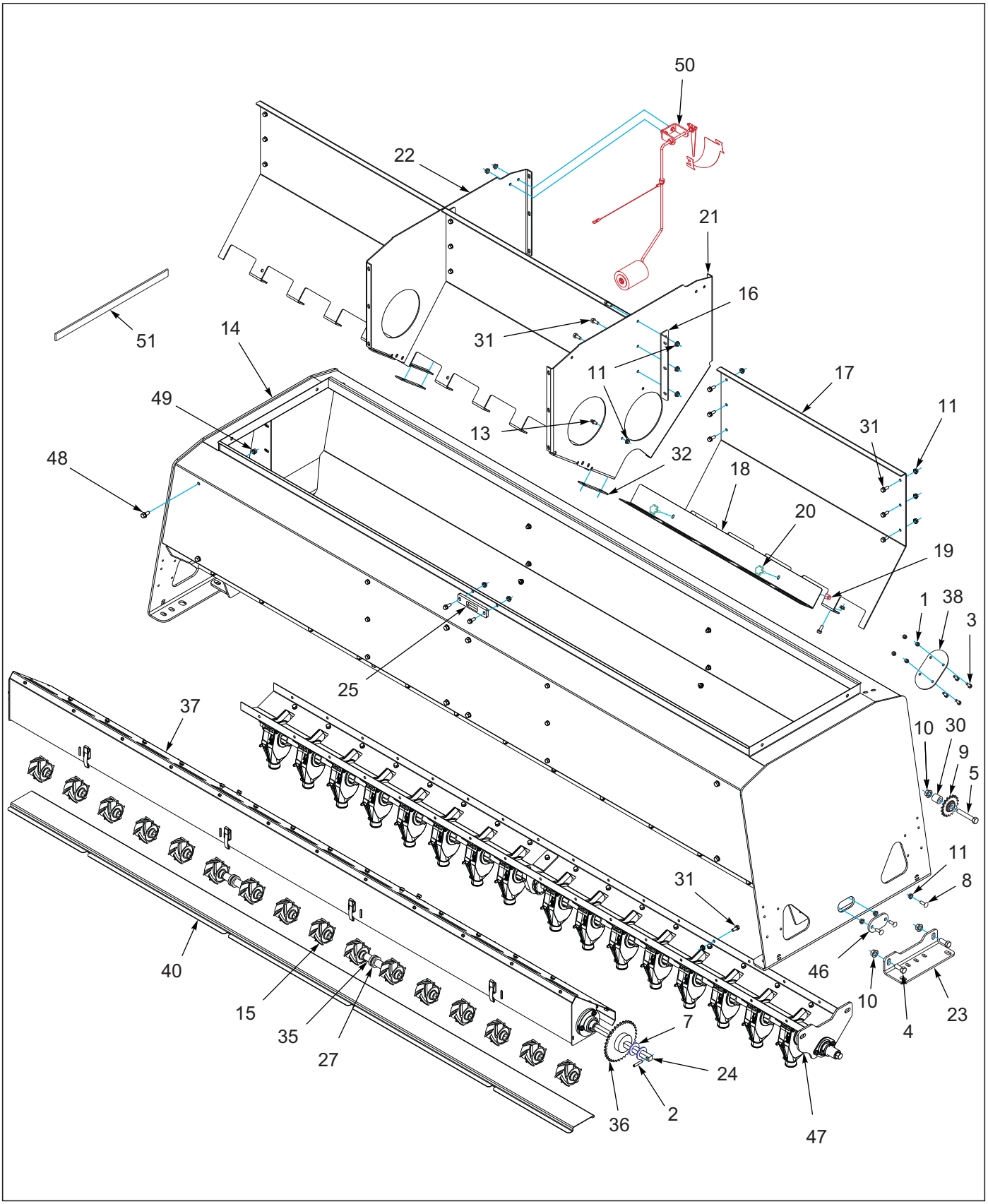



Figure 3-19: Box Assembly W/Fertilizer 5211-20’ (1 of 2)

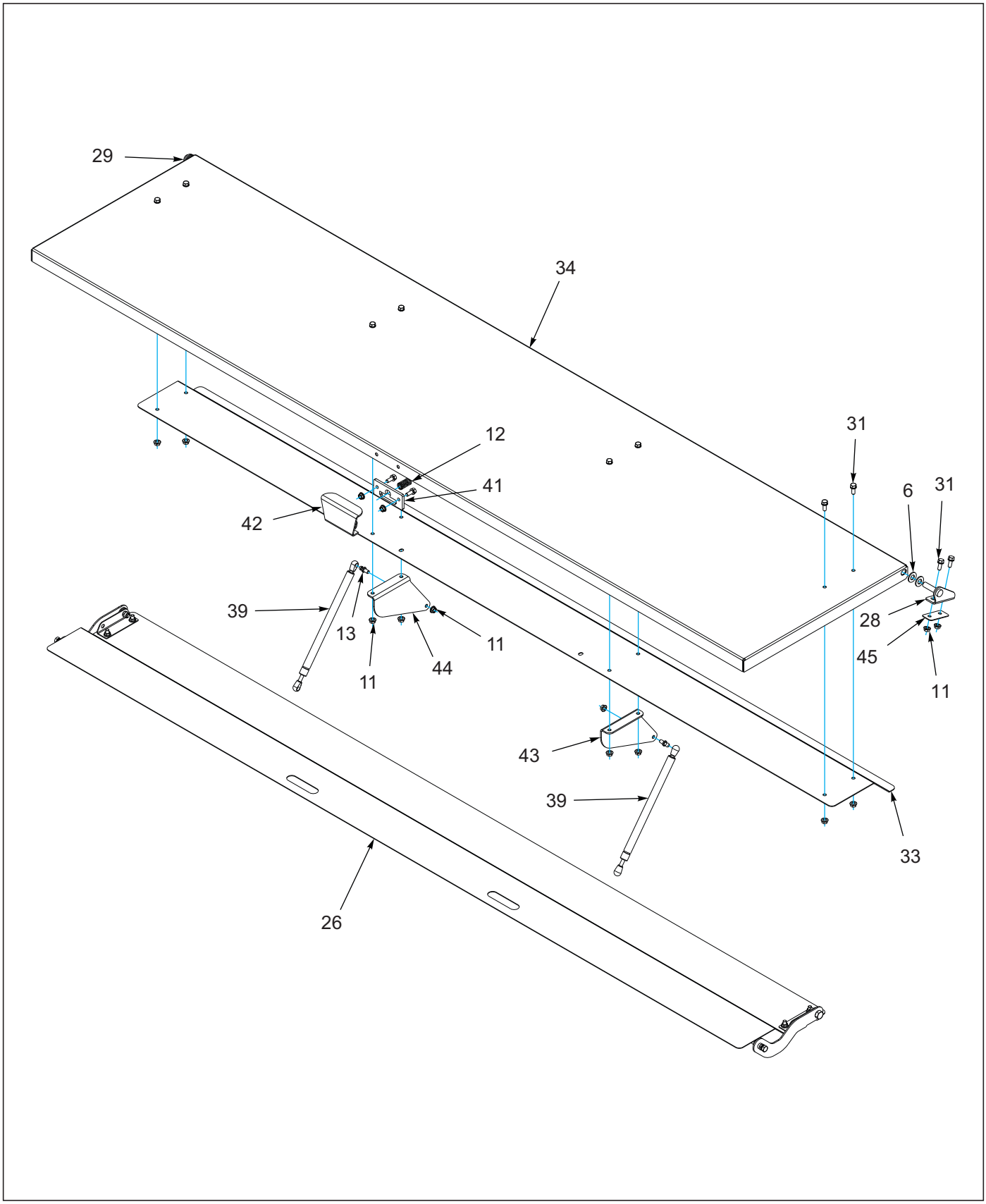



**Figure 3-20: Box Assembly W/Fertilizer 5211-20' (2 of 2)**

# Box Assembly W/Fertilizer 5211-20’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 179782 | BOX ASSY 10' X 7.5" WF RIGHT **(SHOWN)** | * | |
| -- | 179783 | BOX ASSY 10' X 7.5" WF LEFT | | * |
| 1 | 1-512-010005-01 | NUT, HEX LOCK 1/4-20 GRB **(BEFORE 12-18-2018)** | 4 | 4 |
| 2 | 1-647-010004217 | SPRING PIN, SLOTTED 1/4 X 1-1/2 | 2 | 2 |
| 3 | 1-654-010047-04 | SCREW, HEX HEAD CAP 1/4-20 X 3/4 GR5 **(BEFORE 12-18-2018)** | 4 | 4 |
| 4 | 1-654-010055-02 | SCREW, HEX HEAD CAP 1/2-13 X 1-1/4 GR5 | 4 | 4 |
| 5 | 1-654-010055-09 | SCREW, HEX HEAD CAP 1/2-13 X 3 GR5 | 1 | 1 |
| 6 | 1-861-010032-14 | WASHER, FLAT 1/2N | 4 | 4 |
| 7 | 1-861-010032-22 | WASHER, FLAT 7/8 | 2 | 2 |
| 8 | 104031 | SCREW, RD HEAD SQ NECK 5/16-18 X 1 | 8 | 8 |
| 9 | 122871 | SPROCKET, TRANSMISSION IDLER | 1 | 1 |
| 10 | 124971 | NUT, HEX FLANGE SPIRALOCK 1/2-13 | 5 | 5 |
| 11 | 126561 | NUT, FLANGE HEAD SERRATED 5/16-18 | 140 | 140 |
| 12 | 139692 | SPRING | 1 | 1 |
| 13 | 1401756 | BALL STUD | 4 | 4 |
| 14 | 143932 | BOX, SEED WLDMT | 1 | 1 |
| 15 | 144105 | METER, FERTILIZER WHEEL | 16 | 16 |
| 16 | 144118 | BRACKET, FERTILIZER PANEL | 4 | 4 |
| 17 | 144119 | PANEL, FERTILIZER DIVIDER | 3 | 3 |
| 18 | 144122 | COVER, FERTILIZER BOX | 3 | 3 |
| 19 | 144123 | NUT, SPRING 1/4-20 | 6 | 6 |
| 20 | 144124 | KNOB, PLASTIC 1/4-20 STUD | 6 | 6 |
| 21 | 144125 | PANEL, SEED BOX RIGHT | 1 | 1 |
| 22 | 144126 | PANEL, SEED BOX LEFT | 1 | 1 |
| 23 | 144127 | BRACKET, SEED BOX | 2 | 2 |
| 24 | 144143 | SHAFT, 5/8 SQ X 110 | 1 | 1 |
| 25 | 144141 | STOP, LATCH | 1 | 1 |
| 26 | 144133 | SHIELD ASSY FILL 10' **(SEE PAGE 3-51)** | 1 | 1 |
| 27 | 144146 | BEARING, FERTILIZER SHAFT | 2 | 2 |
| 28 | 144158 | HINGE, SEED BOX LID RIGHT | 1 | 1 |
| 29 | 144159 | HINGE, SEED BOX LID LEFT | 1 | 1 |
| 30 | 144183 | SPACER | 1 | 1 |
| 31 | 144268 | SCREW, FLANGE HEAD 5/16-18 X 3/4 | 130 | 130 |
| 32 | 151547 | SPACER, SEED BOX | 2 | 2 |
| 33 | 151578 | SHIELD,SPLASH GUARD | 1 | 1 |
| 34 | 151580 | LID, SEED BOX 10' WLDMT | 1 | 1 |
| 35 | 151582 | SLEEVE | 2 | 2 |
| 36 | 151586 | SPROCKET, #40 X 35, 5/8 SQ | 1 | 1 |
| 37 | 153852 | FERTILIZER ASSY, 7.5" X 10' **(SEE PAGE 3-49)** | 1 | 1 |
| 38 | 154841 | SIGHT GLASS **(BEFORE 12-18-2018)** | 1 | 1 |
| 39 | 155840 | GAS SPRING | 2 | 2 |
| 40 | 159953 | DOOR, FERTILIZER 10' | 1 | 1 |
| 41 | 161474 | MOUNT, LATCH | 1 | 1 |
| 42 | 161475 | HANDLE, LATCH | 1 | 1 |
| 43 | 161476 | BRACKET, SPRING MOUNT RIGHT | 1 | 1 |
| 44 | 161477 | BRACKET, SPRING MOUNT LEFT | 1 | 1 |
| 45 | 168903 | GASKET, HINGE SEAL | 2 | 2 |
| 46 | 172703 | PLATE, COVER | 2 | 2 |

# Box Assembly W/Fertilizer 5211-20’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| 47 | 174492 | METER ASSY 10'X7.5" RIGHT **(SEE PAGE 3-63)** | 1 | -- |
| 47 | 174493 | METER ASSY 10'X7.5" LEFT **(SEE PAGE 3-63)** | -- | 1 |
| 48 | 179776 | SCREW, FLANGE HEAD 3/8-16 X 3/4 | 8 | 8 |
| 49 | 1-512-010005-05 | NUT, HEX LOCK 3/8-16 GRB | 8 | 8 |
| 50 | ----- | SEED LEVEL INDICATOR **(AFTER 12-18-2018) (SEE PAGE 3-53)** | 1 | 1 |

# Fertilizer Drive Assembly, Right

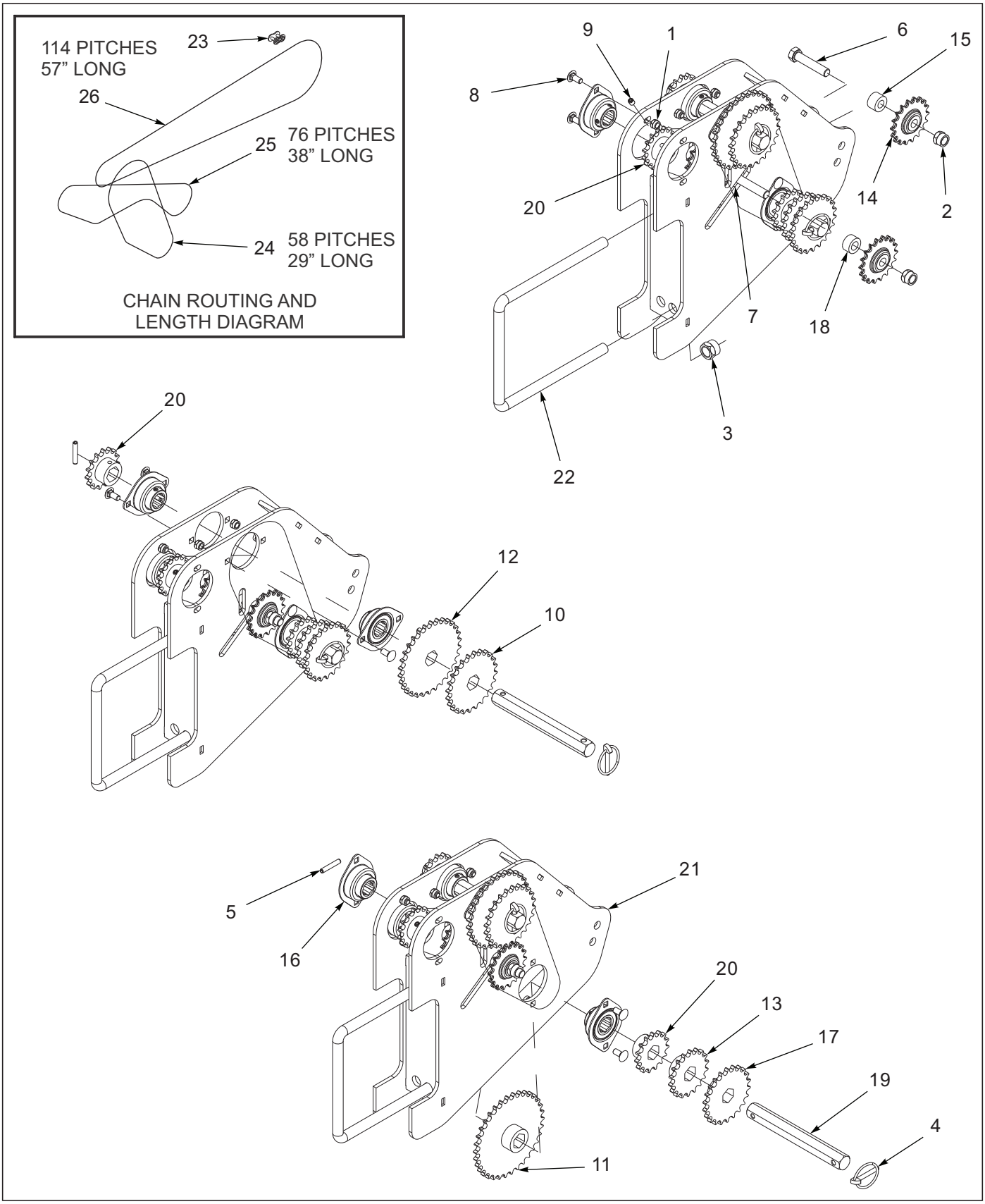



Figure 3-21: Fertilizer Drive Assembly, Right

# Fertilizer Drive Assembly, Right

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| - - | 174407 | DRIVE ASSY, FERTILIZER RIGHT | |
| 1 | 1-512-010005-03 | NUT, HEX LOCK 5/16-18 GRB | 10 |
| 2 | 1-512-010005-09 | NUT, HEX LOCK 1/2-13 GRB | 3 |
| 3 | 1-512-010005-13 | NUT, HEX LOCK 5/8-11 GRB | 2 |
| 4 | 1-557-010327 | PIN, LYNCH 1/4 X 1-1/4 | 2 |
| 5 | 1-647-010004217 | SPRING PIN, SLOTTED 1/4 X 1-1/2 | 2 |
| 6 | 1-654-010055-07 | SCREW, HEX HEAD CAP 1/2-13 X 2-1/2 GR5 | 3 |
| 7 | 1-861-010032-14 | WASHER, FLAT 1/2N | 2 |
| 8 | 105909 | SCREW, RD HEAD SQ NECK 5/16-18 X 3/4 GR5 | 10 |
| 9 | 107-0975 | SCREW, SET LOCK 5/16-18 X 3/4 | 1 |
| 10 | 122825 | SPROCKET, TRANSMISSION 24T | 1 |
| 11 | 144083 | SPROCKET, TRANS 40X43T | 1 |
| 12 | 122836 | SPROCKET, TRANSMISSION 30T | 1 |
| 13 | 122837 | SPROCKET, TRANSMISSION 18T | 1 |
| 14 | 122871 | SPROCKET, TRANSMISSION IDLER | 3 |
| 15 | 125799 | SPACER | 2 |
| 16 | 144060 | BEARING, 7/8 HEX BORE 2 BOLT | 5 |
| 17 | 144082 | SPROCKET, TRANS 40 X 22T | 1 |
| 18 | 144086 | SPACER, 1 X 9/16 X 17/32 | 1 |
| 19 | 144087 | SHAFT, HEX 7/8 X 7-3/4 | 2 |
| 20 | 151588 | SPROCKET, #40 X 15, 7/8 HEX | 3 |
| 21 | 151596 | MOUNT, FERTILIZER DRIVE | 1 |
| 22 | 70593063 | U-BOLT | 1 |
| 23 | 119716 | CONNECTING LINK, #40 CHAIN | 1 |
| 24 | 172647 | ROLLER CHAIN, #40 X 58P 29L | 1 |
| 25 | 172648 | ROLLER CHAIN, #40 X 76P 38L | 1 |
| 26 | 172649 | ROLLER CHAIN, #40 X 114P 57L | 1 |

# Fertilizer Drive Assembly, Left

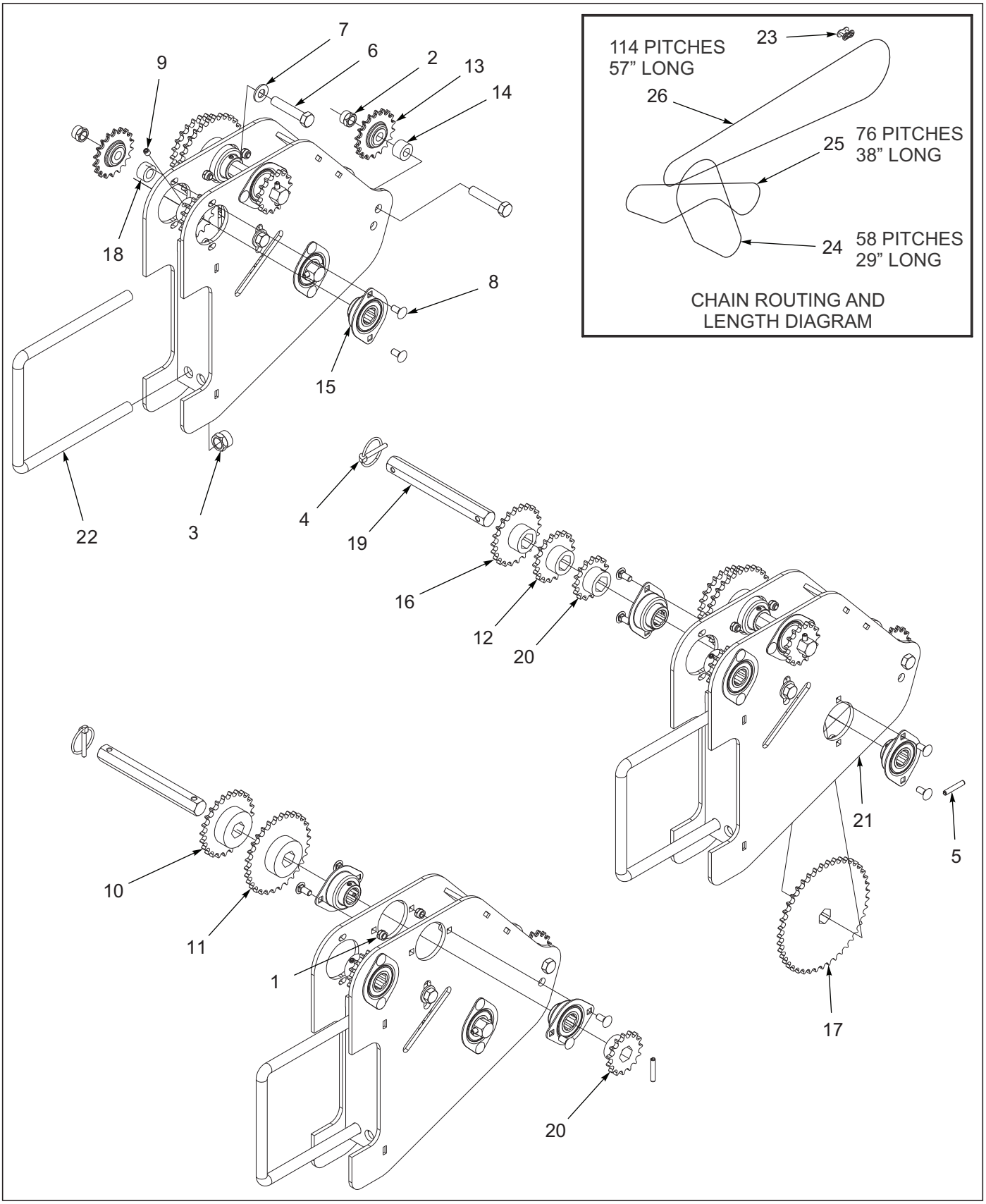



Figure 3-22: Fertilizer Drive Assembly, Left

# Fertilizer Drive Assembly, Left

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| | 174408 | FERTILIZER DRIVE ASSEMBLY, LEFT | |
| 1 | 1-512-010005-03 | NUT, HEX LOCK 5/16-18 GRB | 10 |
| 2 | 1-512-010005-09 | NUT, HEX LOCK 1/2-13 GRB | 3 |
| 3 | 1-512-010005-13 | NUT, HEX LOCK 5/8-11 GRB | 2 |
| 4 | 1-557-010327 | PIN, LYNCH 1/4 X 1-1/4 | 2 |
| 5 | 1-647-010004217 | SPRING PIN, SLOTTED 1/4 X 1-1/2 | 2 |
| 6 | 1-654-010055-07 | SCREW, HEX HEAD CAP 1/2-13 X 2-1/2 | 3 |
| 7 | 1-861-010032-14 | WASHER, FLAT 1/2N | 2 |
| 8 | 105909 | SCREW, RD HEAD SQ NECK 5/16-18 X 3/4 | 10 |
| 9 | 107-0975 | SCREW, SET LOCK 5/16-18 X 3/4 | 1 |
| 10 | 122825 | SPROCKET, TRANSMISSION 24T | 1 |
| 11 | 122836 | SPROCKET, TRANSMISSION 30T | 1 |
| 12 | 122837 | SPROCKET, TRANSMISSION 18T | 1 |
| 13 | 122871 | SPROCKET, TRANSMISSION IDLER | 3 |
| 14 | 125799 | SPACER | 2 |
| 15 | 144060 | BEARING, 7/8 HEX BORE 2 BOLT | 5 |
| 16 | 144082 | SPROCKET, TRANS 40 X 22T | 1 |
| 17 | 144083 | SPROCKET, TRANSMISSION 43T | 1 |
| 18 | 144086 | SPACER, 1 X 9/16 X 17/32 | 1 |
| 19 | 144087 | SHAFT, HEX 7/8 X 7-3/4 | 2 |
| 20 | 151588 | SPROCKET, #40 X 15, 7/8 HEX | 3 |
| 21 | 151596 | MOUNT, FERTILIZER DRIVE | 1 |
| 22 | 70593063 | U-BOLT | 1 |
| 23 | 119716 | CONNECTING LINK, #40 CHAIN | 1 |
| 24 | 172647 | ROLLER CHAIN, #40 X 58P 29L | 1 |
| 25 | 172648 | ROLLER CHAIN, #40 X 76P 38L | 1 |
| 26 | 172649 | ROLLER CHAIN, #40 X 114P 57L | 1 |

# Fertilizer Assembly

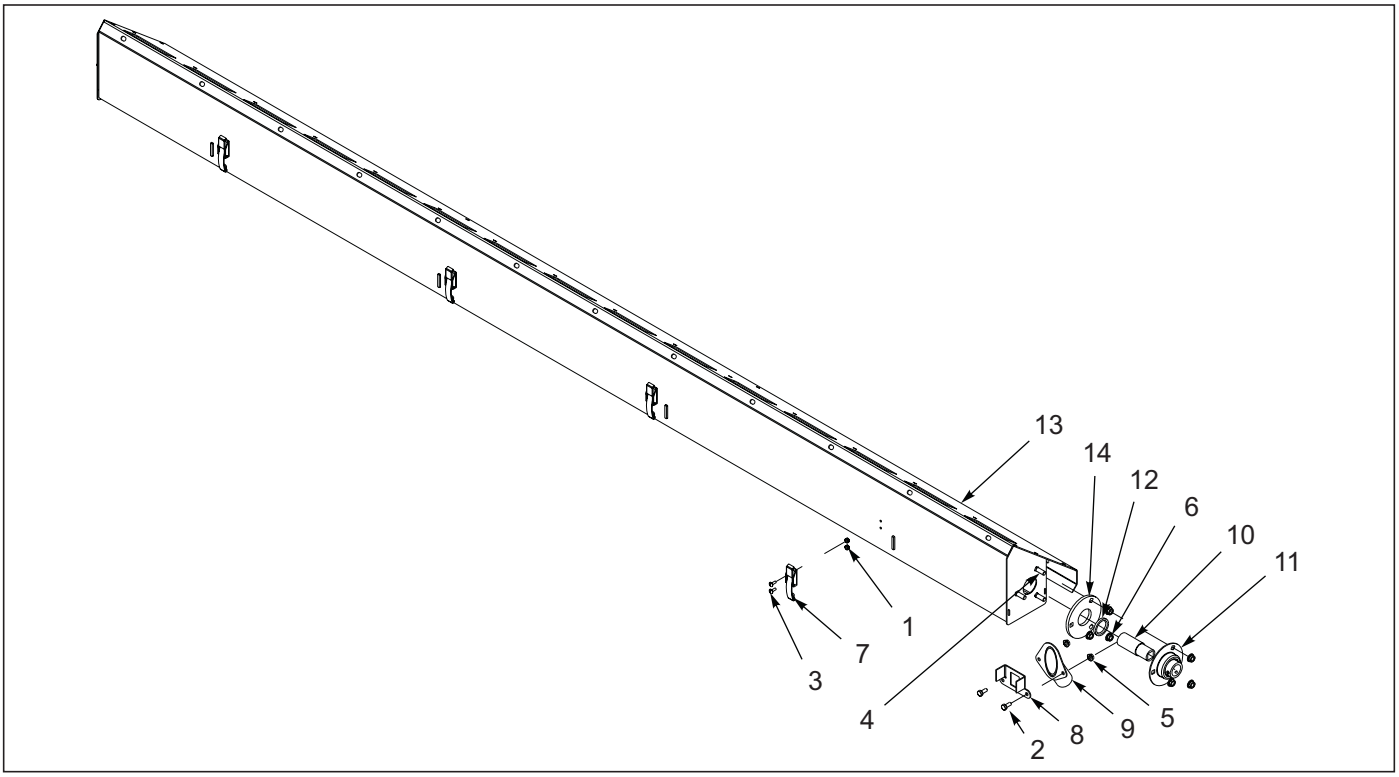



Figure 3-23: Fertilizer Assembly

# Fertilizer Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | | | |
|---|---|---|---|---|---|---|---|---|
| -- | 153852 | FERTILIZER ASSY, 7.5" X 10' | * | | | | | |
| -- | 153853 | FERTILIZER ASSY, 10" X 10' | | * | | | | |
| -- | 159883 | FERTILIZER ASSY,12-1/2X7.5 | | | * | | | |
| -- | 159884 | FERTILIZER ASSY,12-1/2X10 | | | | * | | |
| -- | 154828 | FERTILIZER ASSY 7.5" X 7-1/2' | | | | | * | |
| -- | 154829 | FERTILIZER ASSY 10" X 7-1/2' | | | | | | * |
| 1 | 1-512-010003-03 | NUT, HEX LOCK #8-32 | 8 | 8 | 12 | 12 | 6 | 6 |
| 2 | 1-654-010047-03 | SCREW, HEX HEAD CAP 1/4-20 X 5/8 | 32 | 24 | 40 | 30 | 24 | 18 |
| 3 | 1-656-010003026 | SCREW, RD HEAD MACH #8-32 X 1/2 | 8 | 8 | 12 | 12 | 6 | 6 |
| 4 | 104031 | SCREW, RD HEAD SQ NECK 5/16-18 X 1 GR5 | 6 | 6 | 6 | 6 | 6 | 6 |
| 5 | 108417 | NUT, HEX FLANGE SPIRAL 1/4-20 | 32 | 24 | 40 | 30 | 24 | 18 |
| 6 | 126561 | NUT, FLANGE HEAD SERRATED 5/16-18 | 12 | 12 | 12 | 12 | 12 | 12 |
| 7 | 1408291 | LATCH, DRAW OVER CENTER | 4 | 4 | 6 | 6 | 3 | 3 |
| 8 | 143911 | GUIDE, FERTILIZER METER | 16 | 112 | 20 | 15 | 12 | 9 |
| 9 | 143912 | TUBE, FERTILIZER | 16 | 12 | 20 | 15 | 12 | 9 |
| 10 | 144094 | SLEEVE, 1-1/8 OD X .630 ID | 2 | 2 | 2 | 2 | 2 | 2 |
| 11 | 144095 | BEARING | 2 | 2 | 2 | 2 | 2 | 2 |
| 12 | 144096 | SEAL | 2 | 2 | 2 | 2 | 2 | 2 |
| 13 | 144106 | BOTTOM, FERTILIZER 7.5" X 10' | 1 | -- | -- | -- | -- | -- |
| 13 | 144107 | BOTTOM, FERTILIZER 10" X 10' | -- | 1 | -- | -- | -- | -- |

# Fertilizer Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | | | |
|---|---|---|---|---|---|---|---|---|
| 13 | 159880 | BOTTOM, FERTILIZER,12-1/2X7.5 | -- | -- | 1 | -- | -- | -- |
| 13 | 159881 | BOTTOM, FERTILIZER,12-1/2X10 | -- | -- | -- | 1 | -- | -- |
| 13 | 154830 | BOTTOM, FERTILIZER 7.5" X 7-1/2' | -- | -- | -- | -- | 1 | -- |
| 13 | 154831 | BOTTOM, FERTILIZER 10" X 7-1/2' | -- | -- | -- | -- | -- | 1 |
| 14 | 151576 | PLATE, FERTILIZER SHAFT SEAL | 2 | 2 | 2 | 2 | 2 | 2 |

# Fill Shield Assembly

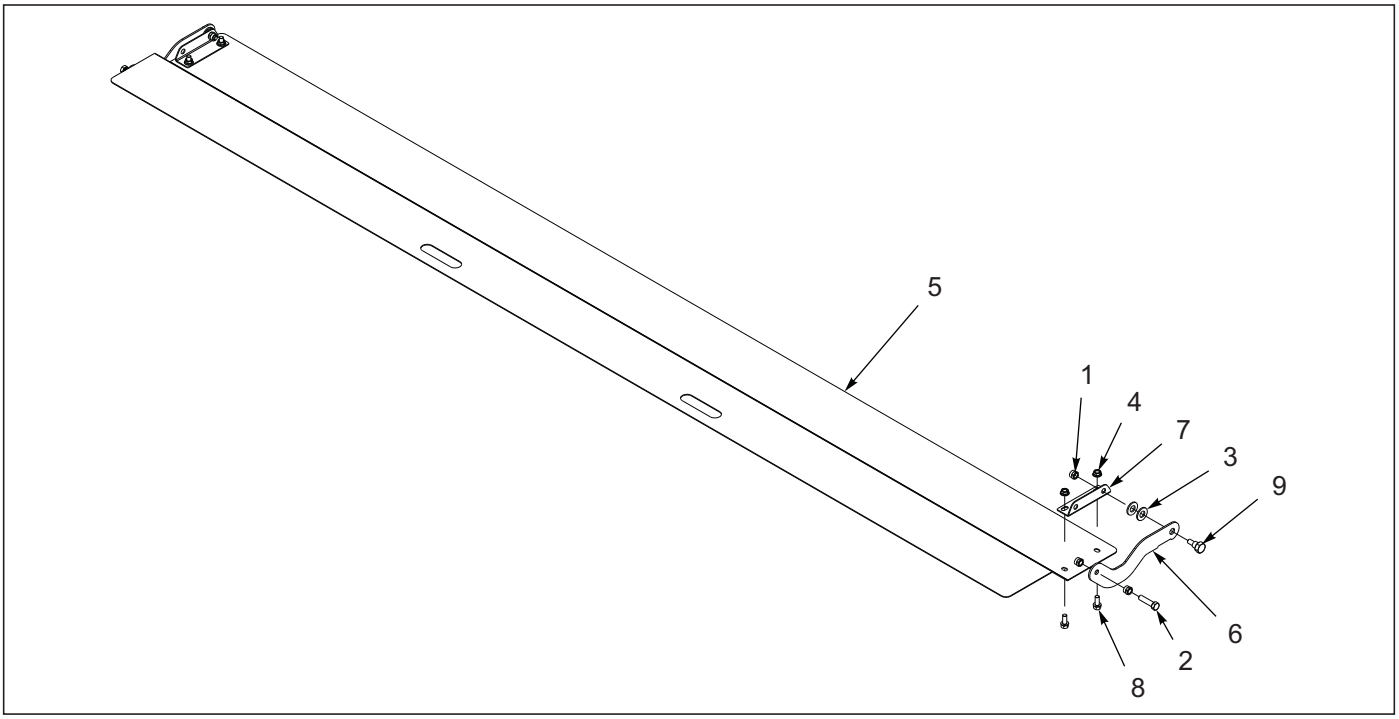



Figure 3-24: Fill Shield Assembly

# Fill Shield Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY | | |
|---|---|---|---|---|---|
| -- | 144133 | FILL SHIELD ASSEMBLY 10' | * | | |
| -- | 154872 | FILL SHIELD ASSEMBLY 7-1/2' | | * | |
| -- | 159915 | SHIELD ASSY, FILL 12-1/2' | | | - |
| 1 | 1-512-010005-05 | NUT, HEX LOCK 3/8-16 GRB | 6 | 6 | 6 |
| 2 | 1-654-010160-07 | SCREW, HEX HEAD CAP FULL THREAD 3/8-16 X 1-1/2 | 2 | 2 | 2 |
| 3 | 1-861-010032-14 | WASHER, FLAT 1/2N | 4 | 4 | 4 |
| 4 | 126561 | NUT, FLANGE HEAD SERRATED 5/16-18 | 4 | 4 | 4 |
| 5 | 144134 | SHIELD, FILL 10' | 1 | -- | -- |
| 5 | 154871 | SHIELD, FILL 7-1/2' | -- | 1 | -- |
| 5 | 159914 | SHIELD,FILL 12-1/2 | -- | -- | 1 |
| 6 | 144135 | HINGE, FILL SHIELD | 2 | 2 | 2 |
| 7 | 144137 | BRACKET, FILL SHIELD | 2 | 2 | 2 |
| 8 | 144268 | SCREW, FLANGE HEAD 5/16-18 X 3/4 | 4 | 4 | 4 |
| 9 | 2-095-010017 | BOLT, SHOULDER HEX HEAD | 2 | 2 | 2 |

Table provided for general use.

| NOTES: |
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# Seed Level Indicator

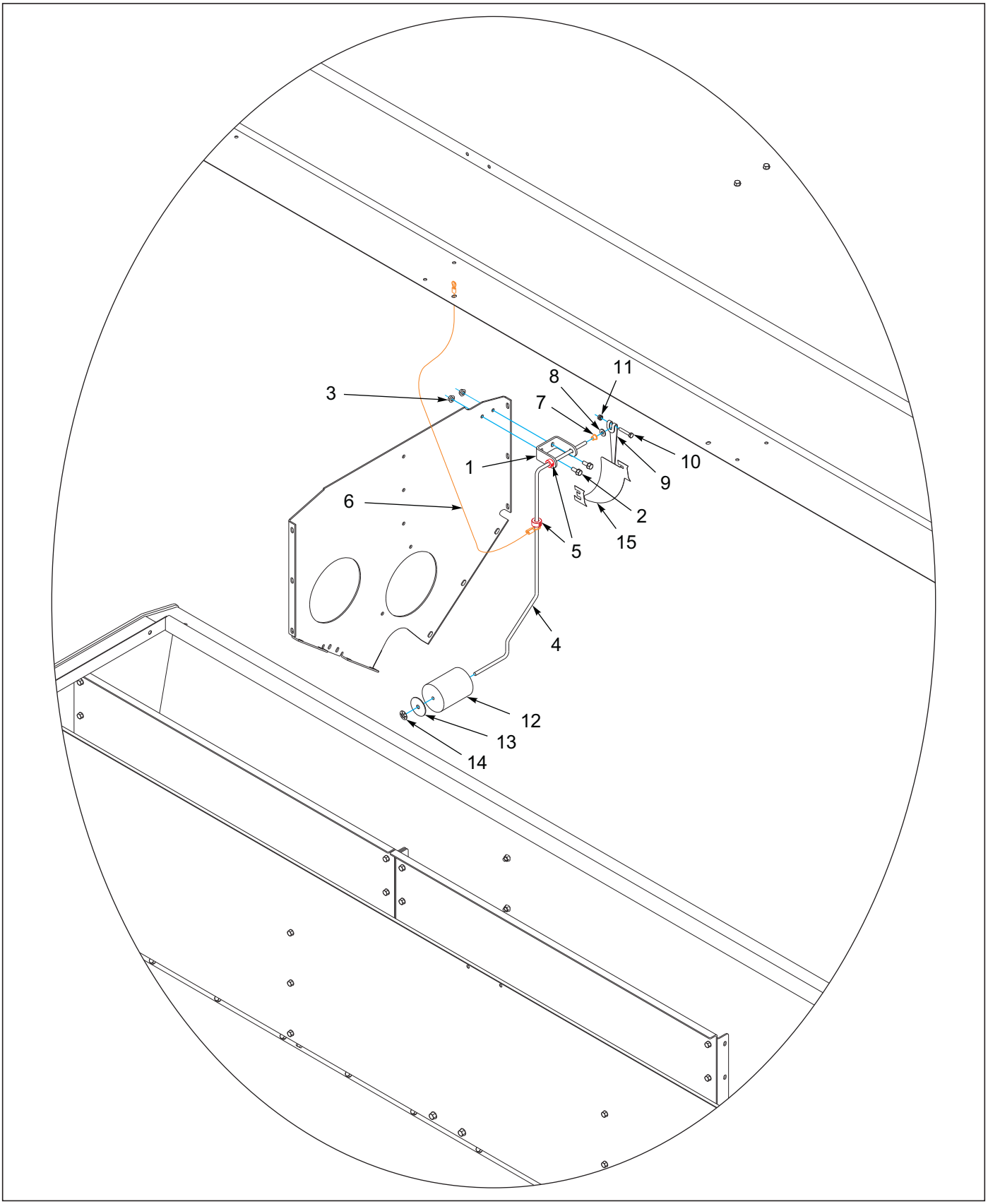



Figure 3-25: Seed Level Indicator

# Seed Level Indicator

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 207494 | BRACKET, SEED LEVEL ROD | 1 |
| 2 | 144268 | SCREW 5/16-18UNCX3/4FLG HD ZP | 2 |
| 3 | 126561 | NUT,FLG HD,SERRATED,5/16-18ZP | 2 |
| 4 | 207495 | ROD, SEED LEVEL | 1 |
| 4 | 222308 | ROD, SEED LEVEL AGITATOR **(USED ON AGITATOR OPTION ONLY)** | 1 |
| 5 | 207499 | COLLAR, SHAFT SET 3/8 RD | 2 |
| 6 | 203014 | LANYARD, SEED LEVEL | 1 |
| 7 | 207498 | BEARING, FLANGE 3/8 | 1 |
| 8 | 1-861-010032-07 | WASHER,FLAT 1/4 ZP | 1 |
| 9 | 207496 | INDICATOR, SEED LEVEL | 1 |
| 10 | 1-654-010047-08 | SCREW HX CP,1/4-20UNCX1-1/2G5 | 1 |
| 11 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 1 |
| 12 | 207497 | FLOAT, SEED LEVEL | 1 |
| 13 | 162551 | WASHER, FENDER 3/8X2 | 1 |
| 14 | 130411 | PUSH-NUT,5/16 STYLE 2 | 1 |
| 15 | 205147 | DECAL, SEED LEVEL | 1 |

# Seed Tube Assembly (Air Spring Opener)

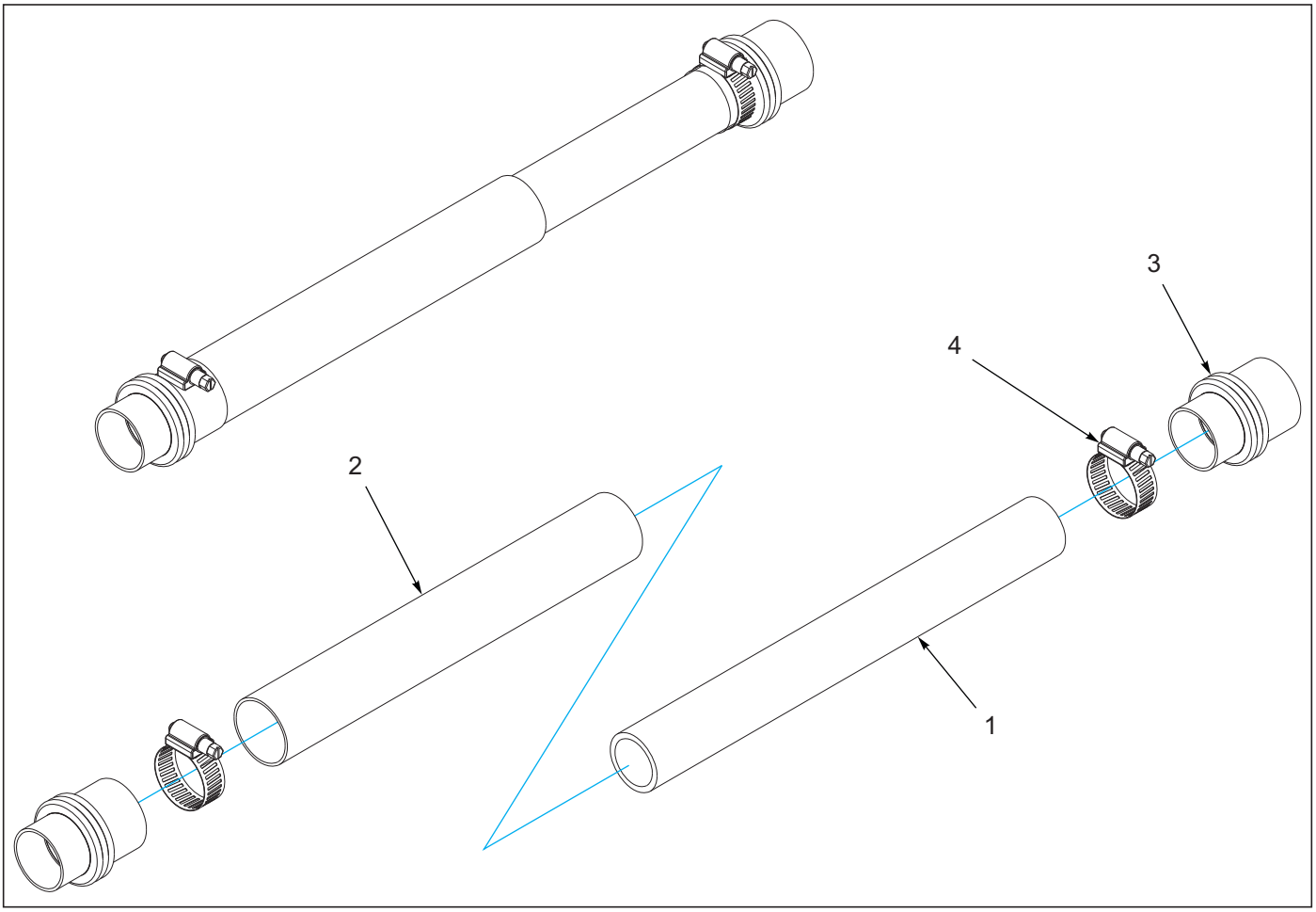



Figure 3-26: Seed Tube Assembly (Air Spring Opener)

## Seed Tube Assembly (Air Spring Opener)

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | |
|---|---|---|---|---|---|
| -- | 183921 | SEED TUBE ASSY, 10" 5211 | * | | |
| -- | 199340 | SEED TUBE ASSY, 11" 5211 | | * | |
| -- | 199341 | SEED TUBE ASSY, 12" 5211 | | | * |
| 1 | 183922 | SEED TUBE, INNER | 1 | 1 | 1 |
| 2 | 183923 | SEED TUBE, OUTER 10" | 1 | -- | -- |
| 2 | 199342 | SEED TUBE, OUTER 11" | -- | 1 | -- |
| 2 | 199343 | SEED TUBE, OUTER 12" | -- | -- | 1 |
| 3 | 216435 | HOSE, SEED 2-1/4" | 2 | 2 | 2 |
| 4 | 42H20 | CLAMP, HOSE 1-1/4 IN | 2 | 2 | 2 |

# Seed Tube Assembly (Spring Opener)

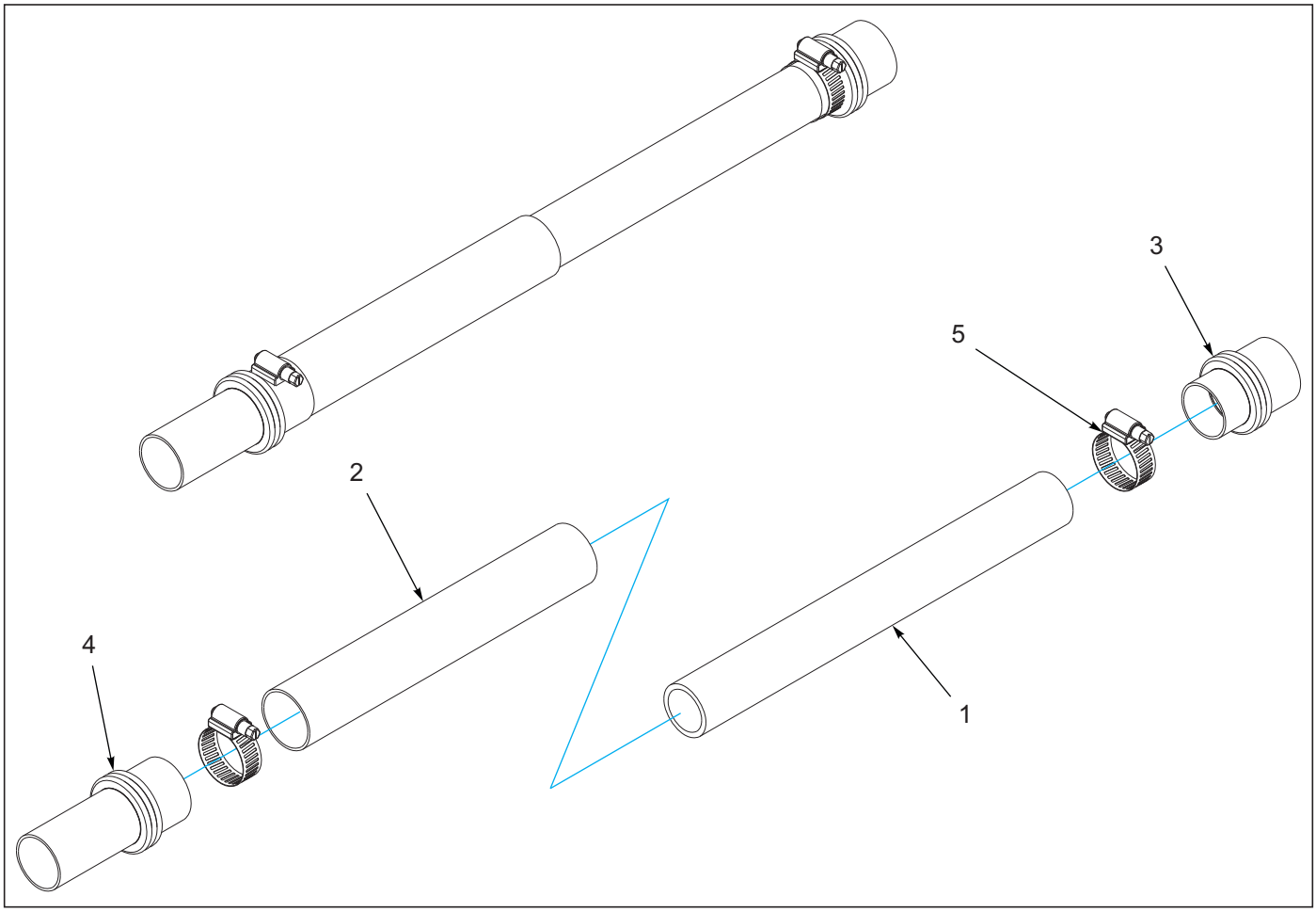



Figure 3-27: Seed Tube Assembly (Spring Opener)

## Seed Tube Assembly (Spring Opener)

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | |
|---|---|---|---|---|---|
| -- | 216429 | SEED TUBE ASSY, 9" SPRING | * | | |
| -- | 216430 | SEED TUBE ASSY, 10" SPRING | | * | |
| -- | 216431 | SEED TUBE ASSY, 11" SPRING | | | * |
| 1 | 183922 | SEED TUBE, INNER | 1 | 1 | 1 |
| 2 | 216433 | SEED TUBE, OUTER 9" | 1 | -- | -- |
| 2 | 183923 | SEED TUBE, OUTER 10" | -- | 1 | -- |
| 2 | 199342 | SEED TUBE, OUTER 11" | -- | -- | 1 |
| 3 | 216435 | HOSE, SEED 2-1/4" | 1 | 1 | 1 |
| 4 | 216436 | HOSE, SEED 4" | 1 | 1 | 1 |
| 5 | 42H20 | CLAMP, HOSE 1-1/4 IN | 2 | 2 | 2 |

# Seed Meter Assembly 5211-10’

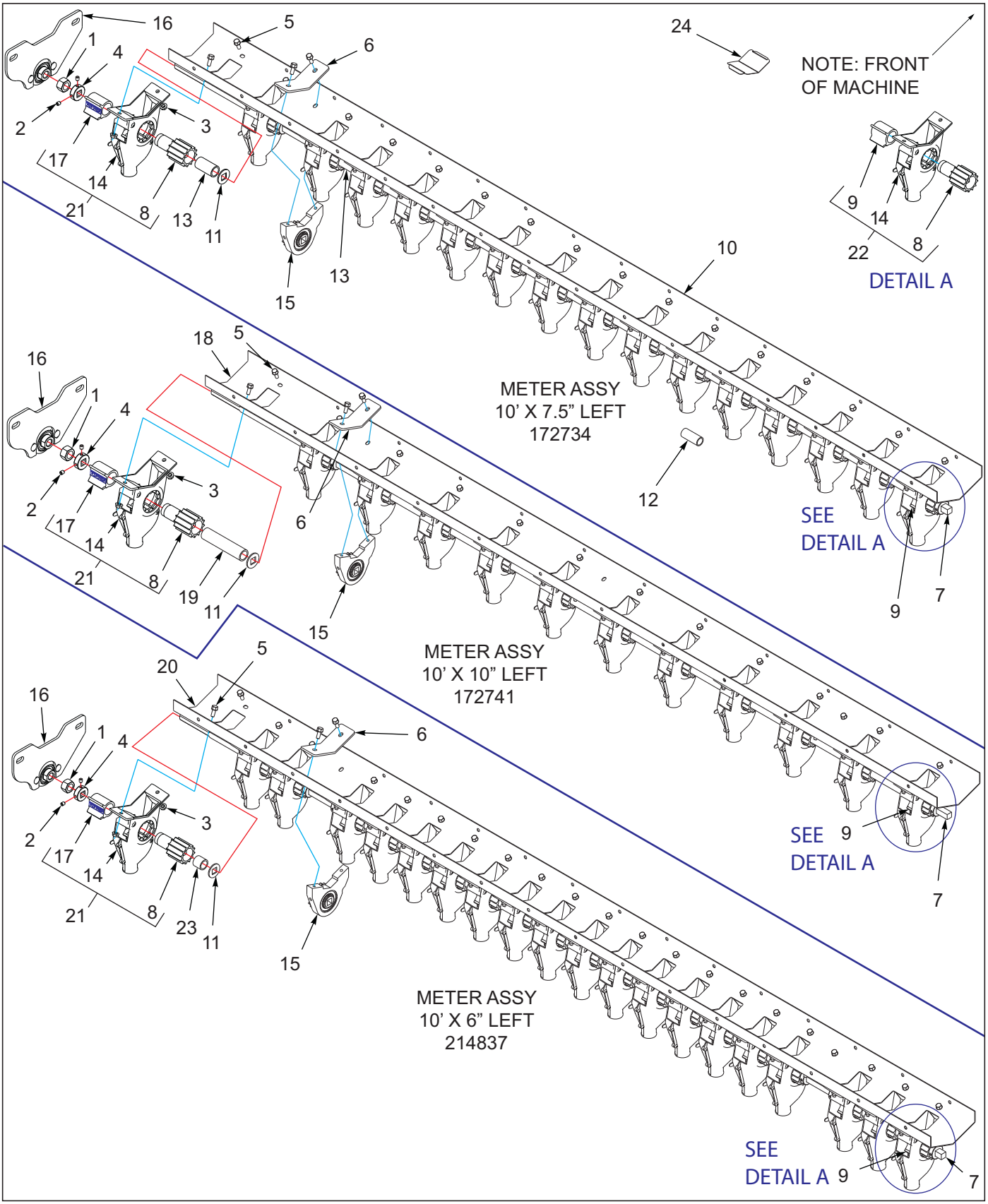



Figure 3-28: Seed Meter Assembly 5211-10’

# Seed Meter Assembly 5211-10’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | |
|---|---|---|---|---|---|
| -- | 172734 | METER ASSY, 10'X7.5" LEFT | * | | |
| -- | 172741 | METER ASSY, 10'X10" LEFT | | * | |
| -- | 214837 | METER ASSY, 10'X6" LEFT | | | * |
| 1 | 1-512-010007-12 | NUT, HEX 3/4-10 GRB | 1 | 1 | 1 |
| 2 | 107-0975 | SCREW, SET LOCK 5/16-18 X 3/8 | 8 | 8 | 12 |
| 3 | 126561 | NUT, FLANGE HEAD SERRATED, 5/16-18 | 32 | 28 | 42 |
| 4 | 144144 | COLLAR, SHAFT SET, 5/8 SQ | 4 | 4 | 6 |
| 5 | 144268 | SCREW, FLANGE HEAD 5/16-18 X 3/4 | 34 | 30 | 44 |
| 6 | 168844 | PLATE, BEARING SUPPORT | 1 | 1 | 1 |
| 7 | 168858 | SHAFT 5/8 SQ X 105 W/THDS | 1 | 1 | 1 |
| 8 | 168868 | METER, FEED ROLL | 16 | 12 | 20 |
| 9 | 168869 | METER, FEED CUT-OFF | 15 | 11 | 19 |
| 10 | 168886 | BOTTOM, SEED METER 7.5" X 10' | 1 | -- | -- |
| 11 | 172700 | WASHER, 1.50 OD X .640 SQ | 14 | 10 | 17 |
| 12 | 172701 | SPACER, METER 2-5/8 L | 12 | -- | -- |
| 13 | 205237 | SPACER METER 2-3/8" | 2 | -- | -- |
| 14 | 172706 | METER ASSEMBLY, SEED HOUSING **(SEE PAGE 3-65)** | 16 | 12 | 20 |
| 15 | 208221 | BEARING ASSY, SEED SHAFT LT **(SEE PAGE 3-69)** | 1 | 1 | 1 |
| 16 | 172712 | SEED RATE ADJUST ASSEMBLY, LEFT **(SEE PAGE 3-72)** | 1 | 1 | 1 |
| 17 | 172713 | METER, FEED CUT-OFF W/ PLACARD | 1 | 1 | 1 |
| 18 | 168887 | BOTTOM, SEED METER 10" X 10' | -- | 1 | -- |
| 19 | 172705 | SPACER, METER 4-15/16 L | -- | 10 | -- |
| 20 | 214838 | BOTTOM, SEED METER 10'X6" | -- | -- | 1 |
| 21 | 172735 | SEED METER ASSEMBLY W/ GAUGE (INCL ITEMS 8, 14, & 17) | 1 | 1 | 1 |
| 22 | 168870 | COMPLETE SEED METER ASSEMBLY **(INCL ITEMS 8, 9, 14)** | | | |
| 23 | 214839 | SPACER, METER 1 L | -- | -- | 17 |
| 24 | 174398 | PLUG, SEED | AR | AR | AR |

# Seed Meter Assembly 5211-12-1/2’

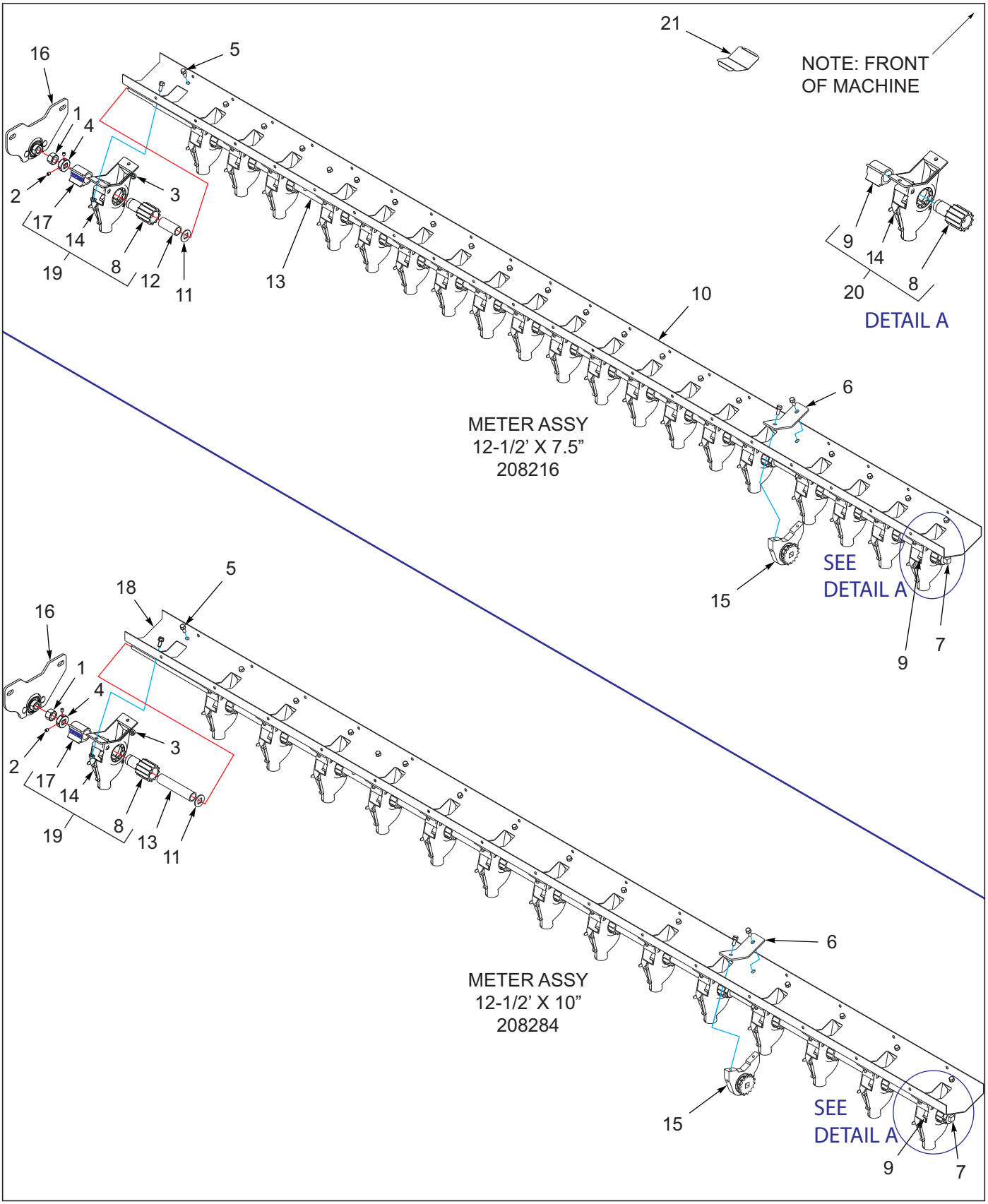



**Figure 3-29: Seed Meter Assembly 5211-12-1/2’**

# Seed Meter Assembly 5211-12-1/2’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 208216 | METER ASSY, 12-1/2'X7.5" | * | |
| -- | 208284 | METER ASSY, 12-1/2'X10" | | * |
| 1 | 1-512-010007-12 | NUT, HEX 3/4-10 GRB | 1 | 1 |
| 2 | 107-0975 | SCREW, SET LOCK 5/16-18 X 3/8 | 8 | 8 |
| 3 | 126561 | NUT, FLANGE HEAD SERRATED, 5/16-18 | 42 | 32 |
| 4 | 144144 | COLLAR, SHAFT SET, 5/8 SQ | 4 | 4 |
| 5 | 144268 | SCREW, FLANGE HEAD 5/16-18 X 3/4 | 44 | 34 |
| 6 | 168844 | PLATE, BEARING SUPPORT | 1 | 1 |
| 7 | 174487 | SHAFT, 5/8 SQ X 134 W/THDS | 1 | 1 |
| 8 | 168868 | METER, FEED ROLL | 20 | 15 |
| 9 | 168869 | METER, FEEL CUT-OFF | 19 | 14 |
| 10 | 168888 | BOTTOM, SEED METER 12-1/2'X7.5 | 1 | -- |
| 11 | 172700 | WASHER, 1.50 OD X .640 SQ | 18 | 13 |
| 12 | 172701 | SPACER, METER 2-5/8 L | 17 | -- |
| 13 | 174486 | SPACER, METER 5-5/16L | 1 | 13 |
| 14 | 172706 | METER ASSEMBLY, SEED HOUSING **(SEE PAGE 3-65)** | 20 | 15 |
| 15 | 208220 | BEARING ASSY, SEED SHAFT LT **(SEE PAGE 3-69)** | 1 | 1 |
| 16 | 172712 | SEED RATE ADJUST ASSEMBLY, LEFT **(SEE PAGE 3-72)** | 1 | 1 |
| 17 | 172713 | METER, FEED CUT-OFF W/ PLACARD | 1 | 1 |
| 18 | 168889 | BOTTOM, SEED METER 12-1/2'X10" | -- | 1 |
| 19 | 172735 | SEED METER ASSEMBLY W/ GAUGE **(INCL ITEMS 8, 14, & 17)** | | |
| 20 | 168870 | COMPLETE SEED METER ASSEMBLY **(INCL ITEMS 8, 9, 14)** | | |
| 21 | 174398 | PLUG, SEED | AR | AR |

# Seed Meter Assembly 5211-15’

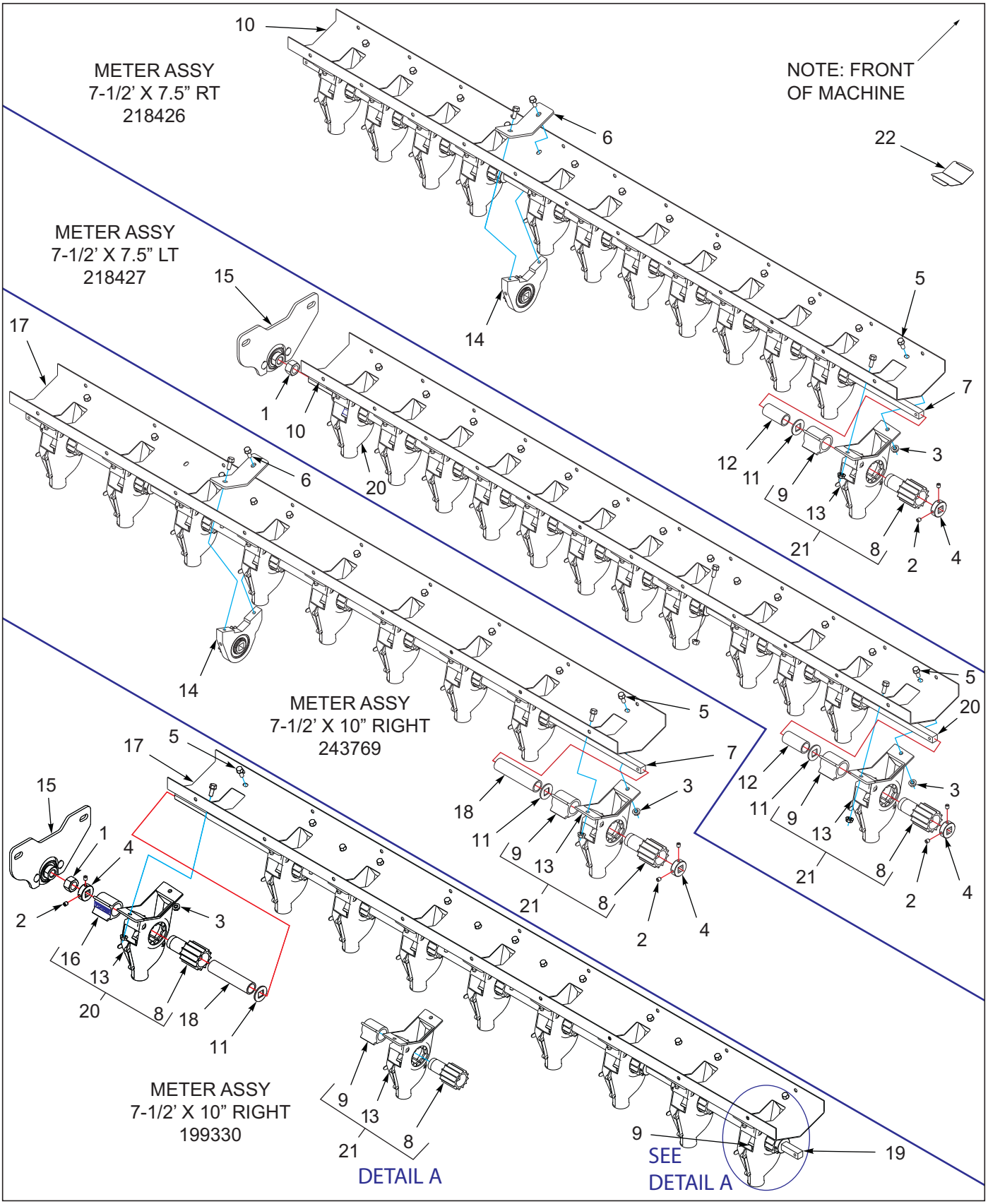



Figure 3-30: Seed Meter Assembly 5211-15’

# Seed Meter Assembly 5211-15’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | |
|---|---|---|---|---|---|---|
| -- | 218426 | METER ASSY, 7-1/2'X7.5" RT | * | | | |
| -- | 218427 | METER ASSY, 7-1/2'X7.5" LT | | * | | |
| -- | 243767 | BOX ASSY, 7-1/2' X 10" RIGHT | | | * | |
| -- | 199330 | METER ASSY, 7-1/2'X10" RIGHT | | | | * |
| 1 | 1-512-010007-12 | NUT, HEX 3/4-10 GRB | -- | 1 | -- | 1 |
| 2 | 107-0975 | SCREW, SET LOCK 5/16-18 X 3/8 | 8 | 8 | 8 | 8 |
| 3 | 126561 | NUT, FLANGE HEAD SERRATED, 5/16-18 | 24 | 26 | 20 | 22 |
| 4 | 144144 | COLLAR, SHAFT SET, 5/8 SQ | 4 | 4 | 4 | 4 |
| 5 | 144268 | SCREW, FLANGE HEAD 5/16-18 X 3/4 | 26 | 26 | 22 | 22 |
| 6 | 168844 | PLATE, BEARING SUPPORT | 1 | -- | 1 | -- |
| 7 | 154826 | SHAFT 5/8 SQ X 78 | 1 | -- | 1 | -- |
| 8 | 168868 | METER, FEED ROLL | 12 | 12 | 9 | 9 |
| 9 | 168869 | METER, FEEL CUT-OFF | 12 | 11 | 9 | 8 |
| 10 | 218428 | BOTTOM, SEED METER 7-1/2'X7.5" | 1 | 1 | -- | -- |
| 11 | 172700 | WASHER, 1.50 OD X .640 SQ | 10 | 10 | 7 | 7 |
| 12 | 205237 | SPACER METER 2-3/8" | 10 | 10 | -- | -- |
| 13 | 172706 | METER ASSEMBLY, SEED HOUSING **(SEE PAGE 3-65)** | 12 | 12 | 9 | 9 |
| 14 | 208221 | BEARING ASSY, SEED SHAFT LT **(SEE PAGE 3-69)** | 1 | -- | 1 | -- |
| 15 | 172712 | SEED RATE ADJUST ASSEMBLY, LEFT **(SEE PAGE 3-72)** | -- | 1 | -- | 1 |
| 16 | 172713 | METER, FEED CUT-OFF W/ PLACARD | -- | 1 | -- | 1 |
| 17 | 168885 | BOTTOM, SEED METER 7-1/2'X10" | -- | -- | 1 | 1 |
| 18 | 172705 | SPACER, METER 4-15/16 L | -- | -- | 7 | 7 |
| 19 | 174311 | SHAFT SQ 5/8X79 W/THDS | -- | 1 | -- | 1 |
| 20 | 172735 | SEED METER ASSEMBLY W/ GAUGE **(INCL ITEMS 8, 14, & 17)** | | | | |
| 21 | 168870 | COMPLETE SEED METER ASSEMBLY **(INCL ITEMS 8, 9, 14)** | | | | |
| 22 | 174398 | PLUG, SEED | AR | AR | AR | AR |

# Seed Meter Assembly 5211-20’

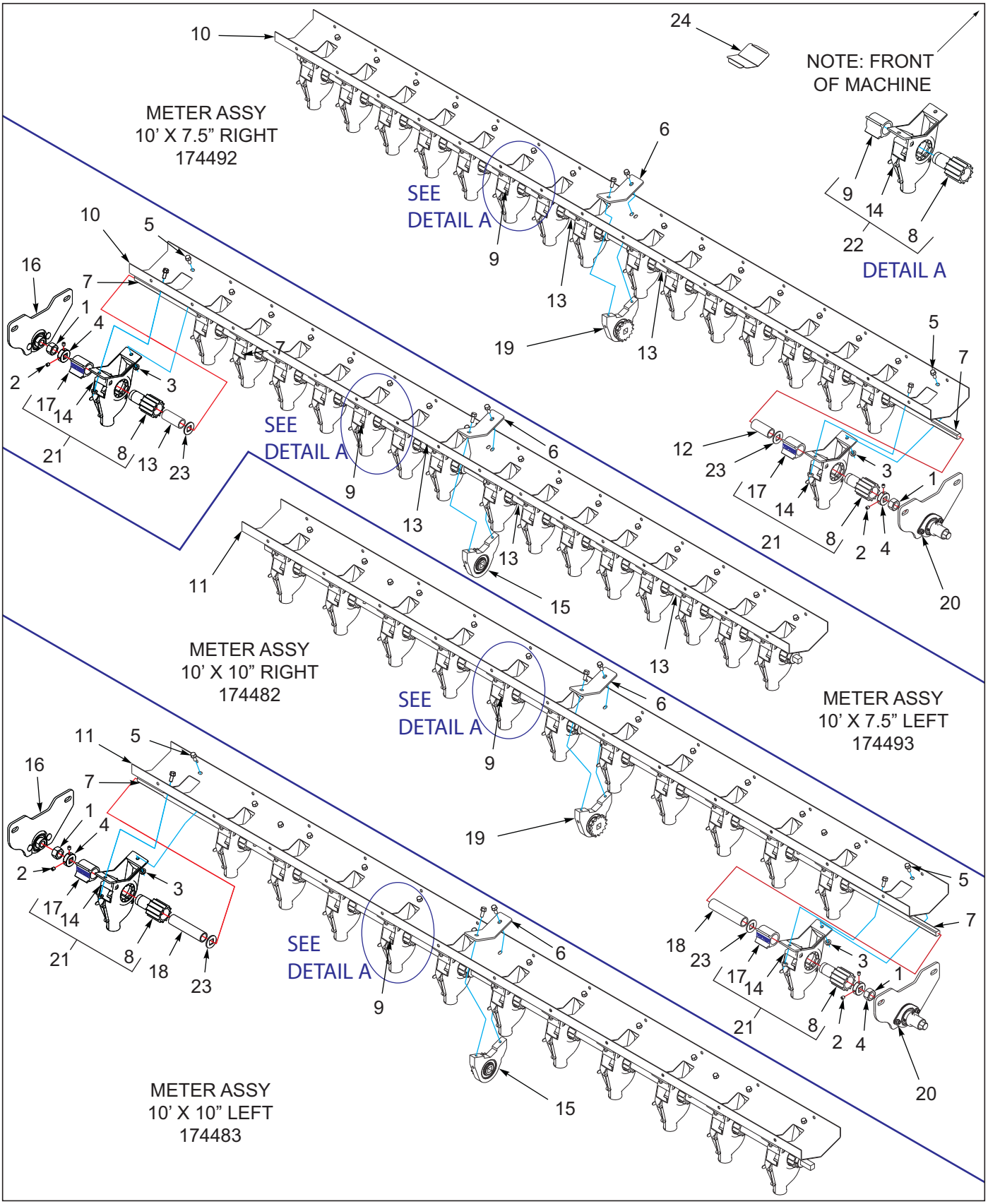



Figure 3-31: Seed Meter Assembly 5211-20’

# Seed Meter Assembly 5211-20'

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | |
|---|---|---|---|---|---|---|
| -- | 174492 | METER ASSY 10'X7.5" RIGHT | * | | | |
| -- | 174493 | METER ASSY 10'X7.5" LEFT | | * | | |
| -- | 174482 | METER ASSY, 10'X10" RIGHT | | | * | |
| -- | 174483 | METER ASSY, 10'X10" LEFT | | | | * |
| 1 | 1-512-010007-12 | NUT, HEX 3/4-10 GRB | 1 | 1 | 1 | 1 |
| 2 | 107-0975 | SCREW, SET LOCK 5/16-18 X 3/8 | 8 | 8 | 8 | 8 |
| 3 | 126561 | NUT, FLANGE HEAD SERRATED, 5/16-18 | 32 | 32 | 28 | 28 |
| 4 | 144144 | COLLAR, SHAFT SET, 5/8 SQ | 4 | 4 | 4 | 4 |
| 5 | 144268 | SCREW, FLANGE HEAD 5/16-18 X 3/4 | 34 | 34 | 30 | 30 |
| 6 | 168844 | PLATE, BEARING SUPPORT | 1 | 1 | 1 | 1 |
| 7 | 168858 | SHAFT 5/8 SQ X 105 W/THDS | 1 | 1 | 1 | 1 |
| 8 | 168868 | METER, FEED ROLL | 16 | 16 | 12 | 12 |
| 9 | 168869 | METER, FEEL CUT-OFF | 15 | 15 | 11 | 11 |
| 10 | 174491 | BOTTOM, SEED METER 10'X7.5" | 1 | 1 | -- | -- |
| 11 | 168887 | BOTTOM, SEED METER 10' X 10" | -- | -- | 1 | 1 |
| 12 | 172701 | SPACER, METER 2-5/8 L | 12 | 12 | -- | -- |
| 13 | 205237 | SPACER METER 2-3/8" | 2 | 2 | -- | -- |
| 14 | 172706 | METER ASSEMBLY, SEED HOUSING **(SEE PAGE 3-65)** | 16 | 16 | 12 | 12 |
| 15 | 208221 | BEARING ASSY, SEED SHAFT LT **(SEE PAGE 3-69)** | -- | 1 | -- | 1 |
| 16 | 172712 | SEED RATE ADJUST ASSEMBLY, LEFT **(SEE PAGE 3-72)** | -- | 1 | -- | 1 |
| 17 | 172713 | METER, FEED CUT-OFF W/ PLACARD | 1 | 1 | 1 | 1 |
| 18 | 172705 | SPACER, METER 4-15/16 L | -- | -- | 10 | 10 |
| 19 | 208220 | BEARING ASSY, SEED SHAFT RT **(SEE PAGE 3-69)** | 1 | -- | 1 | -- |
| 20 | 172711 | SEED RATE ADJ ASSY, RIGHT **(SEE PAGE 3-71)** | 1 | -- | 1 | -- |
| 21 | 172735 | SEED METER ASSEMBLY W/ GAUGE (INCL ITEMS 8, 14, & 17) | | | | |
| 22 | 168870 | COMPLETE SEED METER ASSEMBLY (INCL ITEMS 8, 9, 14) | | | | |
| 23 | 172700 | WASHER, 1.50 OD X .640 SQ | 14 | 14 | 10 | 10 |
| 24 | 174398 | PLUG, SEED | AR | AR | AR | AR |

# Seed Meter Housing Assembly

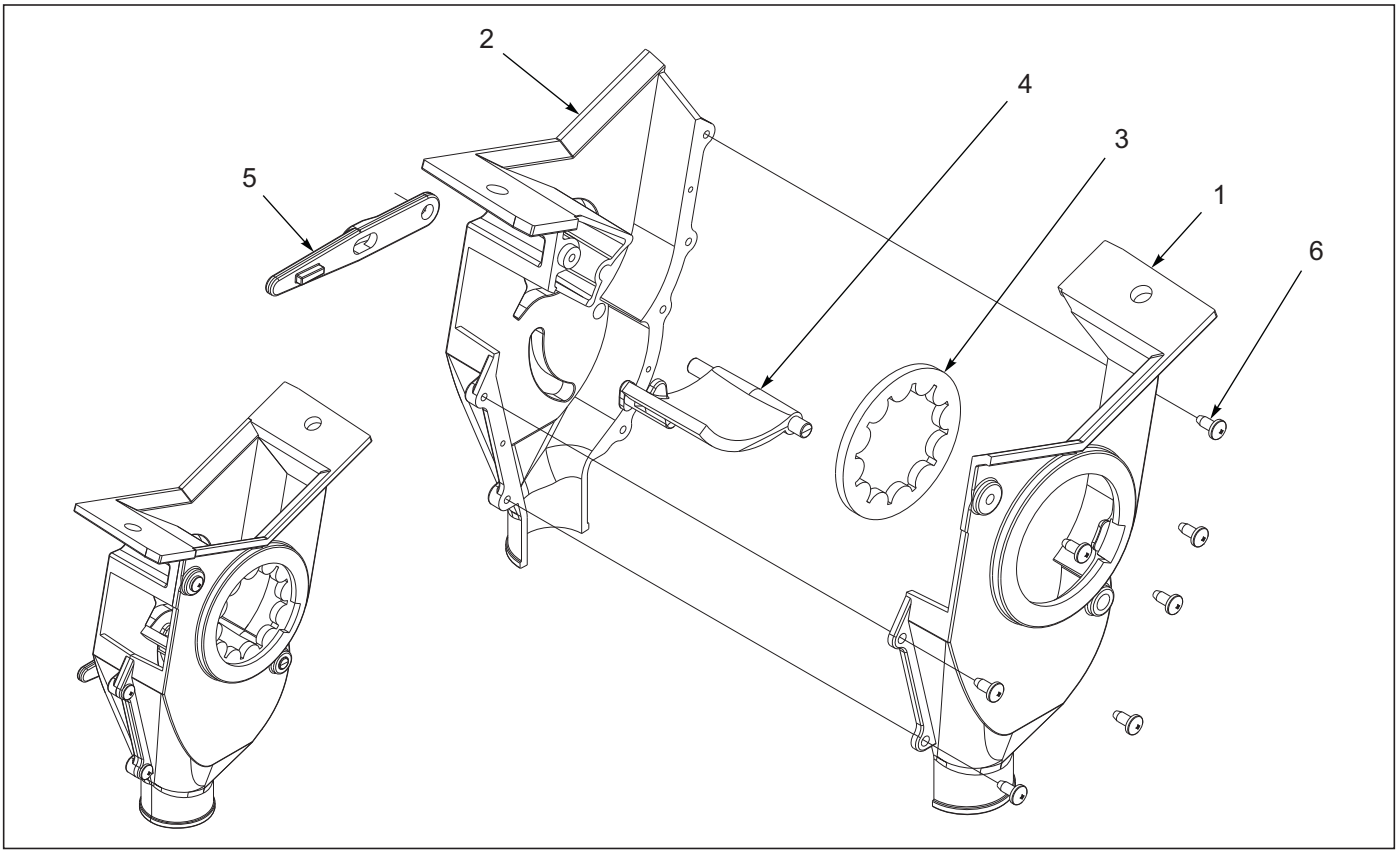



Figure 3-32: Seed Meter Housing Assembly

## Seed Meter Housing Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 172706 | METER, ASSEMBLY, SEED HOUSING | |
| 1 | 168866 | METER HOUSING, RIGHT | 1 |
| 2 | 168867 | METER HOUSING, LEFT | 1 |
| 3 | 168871 | METER, FEED ROLL WASHER | 1 |
| 4 | 168872 | METER, SEED GATE | 1 |
| 5 | 168873 | METER, SEED GATE HANDLE | 1 |
| 6 | 172730 | SCREW, THREAD CUTTING #8-18 X 3/8 | 7 |

Table provided for general use.

| NOTES: |
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# Seed Shaft Bearing Assembly (Before 12-18-2018)

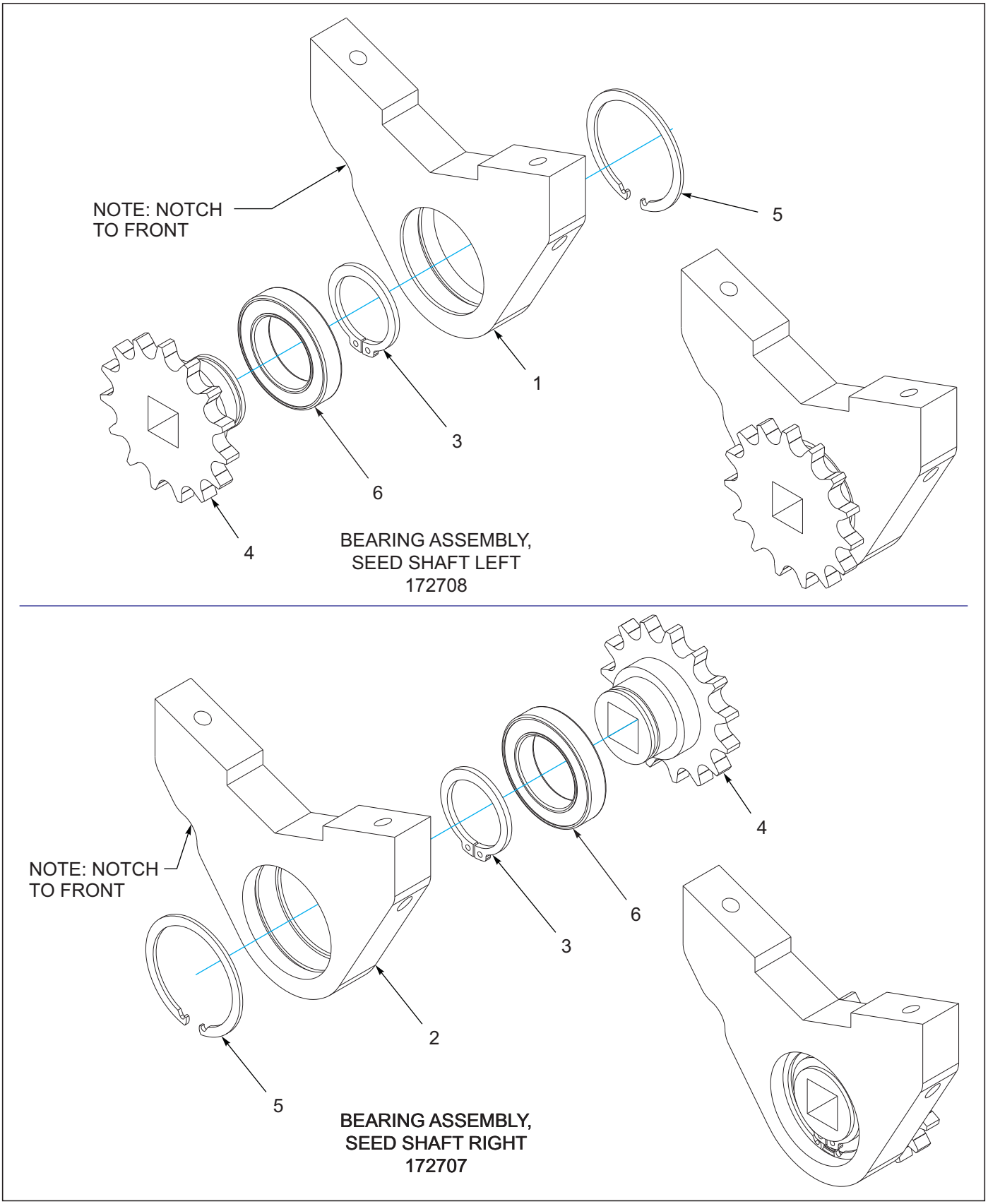



Figure 3-33: Seed Shaft Bearing Assembly (Before 12-18-2018)

# Seed Shaft Bearing Assembly (Before 12-18-2018)

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 172708 | BEARING ASSEMBLY, SEED SHAFT LEFT **(ITEMS 1, 3-6)** | |
| -- | 172707 | BEARING ASSEMBLY, SEED SHAFT RIGHT **(ITEMS 2-6)** | |
| 1 | 183951 | BEARING MOUNT, WITH BEARING - LEFT | 1 |
| 2 | 183950 | BEARING MOUNT, WITH BEARING - RIGHT | 1 |
| 3 | 143992 | SNAP RING, 1.181 SHAFT | 1 |
| 4 | 161460 | SPROCKET, #40 X 15T, 5/8 SQ BORE | 1 |
| 5 | 161471 | SNAP RING, INTERNAL 1.850 BORE | 1 |
| 6 | 143956 | BEARING, SEED DRIVE CLUTCH | 1 |

# Seed Shaft Bearing Assembly (After 12-18-2018)

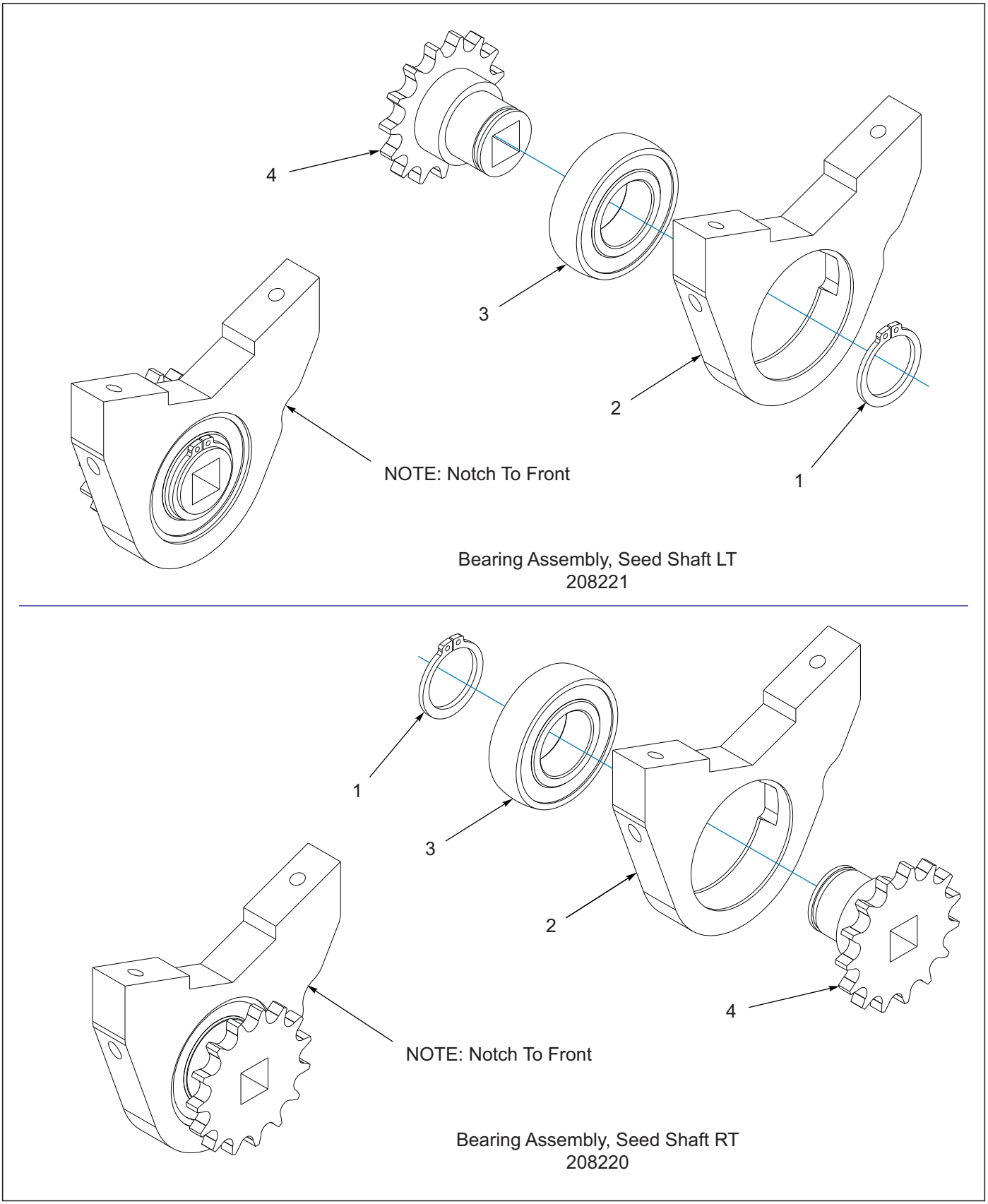



**Figure 3-34: Seed Shaft Bearing Assembly (After 12-18-2018)**

# Seed Shaft Bearing Assembly (After 12-18-2018)

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 208221 | BEARING ASSY, SEED SHAFT LT | |
| -- | 208220 | BEARING ASSY, SEED SHAFT RT | |
| 1 | 143992 | SNAP RING, 1.181 SHAFT | 1 |
| 2 | 205192 | BEARING MOUNT SEED SHAFT | 1 |
| 3 | 208215 | BEARING, BALL 1.181IDX2.441OD | 1 |
| 4 | 208219 | SPROCKET, #40X15T, 5/8 SQ BORE | 1 |

# Seed Rate Adjust Assembly, Right

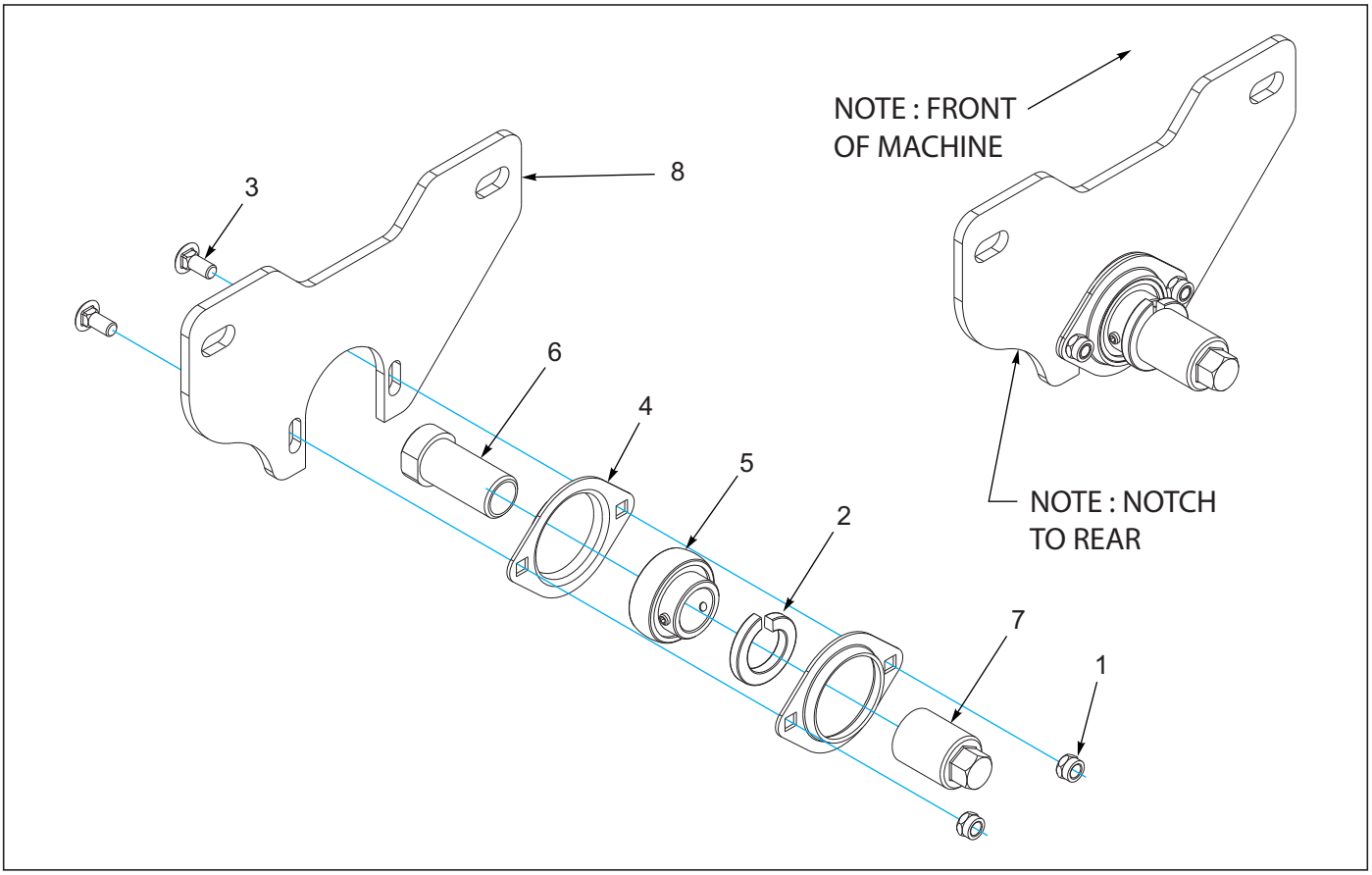



Figure 3-35: Seed Rate Adjust Assembly, Right

## Seed Rate Adjust Assembly, Right

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 172711 | SEED RATE ADJ ASSY, RIGHT | |
| 1 | 1-512-010005-03 | NUT, HEX LOCK 5/16-18 GRB | 2 |
| 2 | 1-861-010034-21 | WASHER, SPLIT LOCK 1 | 1 |
| 3 | 105909 | SCREW, RD HEAD SQ NECK 5/16-18 X 3/4 | 2 |
| 4 | 143901 | FLANGE, BEARING 2 HOLE | 2 |
| 5 | 144147 | BEARING, 52 MM OD X 1” ID | 1 |
| 6 | 168856 | BUSHING, SEED RATE | 1 |
| 7 | 168857 | BUSHING, SEED RATE LOCKING | 1 |
| 8 | 172704 | BRACKET, SEED RATE ADJUST | 1 |

# Seed Rate Adjust Assembly, Left

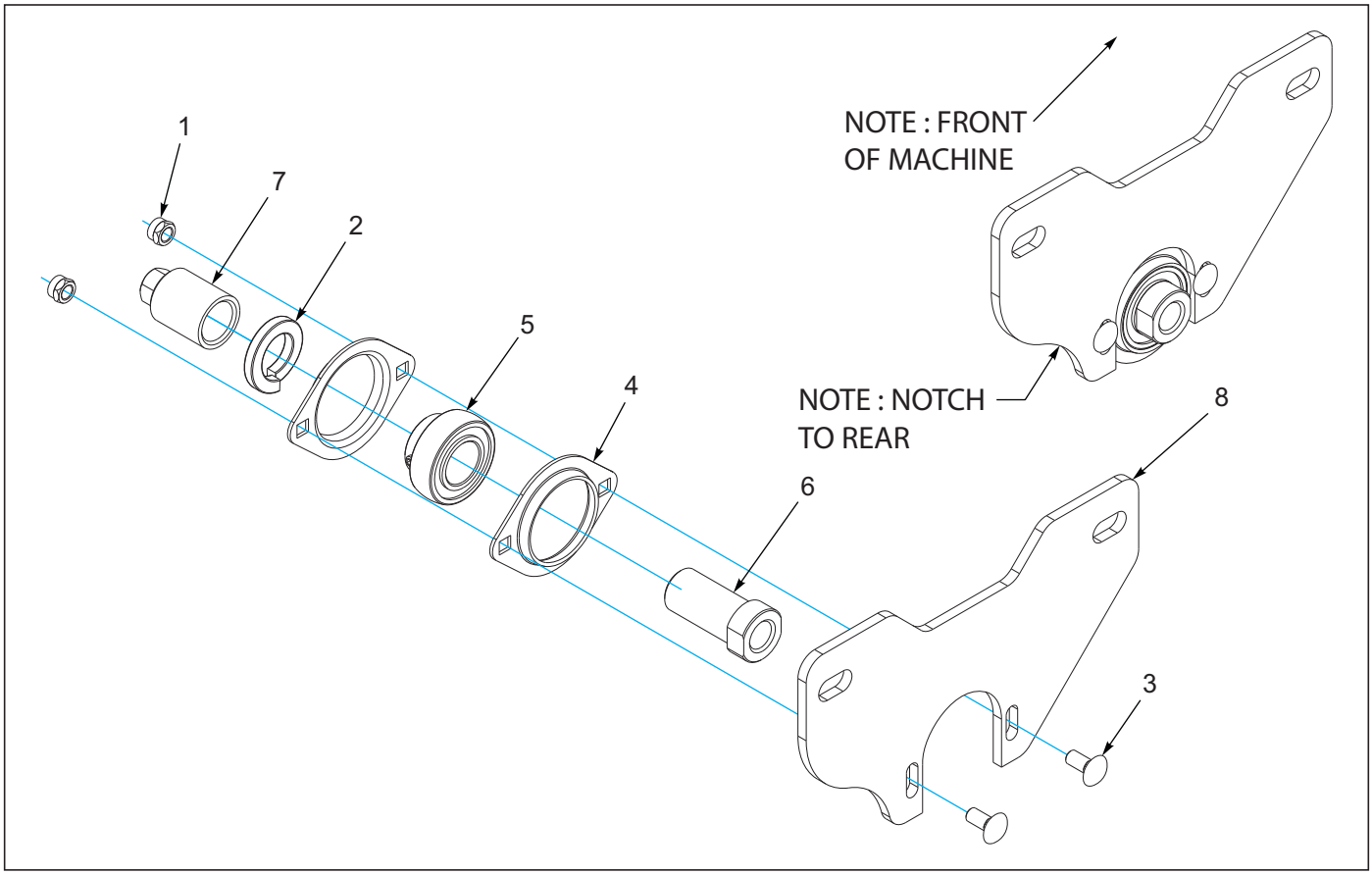



Figure 3-36: Seed Rate Adjust Assembly, Left

## Seed Rate Adjust Assembly, Left

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 172712 | SEED RATE ADJUST ASSEMBLY, LEFT | |
| 1 | 1-512-010005-03 | NUT, HEX LOCK 5/16-18 GRB | 2 |
| 2 | 1-861-010034-21 | WASHER, SPLIT LOCK 1 | 1 |
| 3 | 105909 | SCREW, RD HEAD SQ NECK 5/16-18 X 3/4 | 2 |
| 4 | 143901 | FLANGE, BEARING 2 HOLE | 2 |
| 5 | 144147 | BEARING, 52 MM OD X 1” ID | 1 |
| 6 | 168856 | BUSHING, SEED RATE | 1 |
| 7 | 168857 | BUSHING, SEED RATE LOCKING | 1 |
| 8 | 172704 | BRACKET, SEED RATE ADJUST | 1 |

# Agitator Assembly 5211-10’-12-1/2’

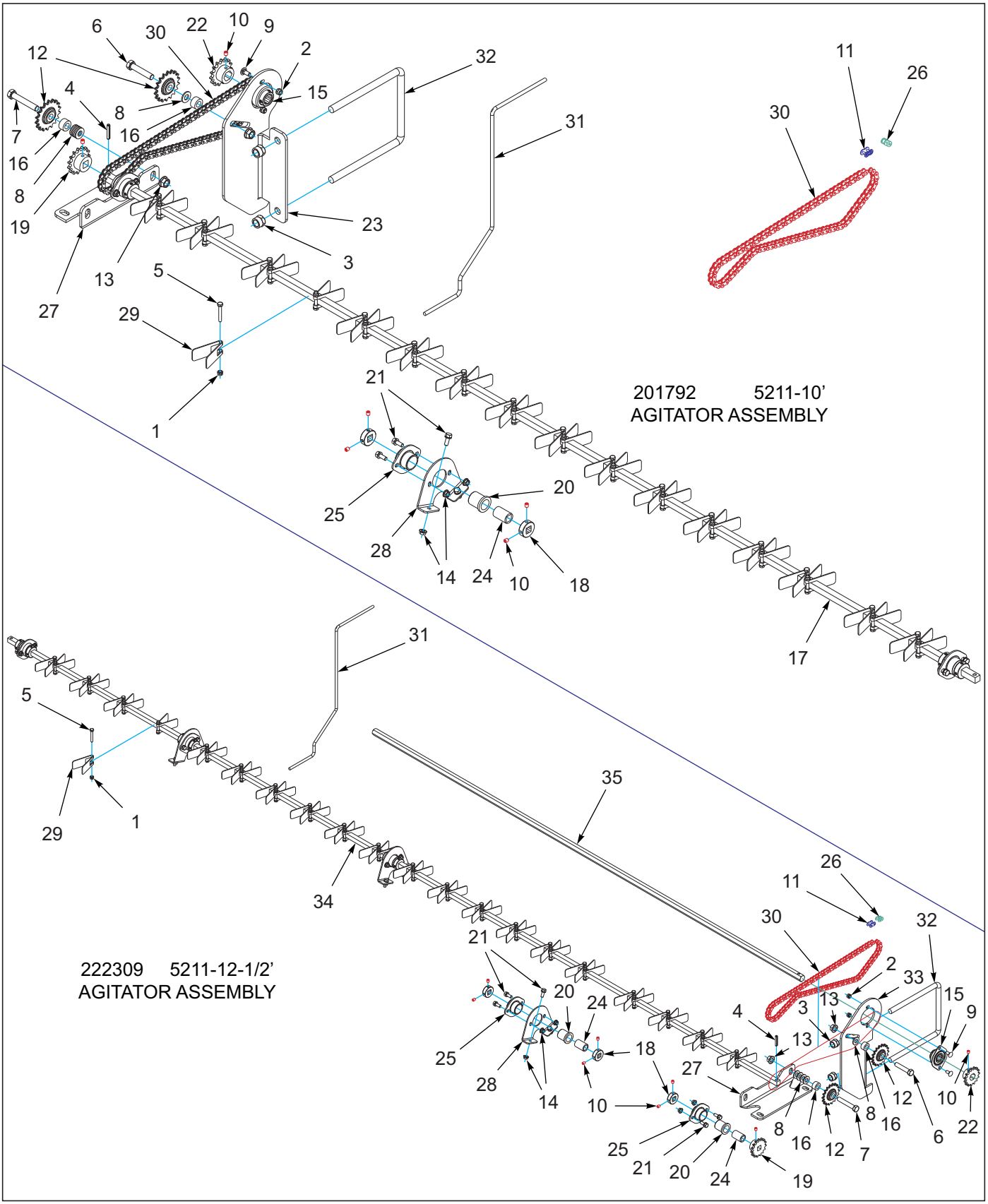



Figure 3-37: Agitator Assembly 5211-10’-12-1/2’

# Agitator Assembly 5211-10’-12-1/2’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 201792 | AGITATOR ASSY 5211-10 | * | |
| -- | 222309 | AGITATOR ASSY, 5211-12-1/2' | | * |
| 1 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 32 | 40 |
| 2 | 1-512-010005-03 | NUT HEX SLFLKG GRB 5/16-18 | 2 | 2 |
| 3 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 2 | 2 |
| 4 | 1-647-010004217 | SPRING PIN, SLOTTED 1/4X1-1/2 | 1 | 1 |
| 5 | 1-654-010047-09 | SCREW,HX CP,1/4-20UNCX1-3/4G5 | 32 | 40 |
| 6 | 1-654-010055-07 | SCREW HX CP 1/2-13UNCX2-1/2 | 1 | 1 |
| 7 | 1-654-010055-09 | SCREW,HX CP,1/2-13UNCX3 GR5 | 1 | 1 |
| 8 | 1-861-010032-14 | WASHER, FLAT 1/2" N ZP/CD | 5 | 5 |
| 9 | 105909 | SCREW,RDHD,SQNCK,5/16-18X3/4 | 2 | 2 |
| 10 | 107-0975 | SCREW SET LOCK 5/16-18X3/8LG | 11 | 19 |
| 11 | 119716 | CONNECTING LINK #40 CHAIN | 1 | 1 |
| 12 | 122871 | SPROCKET,TRANSMISSION IDLER | 2 | 2 |
| 13 | 124971 | NUT HX FLG 1/2-13 SPIRALOCK | 2 | 2 |
| 14 | 126561 | NUT,FLG HD,SERRATED,5/16-18ZP | 8 | 16 |
| 15 | 144060 | BEARING .875 HEX BORE, 2-BOLT | 1 | 1 |
| 16 | 144086 | SPACER 1 X 9/16 X 17/32 | 2 | 2 |
| 17 | 144143 | SHAFT, 5/8 SQ X 110 | 1 | -- |
| 18 | 144144 | COLLAR, SHAFT SET, 5/8 SQ | 5 | 9 |
| 19 | 144150 | SPROCKET, #40 X 15, 5/8 SQ | 1 | 1 |
| 20 | 144264 | BEARING, FLANGE 1" | 3 | 5 |
| 21 | 144268 | SCREW 5/16-18UNCX3/4FLG HD ZP | 8 | 16 |
| 22 | 151588 | SPROCKET, #40 X 15, 7/8 HEX | 1 | 1 |
| 23 | 158310 | BRACKET, GRASS SEED LEFT | 1 | -- |
| 24 | 159018 | SLEEVE,1 ODX5/8 SQ IDX1-1/2L | 3 | 5 |
| 25 | 159942 | MOUNT, BEARING WLDMT | 3 | 5 |
| 26 | 163981 | OFFSET LINK #40 | 1 | 1 |
| 27 | 168902 | BRACKET, SEED BOX AGITATOR | 1 | 1 |
| 28 | 189428 | BRACKET, AGITATOR SHAFT BRG | 1 | 3 |
| 29 | 189429 | AGITATOR, SEED | 32 | 40 |
| 30 | 189432 | ROLLER CHAIN, #40X87P 43-1/2L | 1 | 1 |
| 31 | 222308 | ROD, SEED LEVEL AGITATOR | 1 | 1 |
| 32 | 70593063 | U-BOLT | 1 | 1 |
| 33 | 158309 | BRACKET, GRASS SEED RIGHT | -- | 1 |
| 34 | 159897 | SHAFT, 5/8 SQ X 140 | -- | 1 |
| 35 | 159055 | SHAFT, 7/8 HEX 85L | -- | 1 |

# Agitator Assembly 5211-15’-20’

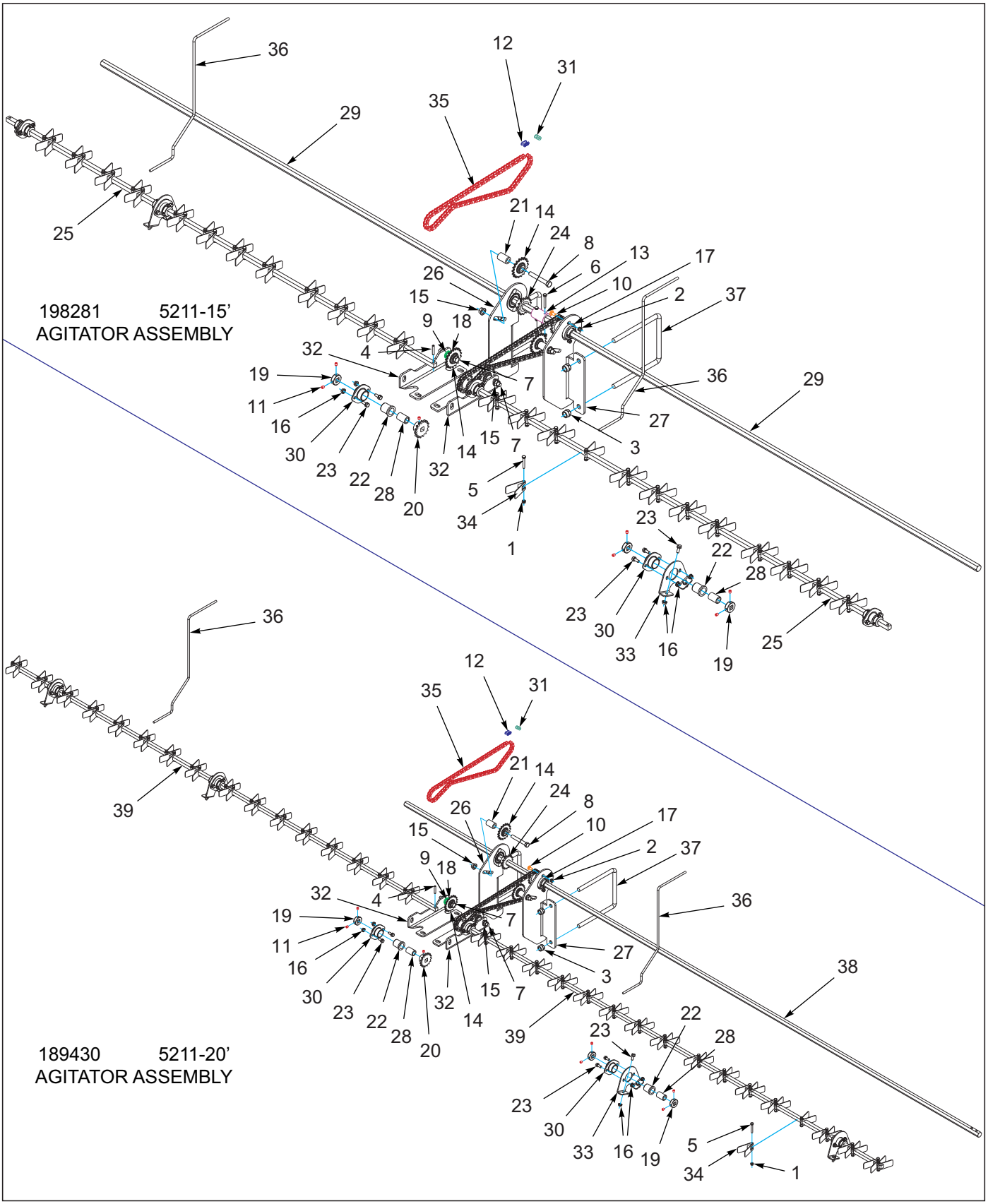



Figure 3-38: Agitator Assembly 5211-15’-20’

# Agitator Assembly 5211-15’-20’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 198281 | AGITATOR ASSY 5211-15 | * | |
| -- | 189430 | AGITATOR ASSY 5211-20 | | * |
| 1 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 50 | 64 |
| 2 | 1-512-010005-03 | NUT HEX SLFLKG GRB 5/16-18 | 4 | 4 |
| 3 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 4 | 4 |
| 4 | 1-647-010004217 | SPRING PIN, SLOTTED 1/4X1-1/2 | 2 | 2 |
| 5 | 1-654-010047-09 | SCREW,HX CP,1/4-20UNCX1-3/4G5 | 48 | 64 |
| 6 | 1-654-010047-10 | SCREW,HX CP,1/4-20UNC X2 GR5 | 2 | -- |
| 7 | 1-654-010055-09 | SCREW,HX CP,1/2-13UNCX3 GR5 | 2 | 2 |
| 8 | 1-654-010055-11 | SCREW,HX CP 1/2-13UNCX3-1/2 | 2 | 2 |
| 9 | 1-861-010032-14 | WASHER, FLAT 1/2" N ZP/CD | 8 | 8 |
| 10 | 105909 | SCREW,RDHD,SQNCK,5/16-18X3/4 | 4 | 4 |
| 11 | 107-0975 | SCREW SET LOCK 5/16-18X3/8LG | 22 | 22 |
| 12 | 119716 | CONNECTING LINK #40 CHAIN | 2 | 2 |
| 13 | 122853 | COUPLER, DRIVE SHAFT | 1 | -- |
| 14 | 122871 | SPROCKET,TRANSMISSION IDLER | 4 | 4 |
| 15 | 124971 | NUT HX FLG 1/2-13 SPIRALOCK | 4 | 4 |
| 16 | 126561 | NUT,FLG HD,SERRATED,5/16-18ZP | 19 | 20 |
| 17 | 144060 | BEARING .875 HEX BORE, 2-BOLT | 2 | 2 |
| 18 | 144086 | SPACER 1 X 9/16 X 17/32 | 2 | 2 |
| 19 | 144144 | COLLAR, SHAFT SET, 5/8 SQ | 10 | 10 |
| 20 | 144150 | SPROCKET, #40 X 15, 5/8 SQ | 2 | 2 |
| 21 | 144256 | SPACER 1 X 9/16 X 1-9/16 | 2 | 2 |
| 22 | 144264 | BEARING, FLANGE 1" | 6 | 6 |
| 23 | 144268 | SCREW 5/16-18UNCX3/4FLG HD ZP | 16 | 20 |
| 24 | 151588 | SPROCKET, #40 X 15, 7/8 HEX | 2 | 2 |
| 25 | 154836 | SHAFT, 5/8 SQ X 83 | 2 | -- |
| 26 | 158309 | BRACKET, GRASS SEED RIGHT | 1 | 1 |
| 27 | 158310 | BRACKET, GRASS SEED LEFT | 1 | 1 |
| 28 | 159018 | SLEEVE,1 ODX5/8 SQ IDX1-1/2L | 6 | 6 |
| 29 | 159055 | SHAFT, 7/8 HEX 85L | 2 | -- |
| 30 | 159942 | MOUNT, BEARING WLDMT | 6 | 6 |
| 31 | 163981 | OFFSET LINK #40 | 2 | 2 |
| 32 | 168902 | BRACKET, SEED BOX AGITATOR | 2 | 2 |
| 33 | 189428 | BRACKET, AGITATOR SHAFT BRG | 2 | 4 |
| 34 | 189429 | AGITATOR, SEED | 48 | 64 |
| 35 | 189432 | ROLLER CHAIN, #40X87P 43-1/2L | 2 | 2 |
| 36 | 222308 | ROD, SEED LEVEL AGITATOR | 2 | 2 |
| 37 | 70593063 | U-BOLT | 2 | 2 |
| 38 | 154869 | SHAFT, 7/8 HEX, 140 L | -- | 1 |
| 39 | 189431 | SHAFT, 5/8 SQ X 103-1/2 | -- | 2 |

# Opener Assemblies

## Air Opener Assembly

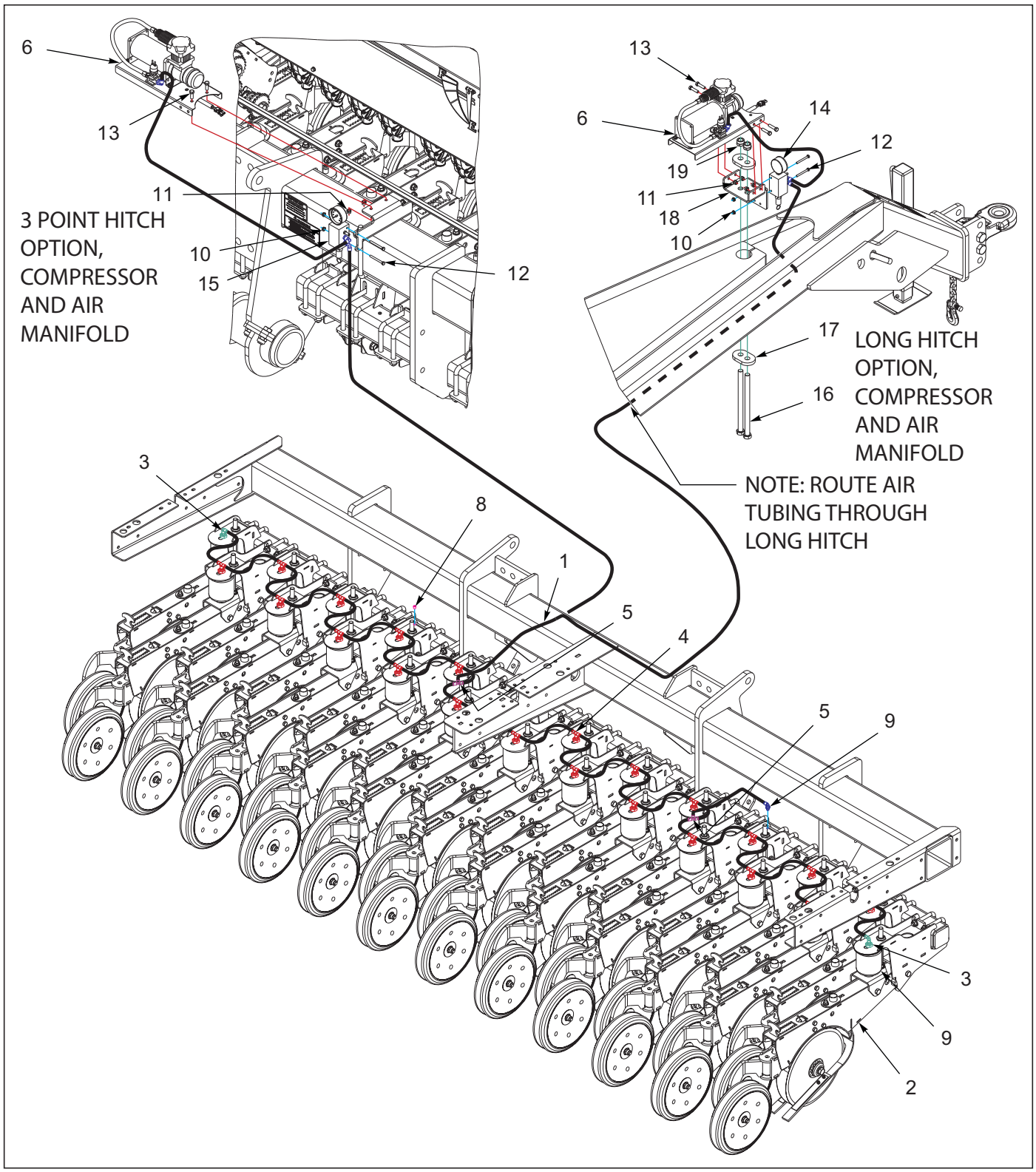



Figure 4-1: Air Opener Assembly

# Air Opener Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| - - | 158270 | OPENER ASSY, AIR 10X7.5 | * | | | | | | | |
| - - | 158271 | OPENER ASSY, AIR 10X10 | | * | | | | | | |
| - - | 158272 | OPENER ASSY, AIR 12.5X7.5 | | | * | | | | | |
| - - | 158273 | OPENER ASSY, AIR 12.5X10 | | | | * | | | | |
| - - | 158274 | OPENER ASSY, 15X7.5 AIR | | | | | * | | | |
| - - | 158275 | OPENER ASSY, AIR 15X10 | | | | | | * | | |
| - - | 158276 | OPENER ASSY, AIR 20X7.5 | | | | | | | * | |
| - - | 158277 | OPENER ASSY, AIR 20X10 | | | | | | | | * |
| 1 | 1-833-010001 | TUBING NYLON 1/4 OD | AR | AR | AR | AR | AR | AR | AR | AR |
| 2 | 144316 | OPENER ASSY, AIR SHORT **(SEE PAGE 4-7)** | 8 | 6 | 10 | 8 | 12 | 9 | 16 | 12 |
| 2 | 144317 | OPENER ASSY, AIR LONG**(SEE PAGE 4-7)** | 8 | 6 | 10 | 7 | 12 | 9 | 16 | 12 |
| 3 | 151590 | MALE ELBOW, 1/4 OD X 1/8 NPT | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 4 | 151591 | MALE BRANCH TEE,1/4 ODX1/8NPT | 14 | 10 | 18 | 13 | 22 | 16 | 30 | 22 |
| 5 | 151592 | UNION TEE, 1/4 OD TUBE | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| 6 | 187518 | COMPRESSOR ASSY, AIR 12V**(SEE PAGE 4-3)** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7 | 187491 | MALE ELBOW, 1/4ODX1/4NPT | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 8 | 1-560-010002-02 | PLUG, PIPE, 1/4NPT | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 9 | 144237 | SPRING, AIR 4.1 DIA | REF | REF | REF | REF | REF | REF | REF | REF |
| 10 | 108417 | NUT SPIRAL 1/4-20HX FG | REF | REF | REF | REF | REF | REF | REF | REF |
| 11 | 1-512-010005-05 | NUT, HEX, SLFLKG GRB 3/8-16 | REF | REF | REF | REF | REF | REF | REF | REF |
| 12 | 1-654-010047-12 | SCREW,HEX 1/4-20UNCX2-1/2 | REF | REF | REF | REF | REF | REF | REF | REF |
| 13 | 1-654-010051-05 | SCREW,HEX CAP 3/8-16UNCX1 GR5 | REF | REF | REF | REF | REF | REF | REF | REF |
| 14 | 158285 | AIR MANIFOLD ASSY **(SEE PAGE 4-5)** | REF | REF | REF | REF | REF | REF | REF | REF |
| 15 | 154864 | AIR MANIFOLD ASSY **(SEE PAGE 4-5)** | REF | REF | REF | REF | REF | REF | REF | REF |
| 16 | 100809 | SCREW,HEX CAP,3/4-10X11-1/2G5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 17 | 176766 | PLATE, WEIGHT LOCK | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 18 | 179786 | BRACKET, COMPRESSOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 1-512-010005-15 | NUT,HEX,SLFLKG GRB 3/4-10 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

# 12V Air Compressor Assembly

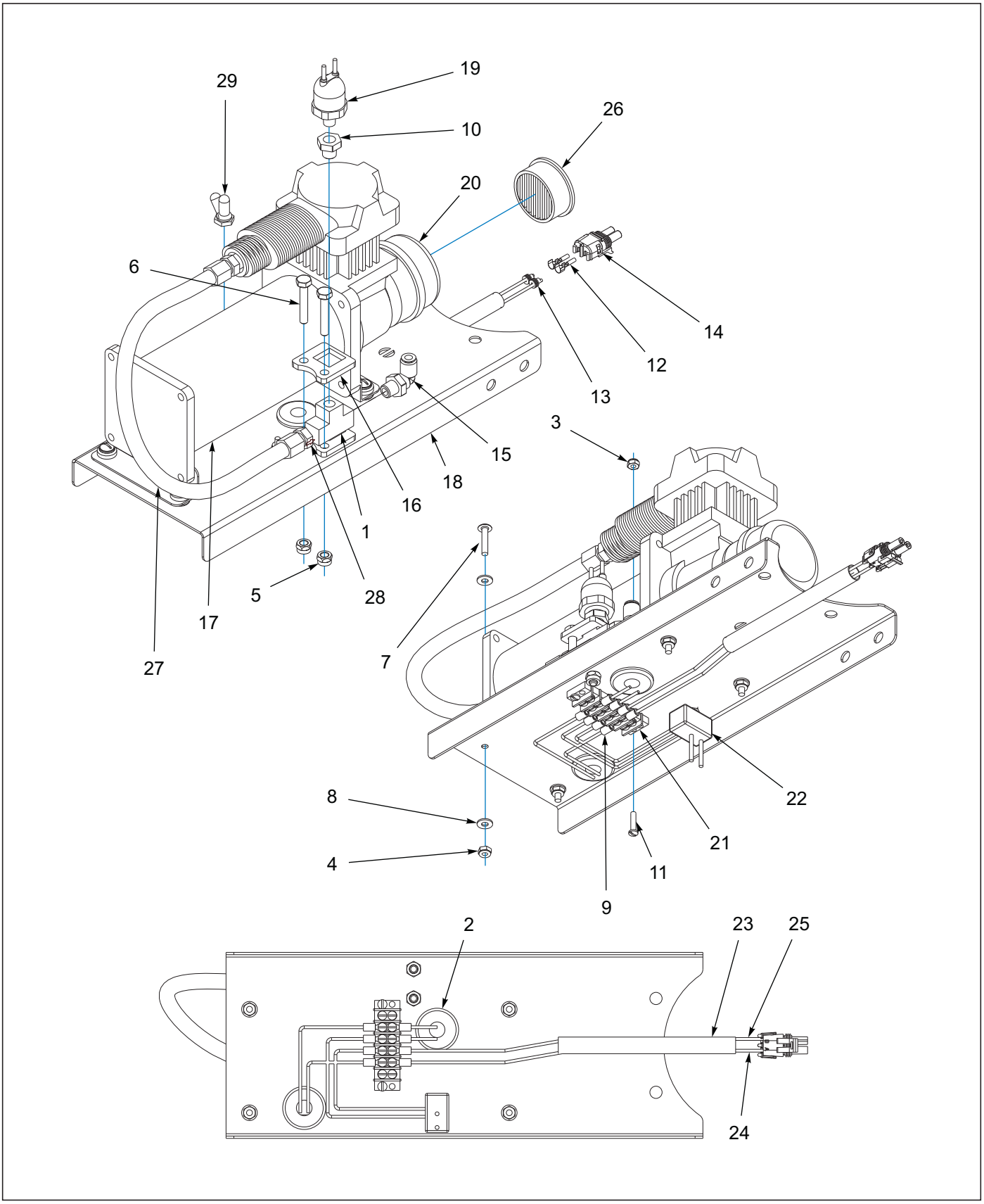



Figure 4-2: 12V Air Compressor Assembly

# 12V Air Compressor Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 187518 | COMPRESSOR ASSY, AIR 12V | |
| 1 | 1-297-010009-02 | FITTING,AIR,PIPE TEE 1/4 | 1 |
| 2 | 1-343-010001 | GROMMET RUB 1-3/8ODX3/4IDX1/8 | 2 |
| 3 | 1-512-010003-03 | NUT,HX 8-32,SLF-LKG W/NYL | 2 |
| 4 | 1-512-010003-06 | NUT,HEX,SLFLKG W/NLY 10-24 | 4 |
| 5 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 2 |
| 6 | 1-654-010047-08 | SCREW HX CP,1/4-20UNCX1-1/2G5 | 2 |
| 7 | 1-656-010003053 | SCREW RD HD MACH 10-24X1 | 4 |
| 8 | 1-861-010032-03 | WASHER, FLAT #10 ZP/CD | 8 |
| 9 | 101552 | SNAP SPADE,#6 STUD SIZE 14-16 | 8 |
| 10 | 102-0114 | BUSHING,HX 1/4NPTX1/8NPT BRS | 1 |
| 11 | 111-0600 | SCREW,MACHINE-RD.HD.#8-32X3/4 | 2 |
| 12 | 139974 | TERMINAL FEMALE 16-14AWG **(PACKARD)** | 2 |
| 13 | 154851 | SEAL, CABLE WEATHER PACK | 2 |
| 14 | 154852 | TOWER, 2-PIN WEATHER PACK | 1 |
| 15 | 187491 | MALE ELBOW, 1/4ODX1/4NPT | 1 |
| 16 | 187519 | CLAMP PLATE, TEE | 2 |
| 17 | 187520 | COMPRESSOR, AIR | 1 |
| 18 | 187521 | MOUNT, AIR COMPRESSOR | 1 |
| 19 | 187522 | SWITCH, PRESSURE SEALED | 1 |
| 20 | 194674 | FILTER, AIR | 1 |
| 21 | 2-788-010010 | TERMINAL STRIP 10-18AWG | 1 |
| 22 | 3-272-010017 | TOGGLE SWITCH SEALED SPST | 1 |
| 23 | 160406 | LOOM,1/4"BLK SPIRAL LDPE WIRE | 1.5FT |
| 24 | 1-879-010011 | WIRE BLACK 14 AWG | 2 FT |
| 25 | 239-8101-14 | WIRE #14 AWG RED 19STRAND | 1 FT |
| 26 | 194675 | FILTER, ELEMENT | 1 |
| 27 | 224573 | HOSE, AIR W/CHECK VALVE | 1 |
| 28 | 199396 | VALVE, AIR CHECK | 1 |
| 29 | 81264 | RUBBER BOOT FOR ELECT SWITCH | 1 |
| 30 | HEHM240 | TUBING HEAT SHRINK 1/4" BLACK **(NOT SHOWN)** | .333 |
| 31 | 203063 | KIT, HD COMPRESSOR W/O WIRING **(NOT SHOWN)** **(USE TO REPLACE 154850 COMPRESSOR ASSEMBLY)** | 1 |

# Air Manifold Assembly

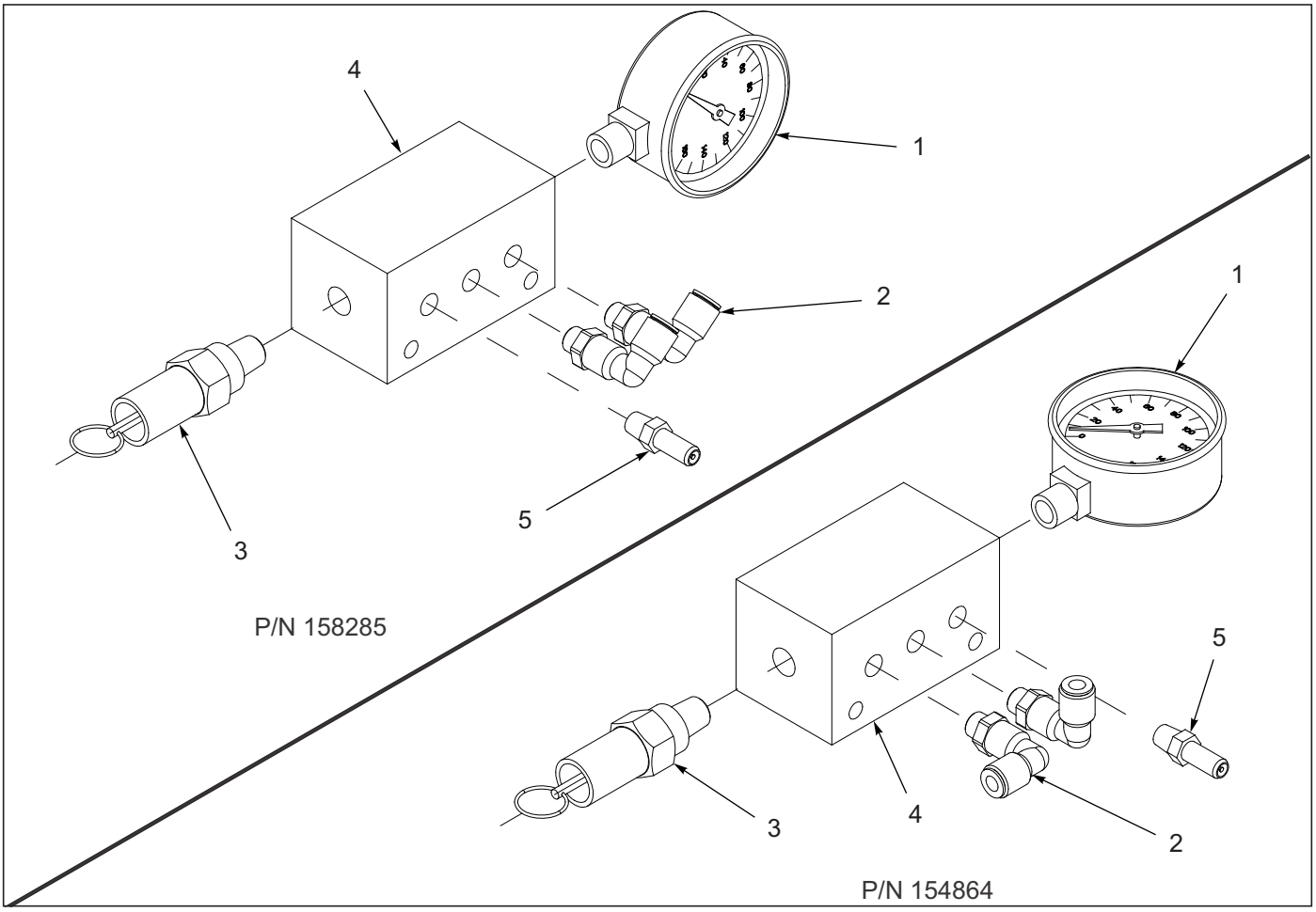



**Figure 4-3: Air Manifold Assembly**

# Air Manifold Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 158285 | AIR MANIFOLD ASSEMBLY **(USED ON LONG AND COULTER HITCH ASSEMBLIES)** | |
| -- | 154864 | AIR MANIFOLD ASSEMBLY **(USED ON 3 POINT HITCH ASSEMBLY)** | |
| 1 | 1-323-010008 | GAUGE, PRESSURE 0 - 160 PSI | 1 |
| 2 | 151590 | MALE ELBOW | 2 |
| 3 | 151595 | VALVE, AIR RELIEF | 1 |
| 4 | 151604 | MANIFOLD, AIR | 1 |
| 5 | 151610 | VALVE, AIR | 1 |

Table provided for general use.

| NOTES: |
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# Opener Assembly Air

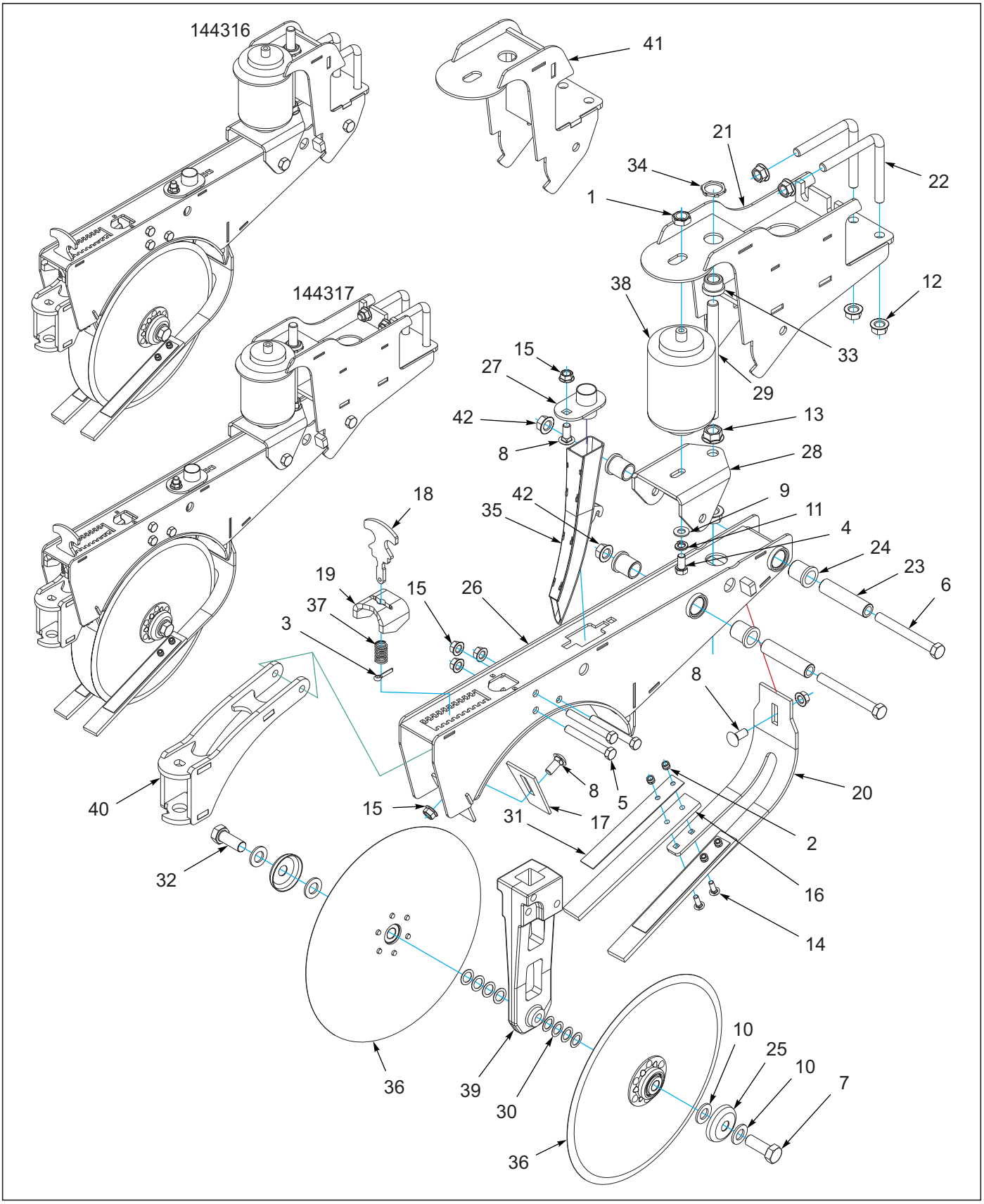



**Figure 4-4: Opener Assembly Air**

# Opener Assembly Air

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 144316 | AIR OPENER ASSEMBLY, SHORT | |
| -- | 144317 | AIR OPENER ASSEMBLY, LONG | |
| 1 | 1-511-010002-08 | NUT, HEX JAM 3/4-16 GRB | 1 |
| 2 | 1-512-010005-03 | NUT, HEX LOCK 5/16-18 GRB | 4 |
| 3 | 1-557-010362-59 | PIN, COTTER 1/4 X 1 | 1 |
| 4 | 1-654-010055-01 | SCREW, HEX HEAD CAP 1/2-13 X 1 GR5 | 1 |
| 5 | 1-654-010055-13 | SCREW, HEX HEAD CAP 1/2-13 X 4 GR5 | 3 |
| 6 | 1-654-010059-16 | SCREW, HEX HEAD CAP 5/8-11 X 5-1/2 | 2 |
| 7 | 1-654-010061-05 | SCREW, HEX HEAD CAP 3/4-10 X 2 GR5 | 1 |
| 8 | 1-654-010070-02 | SCREW, RD HEAD SQ NECK 1/2-13 X 1-1/4 | 3 |
| 9 | 1-861-010032-14 | WASHER, FLAT 1/2N | 1 |
| 10 | 1-861-010032-20 | WASHER, FLAT 3/4N | 4 |
| 11 | 1-861-010034-13 | WASHER, SPLIT LOCK 1/2 | 1 |
| 12 | 100827 | NUT, FLANGE HEAD SERRATED 5/8-11 | 6 |
| 13 | 103841 | NUT, FLANGE PREVAILING TORQUE 3/4-10 | 2 |
| 14 | 104031 | SCREW, RD HEAD SQ NECK 5/16-18 X 1 GR5 | 4 |
| 15 | 1-510-010003-09 | NUT, FLANGE HEAD SERRATED 1/2-13 | 6 |
| 16 | 143904 | STRIP, SOIL | 2 |
| 17 | 143910 | SCRAPER, OPENER | 1 |
| 18 | 143915 | HANDLE, PRESS WHEEL ADJ | 1 |
| 19 | 143924 | STOP, PRESS WHEEL ADJ | 1 |
| 20 | 143937 | BRACKET, SOIL STRIP | 1 |
| 21 | 143963 | MOUNT, OPENER LONG | 1 |
| 22 | 143966 | L-BOLT, 5/8 X 5-1/2 X 5-1/2 | 2 |
| 23 | 143971 | BUSHING, OPENER CLAMP | 2 |
| 24 | 144264 | BEARING, FLANGE 1" | 4 |
| 25 | 144266 | COVER, OPENER DUST | 2 |
| 26 | 144275 | ARM, OPENER | 1 |
| 27 | 144328 | TUBE, SEED | 1 |
| 28 | 144331 | PIVOT, AIR SPRING | 1 |
| 29 | 144332 | ROD, GUIDE | 1 |
| 30 | 144335 | SHIM, STEEL | 8 |
| 31 | 144336 | STRIP, SOIL BACKING | 2 |
| 32 | 144337 | SCREW, HEX HEAD CAP LH 3/4-10 X 2 GR5 | 1 |
| 33 | 144348 | BUSHING, GUIDE ROD | 1 |
| 34 | 144349 | LOCKNUT, 1" CONDUIT | 1 |
| 35 | 151543 | TUBE, SEED | 1 |
| 36 | 143880 | DISC BLADE ASSEMBLY 15.8 X 138 | 2 |
| 37 | 143898 | SPRING, COMPRESSION, 2-1/2 | 1 |
| 38 | 144237 | SPRING, AIR 4.1 DIA | 1 |
| 39 | 144324 | BAR, CASTING OPENER | 1 |
| 40 | 143920 | SWIVEL, PRESSWHEEL | 1 |
| 41 | 143962 | MOUNT, OPENER SHORT | 1 |
| 42 | 29SFFL 5811 | NUT,FLANGE HEAD LOCK5/8-11UNC | 2 |

# Press Wheel Assembly Air Opener

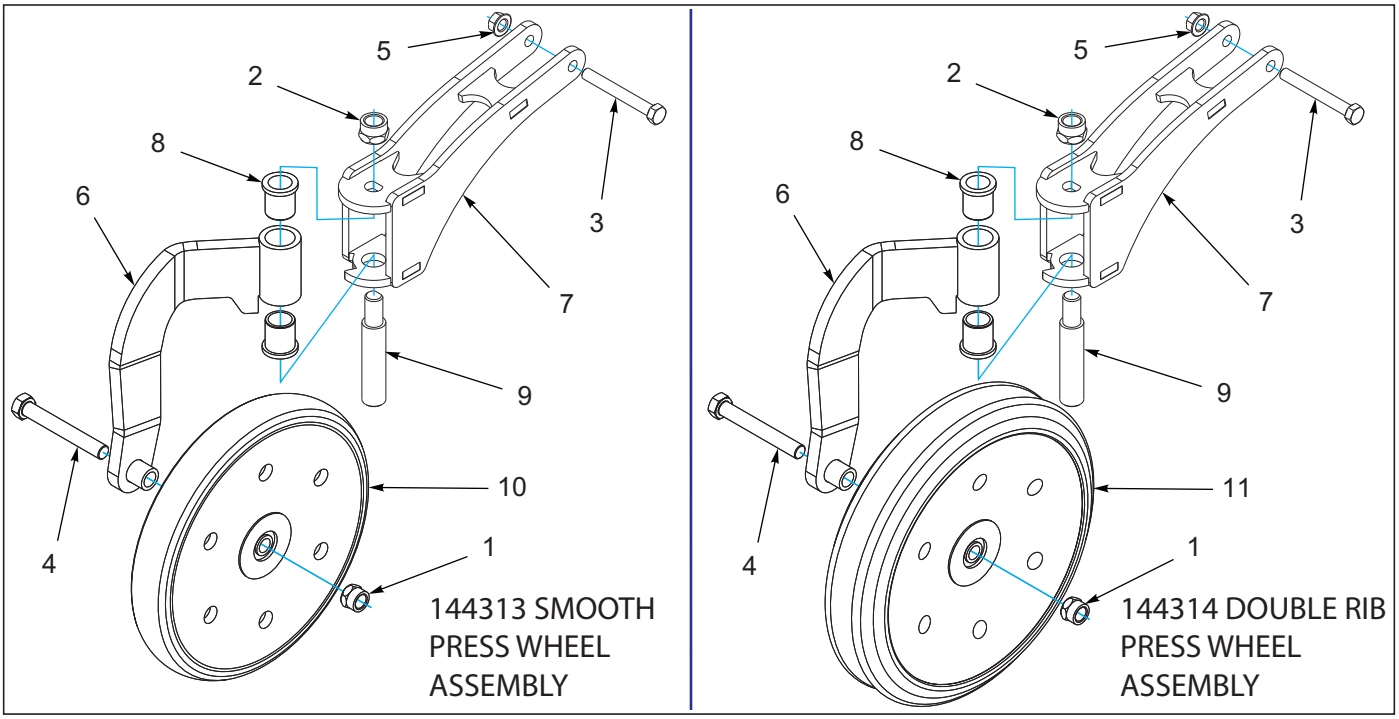



**Figure 4-5: Press Wheel Assembly Air Opener**

# Press Opener Assembly Air Opener

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 144313 | PRESSWHEEL ASSY 2X13 SMOOTH **(ITEMS 1, 4, 6, 8, 9, 10)** | |
| -- | 144314 | PRESSWHEEL ASSY 3X13DOUBLE RIB **(ITEMS 1, 4, 6, 8, 9, 11)** | |
| 1 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 1 |
| 2 | 1-512-010005-15 | NUT,HEX,SLFLKG GRB 3/4-10 | 1 |
| 3 | 1-654-010055-13 | SCREW,HEX CAP,1/2-13UNCX4 GR5 | 1 |
| 4 | 1-654-010059-14 | SCREW HX CP,5/8-11UNCX4-1/2G5 | 1 |
| 5 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 1 |
| 6 | 143906 | ARM, PRESSWHEEL WLDMT | 1 |
| 7 | 143920 | SWIVEL, PRESSWHEEL WLDMT | 1 |
| 8 | 144264 | BEARING, FLANGE 1" | 2 |
| 9 | 151530 | PIN, PRESSWHEEL ARM | 1 |
| 10 | 144271 | PRESS WHEEL, 2X13 SMOOTH | 1 |
| 11 | 144272 | PRESS WHEEL, 3X13 DOUBLE RIB | 1 |

Table provided for general use.

| NOTES: |
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# Opener Assembly Spring

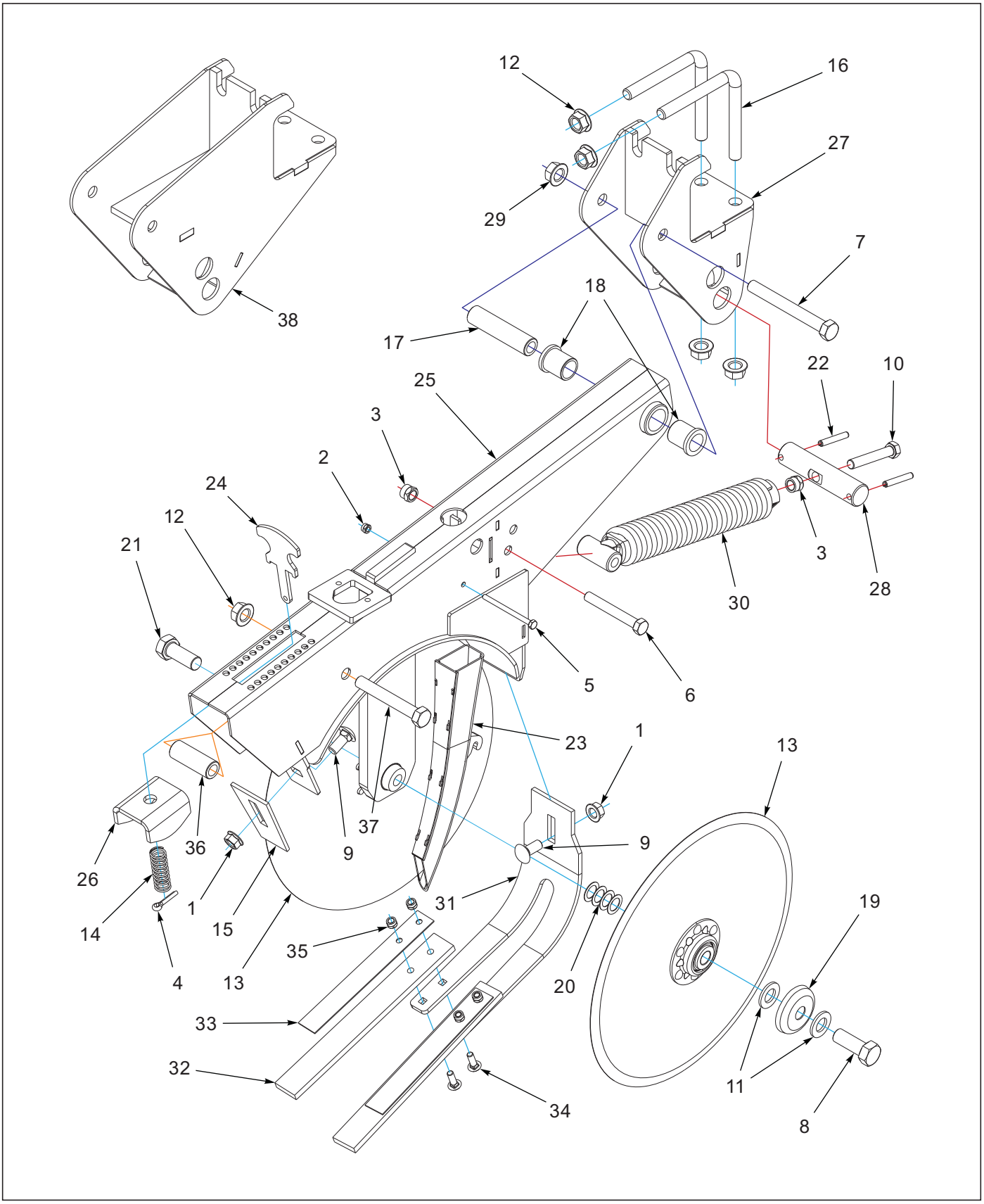



Figure 4-6: Opener Assembly Spring

# Opener Assembly Spring

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 214805 | OPENER ASSY, SHORT WO/SS | * | |
| -- | 214806 | OPENER ASSY, LONG WO/SS | | * |
| -- | 212777 | OPENER ASSY, SHORT W/SS | * | |
| -- | 212778 | OPENER ASSY, LONG W/SS | | * |
| 1 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 1 | 2 |
| 2 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 1 | 1 |
| 3 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB | 2 | 2 |
| 4 | 1-557-010362-59 | PIN,COTTER 1/4X1 | 1 | 1 |
| 5 | 1-654-010047-16 | SCREW,HX CP 1/4-20UNCX3.50 G5 | 1 | 1 |
| 6 | 1-654-010055-12 | SCREW,CP,HX .50-13UNCX3.75 GR5 | 1 | 1 |
| 7 | 1-654-010059-16 | SCREW,HEX CAP,5/8-11UNCX5.50 | 1 | 1 |
| 8 | 1-654-010061-05 | SCREW,HHC,3/4-10UNCX2,GR5,ZP | 1 | 1 |
| 9 | 1-654-010070-02 | SCREW 1/2-13X1-1/4 RD HD SQNK | 1 | 2 |
| 10 | 116716 | SCREW,HX CP,1/2-13X4 FULL THD | 1 | 1 |
| 11 | 1-861-010032-20 | WASHER, FLAT,3/4 N ZP/CD | 4 | 4 |
| 12 | 100827 | NUT,FLG HD,SERRATED,5/8-11 | 5 | 5 |
| 13 | 143880 | DISC BLADE ASSY, 15.8" X .138 | 2 | 2 |
| 14 | 143898 | SPRING COMPRESSION 2-1/2" L | 1 | 1 |
| 15 | 143910 | SCRAPER,OPENER | 1 | 1 |
| 16 | 143966 | L-BOLT, 5/8X5-1/2X5-1/2 | 2 | 2 |
| 17 | 143971 | BUSHING, OPENER CLAMP | 1 | 1 |
| 18 | 144264 | BEARING FLANGE | 2 | 2 |
| 19 | 144266 | COVER,OPENER DUST | 2 | 2 |
| 20 | 144335 | SHIM,STEEL .031X.75 IDX1.125 | 8 | 8 |
| 21 | 144337 | SCREW CAP 3/4-10X2 GR5 LH | 1 | 1 |
| 22 | 147072 | PIN, SPRING SLOTTED 5/16 X 2 | 2 | 2 |
| 23 | 151543 | TUBE, SEED | 1 | 1 |
| 24 | 211091 | HANDLE, PRESSWHEEL ADJ | 1 | 1 |
| 25 | 212780 | ARM, OPENER WLDMT | 1 | 1 |
| 26 | 212789 | STOP, PRESSWHEEL ARM | 1 | 1 |
| 27 | 212792 | MOUNT, OPENER SHORT WLDMT | 1 | 1 |
| 28 | 212799 | PIN, OPENER SPRING | 1 | 1 |
| 29 | 29SFFL 5811 | NUT,FLANGE HEAD LOCK5/8-11UNC | 1 | 1 |
| 30 | 8-183-010058 | ASSY FIELD CULT SPRING | 1 | 1 |
| 31 | 143937 | BRACKET, SOIL STRIP | -- | 1 |
| 32 | 143904 | STRIP, SOIL | -- | 2 |
| 33 | 144336 | STRIP, SOIL BACKING | -- | 2 |
| 34 | 104031 | SCREW,RDHD,SQNK 5/16-18X1 GR5 | -- | 2 |
| 35 | 1-512-010005-03 | NUT HEX SLFLKG GRB 5/16-18 | -- | 2 |
| 36 | 213921 | BUSHING, PRESS WHEEL ARM **(USED TO ATTACH PRESS WHEEL ASSEMBLY) (SEE PAGE 4-13)** | 1 | 1 |
| 37 | 1-654-010059-13 | SCREW HEX CAP 5/8-11X4UNC GR5 **(USED TO ATTACH PRESS WHEEL ASSEMBLY) (SEE PAGE 4-13)** | 1 | 1 |
| 38 | 212793 | MOUNT, OPENER LONG WLDMT | 1 | 1 |

# Press Wheel Assembly Spring Opener

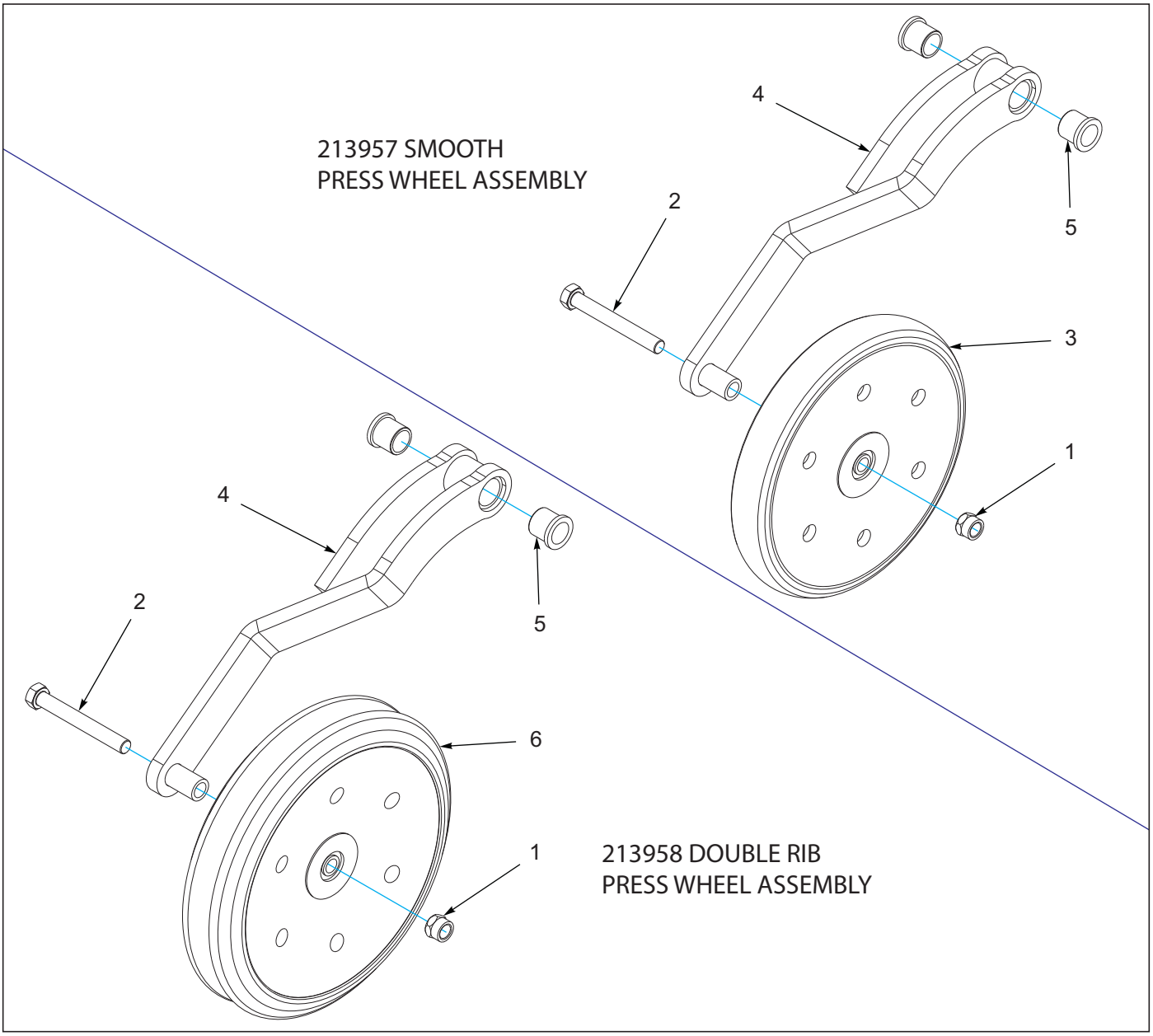



**Figure 4-7: Press Wheel Assembly Spring Opener**

# Press Opener Assembly Spring Opener

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 213957 | SPRING-2X13 SMOOTH PW ASSY | |
| -- | 213958 | SPRING-3X13 DBL RIB PW ASSY | |
| 1 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 1 |
| 2 | 1-654-010059-15 | SCREW,HEX CAP,5/8-11UNCX5 GR5 | 1 |
| 3 | 144271 | PRESS WHEEL, 2X13 SMOOTH | 1 |
| 4 | 212798 | ARM, PRESSWHEEL WLDMT | 1 |
| 5 | 213956 | BEARING FLANGE, 1 X 1-1/4L | 2 |
| 6 | 144272 | PRESS WHEEL, 3X13 DOUBLE RIB | 1 |

Table provided for general use.

| NOTES: |
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# Rebounder Assembly

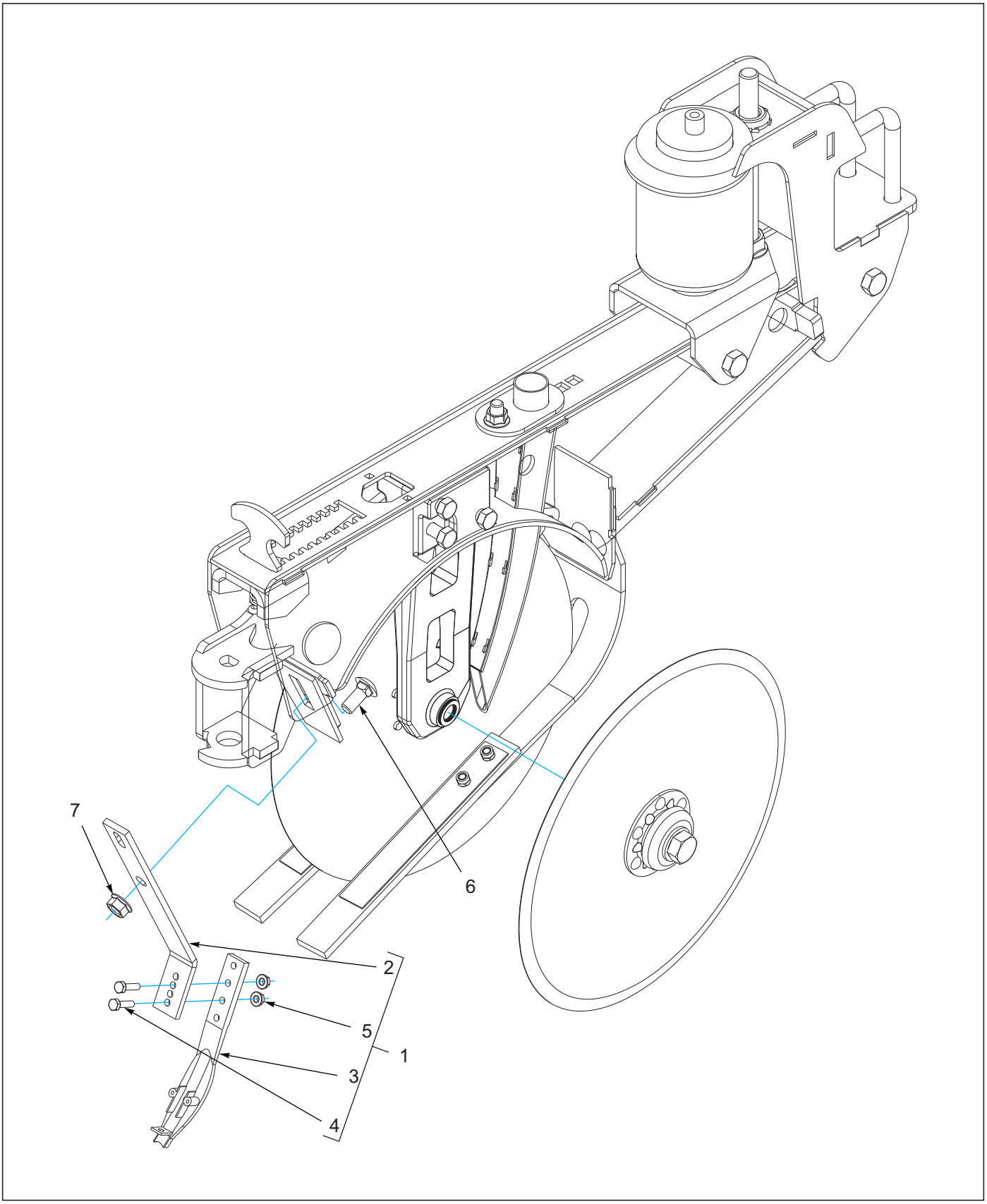



Figure 4-8: Rebounder Assembly

# Rebounder Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 224584 | ASSY, REBOUNDER W/MOUNT **(INCLUDES ITEMS 2-5)** | |
| 2 | 224587 | BRACKET, REBOUNDER MOUNT ASSY **(INCLUDES ITEMS 2, 4, 5)** | 1 |
| 3 | 224585 | REBOUNDER, ORANGE | 1 |
| 4 | 1-654-010047-06 | SCREW,HX CP 1/4-20UNCX1 GR5 | 2 |
| 5 | 142779 | NUT,FLANG SERRATED 1/4-20 | 2 |
| 6 | 1-654-010070-02 | SCREW 1/2-13X1-1/4 RD HD SQNK | 1 |
| 7 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 1 |

# Small Seed Box Assemblies

## Small Seed Box Assembly

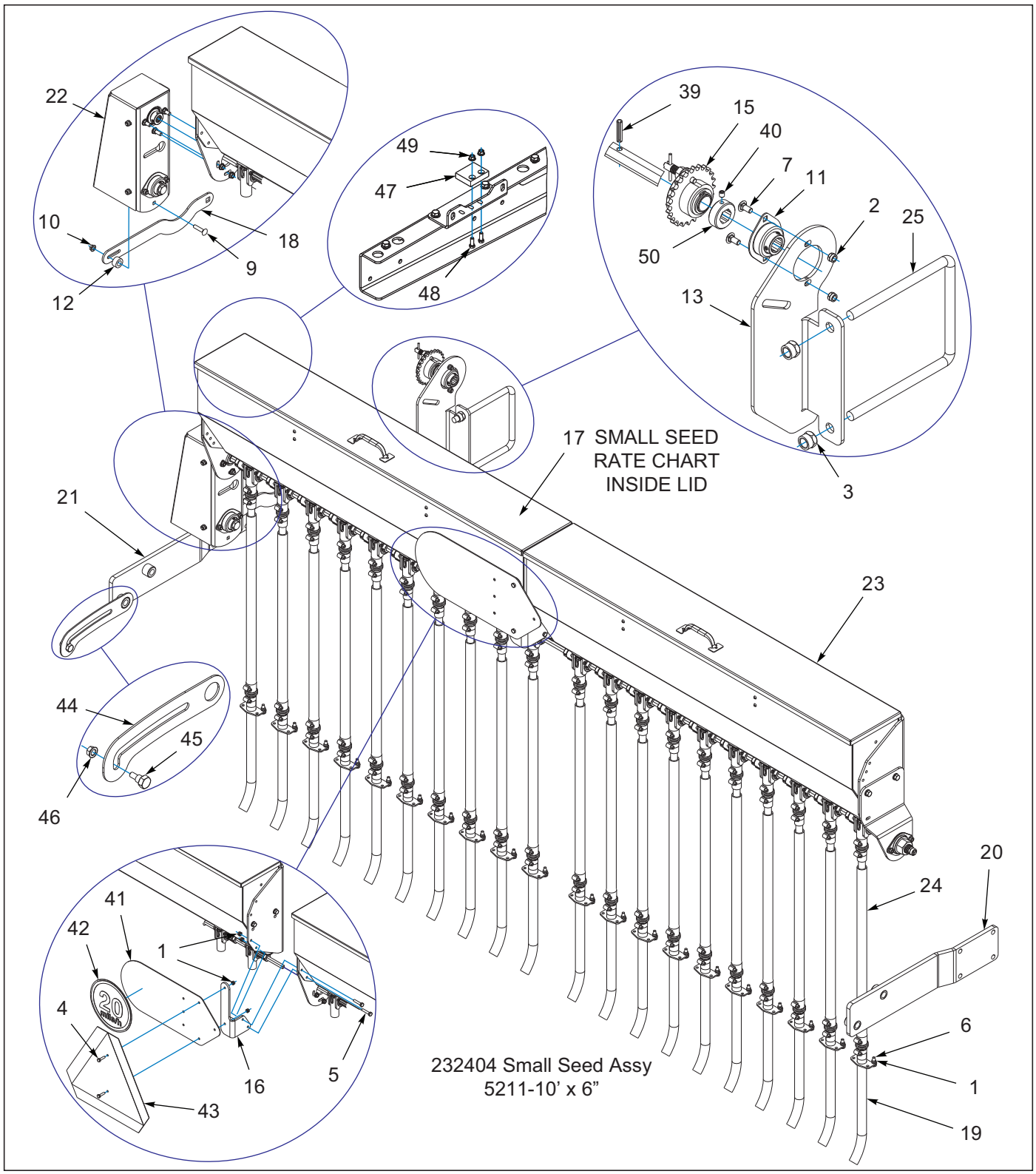



Figure 5-1: Small Seed Box Assembly 5211-10' x 6" (1 of 7)

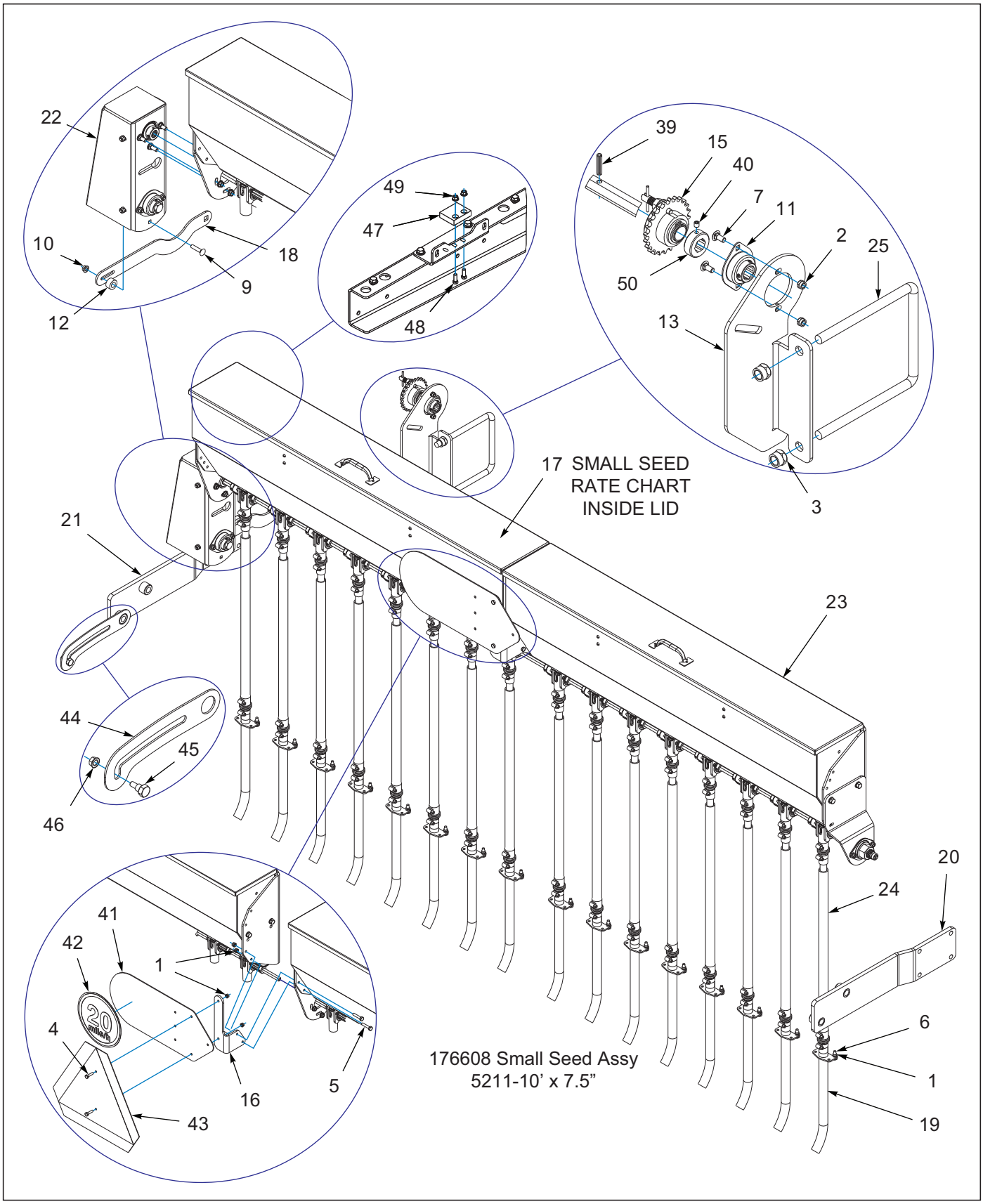



**Figure 5-2: Small Seed Box Assembly 5211-10' x7.5" (2 of 7)**

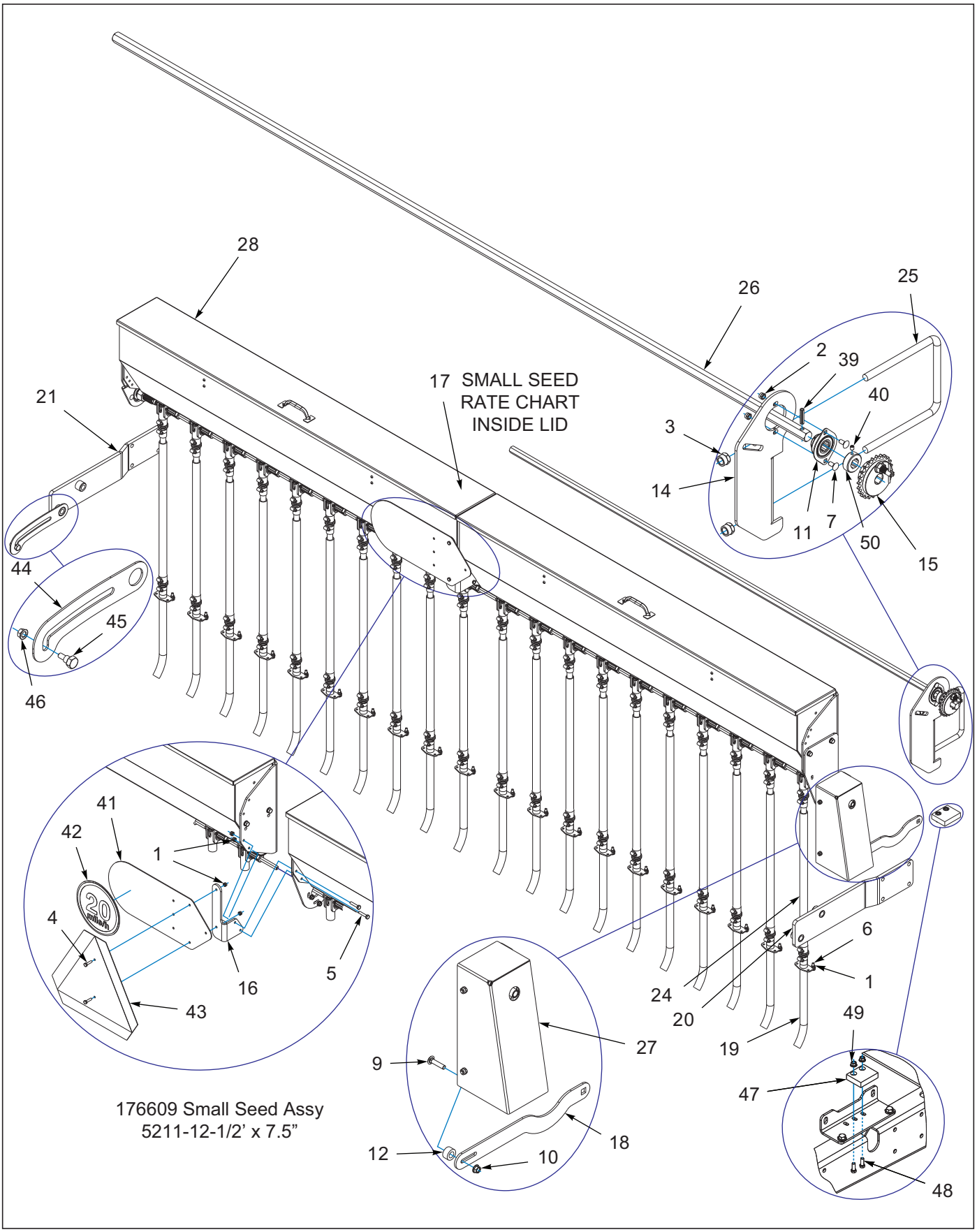



**Figure 5-3: Small Seed Box Assembly 5211-12-1/2' x 7.5" (3 of 7)**

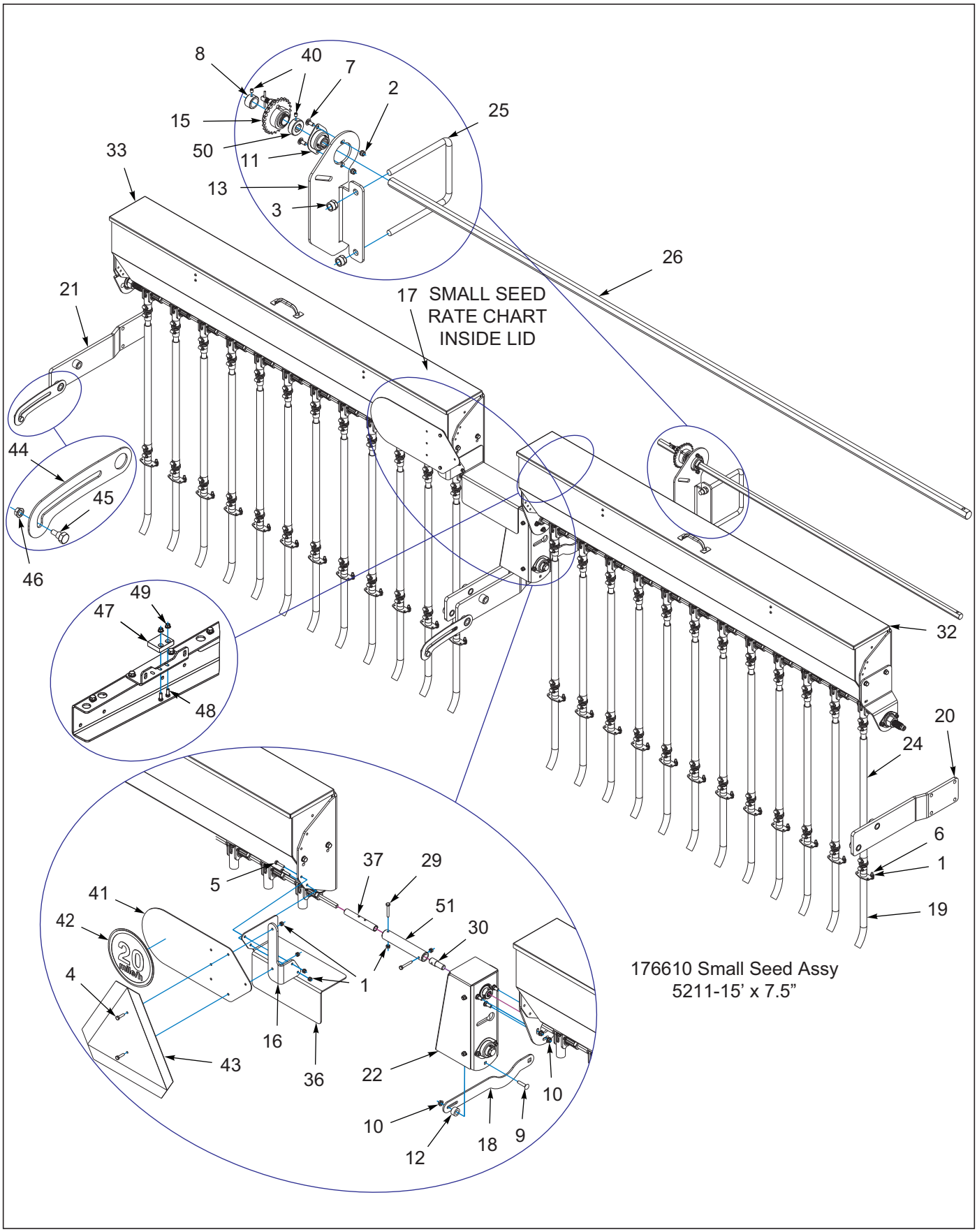



**Figure 5-4: Small Seed Box Assembly 5211-15' x 7.5 (4 of 7)**

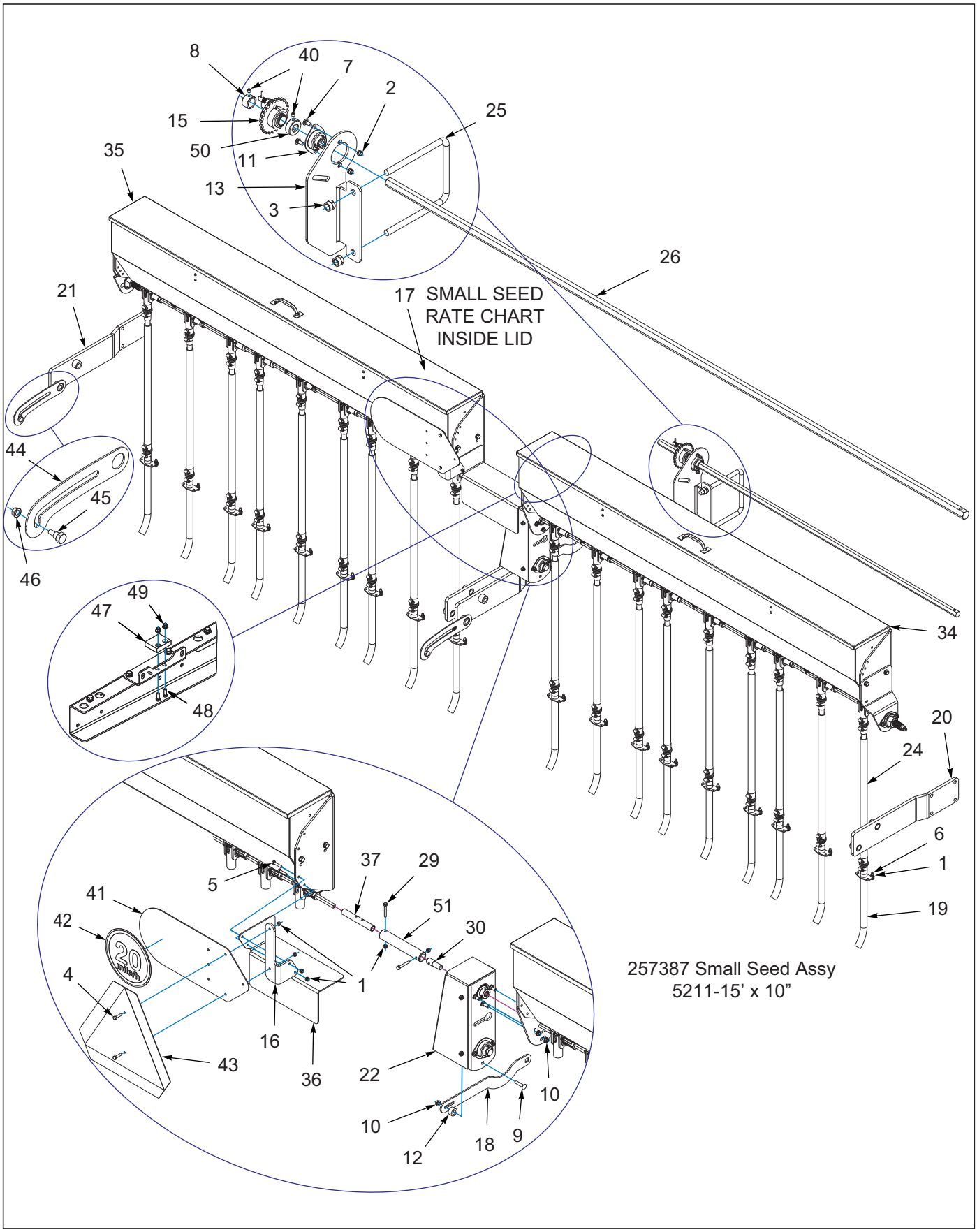



**Figure 5-5: Small Seed Box Assembly 5211-15' 15 x 10 (5 of 7)**

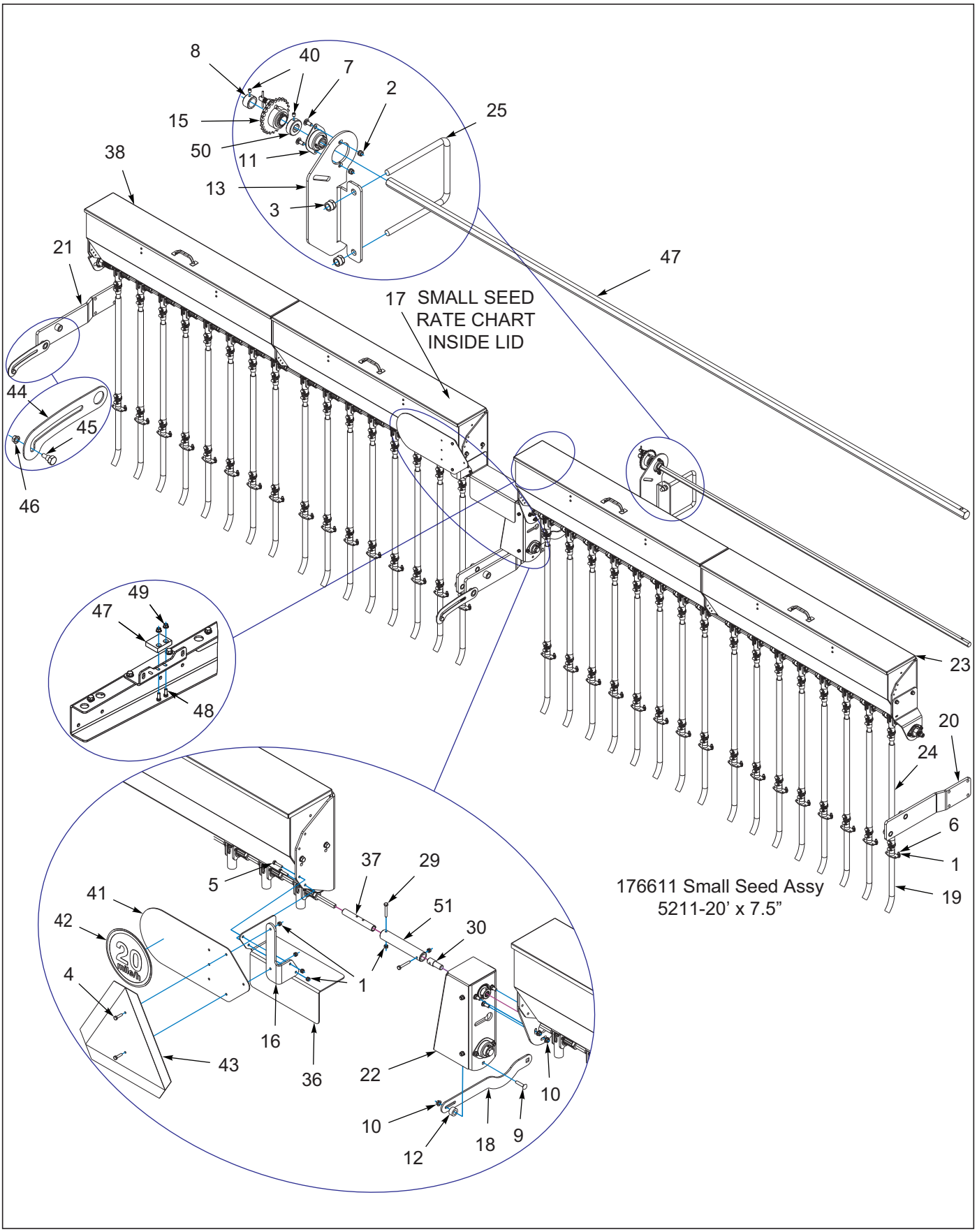



Figure 5-6: Small Seed Box Assembly 5211-20' x 7.5" (6 of 7)

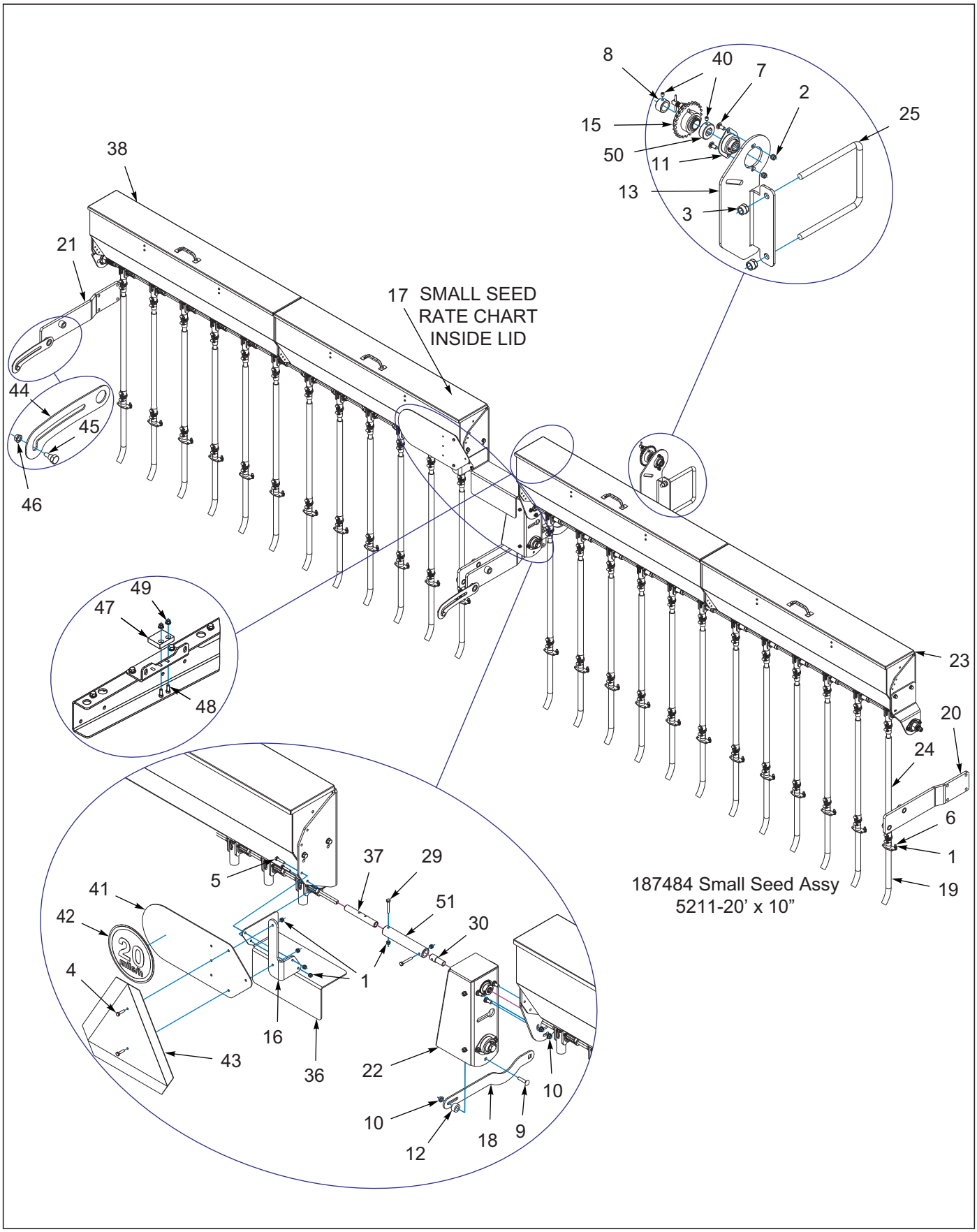



**Figure 5-7: Small Seed Box Assembly 5211-20' x 10" (7 of 7)**

Table provided for general use.

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# Small Seed Box Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| -- | 232404 | SMALL SEED ASSY, 5211-10X6 | * | | | | | | |
| -- | 176608 | SMALL SEED ASSY 5211-10X7.5 | | * | | | | | |
| -- | 176609 | SMALL SEED ASSY5211-12-1/2X7.5 | | | * | | | | |
| -- | 176610 | SMALL SEED ASSY 5211-15X7.5 | | | | * | | | |
| -- | 257387 | SMALL SEED ASSY, 5211-15X10 | | | | | * | | |
| -- | 176611 | SMALL SEED ASSY 5211-20X7.5 | | | | | | * | |
| -- | 187484 | SMALL SEED ASSY 5211-20 10SP | | | | | | | * |
| 1 | 1-512-010005-01 | NUT, HEX LOCK 1/4-20 GRB | 45 | 37 | 45 | 54 | 42 | 70 | 54 |
| 2 | 1-512-010005-03 | NUT, HEX LOCK 5/16-18 GRB | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 1-512-010005-13 | NUT, HEX LOCK 5/8-11 GRB | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 4 | 1-654-010047-04 | SCREW HEX HEAD CAP 1/4-20 X 3/4 GR5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 5 | 1-654-010047-07 | SCREW, HEX HEAD CAP 1/4-20 X 1-1/4 GR5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 6 | 1-654-010158-02 | SCREW, RD HEAD SQ NECK 1/4-20 X 1 | 40 | 32 | 40 | 48 | 36 | 64 | 48 |
| 7 | 105909 | SCREW, RD HEAD SQ NECK 5/16-18 X 3/4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 8 | 257320 | COLLAR, SHAFT SET 1" RD | -- | -- | -- | 1 | 1 | 1 | 1 |
| 9 | 110993 | SCREW, RD HEAD SQ NECK 5/16-18 X 1-1/2 GR5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 10 | 126561 | NUT, FLANGE HEAD SERRATED 5/16-18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 | 144060 | BEARING, 7/8 HEX BORE 2 BOLT | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | 144086 | SPACER, 1 X 9/16 X 17/32 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 13 | 158310 | BRACKET, GRASS SEED LEFT | 1 | 1 | -- | 1 | 1 | 1 | 1 |
| 14 | 158309 | BRACKET, GRASS SEED RIGHT | -- | -- | 1 | -- | -- | -- | -- |
| 15 | 252886 | SPROCKET ASSY, SEEDER **(SEE PAGES 5-19 and 5-21)** | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 16 | 174410 | BRACKET, SMV | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 | 235329 | DECAL, SMALL SEED RATE 6" SP | 1 | -- | -- | -- | -- | -- | -- |
| 17 | 174412 | DECAL, SMALL SEED RATE | -- | 1 | 1 | 1 | -- | 1 | 1 |
| 17 | 249356 | DECAL,SMALL SEED RATE 10 SP | -- | -- | -- | -- | 1 | -- | -- |
| 18 | 176565 | BRACKET, CHAIN ADJUSTMENT | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 176569 | TUBE, SMALL SEED | 20 | 16 | 20 | 24 | 18 | 32 | 24 |
| 20 | 176590 | MOUNT, WALKBOARD RIGHT EXT | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 21 | 176591 | MOUNT, WALKBOARD LEFT EXT | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 22 | 176606 | BEARING ASSEMBLY, SEED SHAFT LEFT **(SEE PAGE 5-22)** | 1 | 1 | -- | 1 | 1 | 1 | 1 |
| 23 | 232405 | SEED BOX ASSY 10'X6" RIGHT | 1 | -- | -- | -- | -- | -- | -- |
| 23 | 176617 | SEED BOX ASSEMBLY, 10' RIGHT **(SEE PAGE 5-14)** | -- | 1 | -- | -- | -- | 1 | -- |
| 23 | 187481 | SEED BOX ASSY 10'X10" RIGHT | -- | -- | -- | -- | -- | -- | 1 |
| 24 | 176620 | SEED TUBE ASSEMBLY, SMALL **(SEE PAGE 5-23)** | 20 | 16 | 20 | 24 | 18 | 32 | 24 |
| 25 | 70593063 | U-BOLT | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 26 | 161462 | SHAFT 7/8 HEX, 48L **(3-POINT HITCH OPTION)** | -- | -- | 1 | -- | -- | -- | -- |
| 26 | 159055 | SHAFT, 7/8 HEX 85L **(PULL HITCH OPTION)** | -- | -- | 1 | 1 | 1 | -- | -- |
| 27 | 176605 | BEARING ASSEMBLY, SEED SHAFT RT **(SEE PAGE 5-20)** | -- | -- | 1 | -- | -- | -- | -- |

# Small Seed Box Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 28 | 176619 | SEED BOX ASSEMBLY, 12-1/2' **(SEE PAGE 5-16)** | -- | -- | 1 | -- | -- | -- | -- |
| 29 | 1-654-010047-09 | SCREW, HEX HEAD CAP 1/4-20 X 1-3/4 GR5 | -- | -- | -- | 2 | 2 | 2 | 2 |
| 30 | 174411 | COUPLER DRIVE, THREADED | -- | -- | -- | 1 | 1 | 1 | 1 |
| 31 | 176553 | SHIELD, SEED SHAFT | -- | -- | -- | 1 | 1 | 1 | 1 |
| 32 | 176614 | SEED BOX ASSEMBLY, 7-1/2' RIGHT **(SEE PAGE 5-14)** | -- | -- | -- | 1 | -- | -- | -- |
| 33 | 176615 | SEED BOX ASSEMBLY, 7-1/2' LEFT **(SEE PAGE 5-12)** | -- | -- | -- | 1 | -- | -- | -- |
| 34 | 218492 | SEED BOX ASSY, 7-1/2'X10"RIGHT | -- | -- | -- | -- | 1 | -- | -- |
| 35 | 218493 | SEED BOX ASSY, 7-1/2'X10" LEFT | -- | -- | -- | -- | 1 | -- | -- |
| 36 | 176553 | SHIELD, SEED SHAFT | -- | -- | -- | 1 | 1 | 1 | 1 |
| 37 | 6K516 | DRIVE TUBE | -- | -- | -- | 1 | 1 | 1 | 1 |
| 38 | 176616 | SEED BOX ASSEMBLY, 10' LEFT **(SEE PAGE 5-12)** | -- | -- | -- | -- | -- | 1 | -- |
| 38 | 187482 | SEED BOX ASSY 10'X10" LEFT | -- | -- | -- | -- | -- | -- | 1 |
| 39 | 1-647-010004236 | SPRING PIN,SLOTTED 5/16X1-1/2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 40 | 107-0975 | SCREW SET LOCK 5/16-18X3/8LG | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 41 | 224590 | MOUNT, SIS DECAL | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 42 | 224589 | DECAL, SIS 20 MILE/H | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 43 | 70260977 | SMV EMBLEM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 44 | 151513 | LATCH, WALKBOARD | 1 | 1 | 1 | 2 | 2 | 2 | 5 |
| 45 | 2-095-010017 | BOLT, SHOULDER HEX HEAD | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 46 | 107470 | NUT,SPIRALOCK 3/8-16HX | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 47 | 231495 | WEAR PAD, CHAIN | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 48 | 1-654-010051-05 | SCREW,HEX CAP 3/8-16UNCX1 GR5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 49 | 1-510-010001 | NUT, 3/8-16 UNC FLG LOCK GR G | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 50 | 158305 | SET COLLAR, 7/8 HEX | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 51 | 176666 | COUPLER, SHAFT 6" | -- | -- | -- | 1 | 1 | 1 | 1 |

# Small Seed Box Assembly, Left

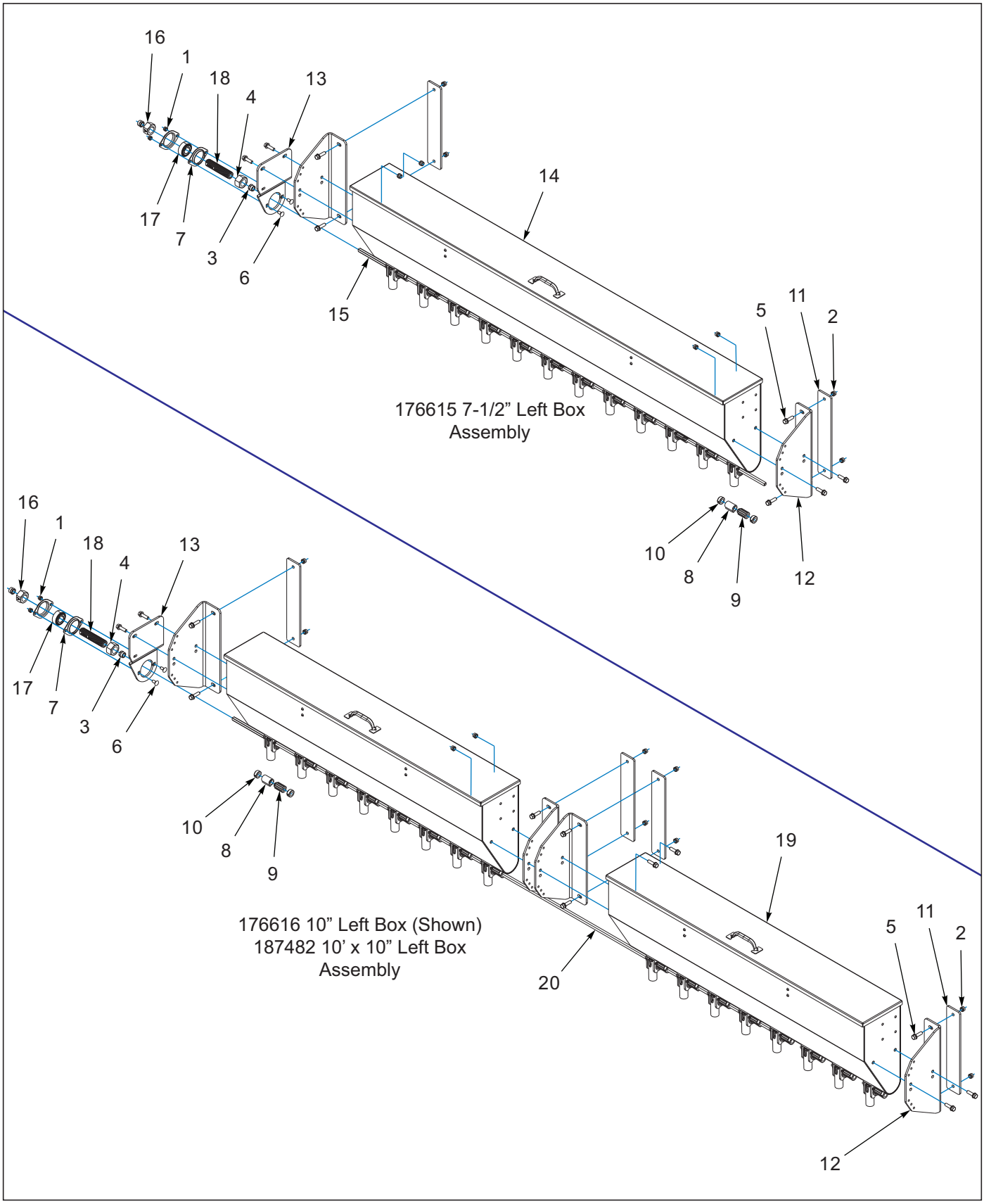



**Figure 5-8: Small Seed Box Assembly, Left**

# Small Seed Box Assembly, Left

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | |
|---|---|---|---|---|---|
| -- | 176615 | SEED BOX ASSY 7-1/2' LEFT | * | | |
| -- | 176616 | SEED BOX ASSY 10' LEFT | | * | |
| -- | 187482 | SEED BOX ASSY 10'X10" LEFT | | | * |
| 1 | 1-512-010005-03 | NUT, HEX LOCK 5/16-18 GRB | 2 | 2 | 2 |
| 2 | 1-512-010005-05 | NUT, HEX LOCK 3/8-16 GRB | 8 | 14 | 14 |
| 3 | 1-512-010005-09 | NUT, HEX LOCK 1/2-13 GRB | 2 | 2 | 2 |
| 4 | 1-512-010007-14 | NUT, HEX 1-8 GRB | 1 | 1 | 1 |
| 5 | 1-655-010003-06 | SCREW, FLANGE HEAD 3/8-16 X 2-1/4 | 8 | 14 | 14 |
| 6 | 105909 | SCREW, RD HEAD SQ NECK 5/16-18 X 3/4 | 2 | 2 | 2 |
| 7 | 1D617 | FLANGETTE HALF,52MM | 2 | 2 | 2 |
| 8 | 155871 | METER, FEED CUT-OFF | 12 | 16 | 12 |
| 9 | 155873 | METER, FEED ROLL | 12 | 16 | 12 |
| 10 | 159041 | COLLAR, RD. SHAFT SET 9/16 | 24 | 32 | 24 |
| 11 | 176552 | PLATE, MOUNTING | 2 | 4 | 4 |
| 12 | 176555 | MOUNT, SMALL SEED BOX | 2 | 4 | 4 |
| 13 | 176557 | MOUNT, SMALL SEED ADJ LEFT | 1 | 1 | 1 |
| 14 | 176585 | SEEDBOX ASSEMBLY 72” **(SEE PAGE 5-17)** | 1 | -- | -- |
| 15 | 176665 | SHAFT, 3/8 SQ X 78-3/4 W/ THREADS | 1 | -- | -- |
| 16 | 4D402 | SEED RATE ADJUSTING NUT | 1 | 1 | 1 |
| 17 | 238886 | BEARING,1" | 1 | 1 | 1 |
| 18 | 9J433 | ADJUSTING SCREW | 1 | 1 | 1 |
| 19 | 176583 | SEEDBOX ASSEMBLY 49-3/8” **(SEE PAGE 5-17)** | -- | 2 | -- |
| 19 | 186296 | SEEDBOX ASSY, 49-3/8 10SP **(SEE PAGE 5-17)** | -- | -- | 2 |
| 20 | 176571 | SHAFT, 3/8 SQ X 106 W/ THREADS | -- | 1 | 1 |

# Small Seed Box Assembly, Right

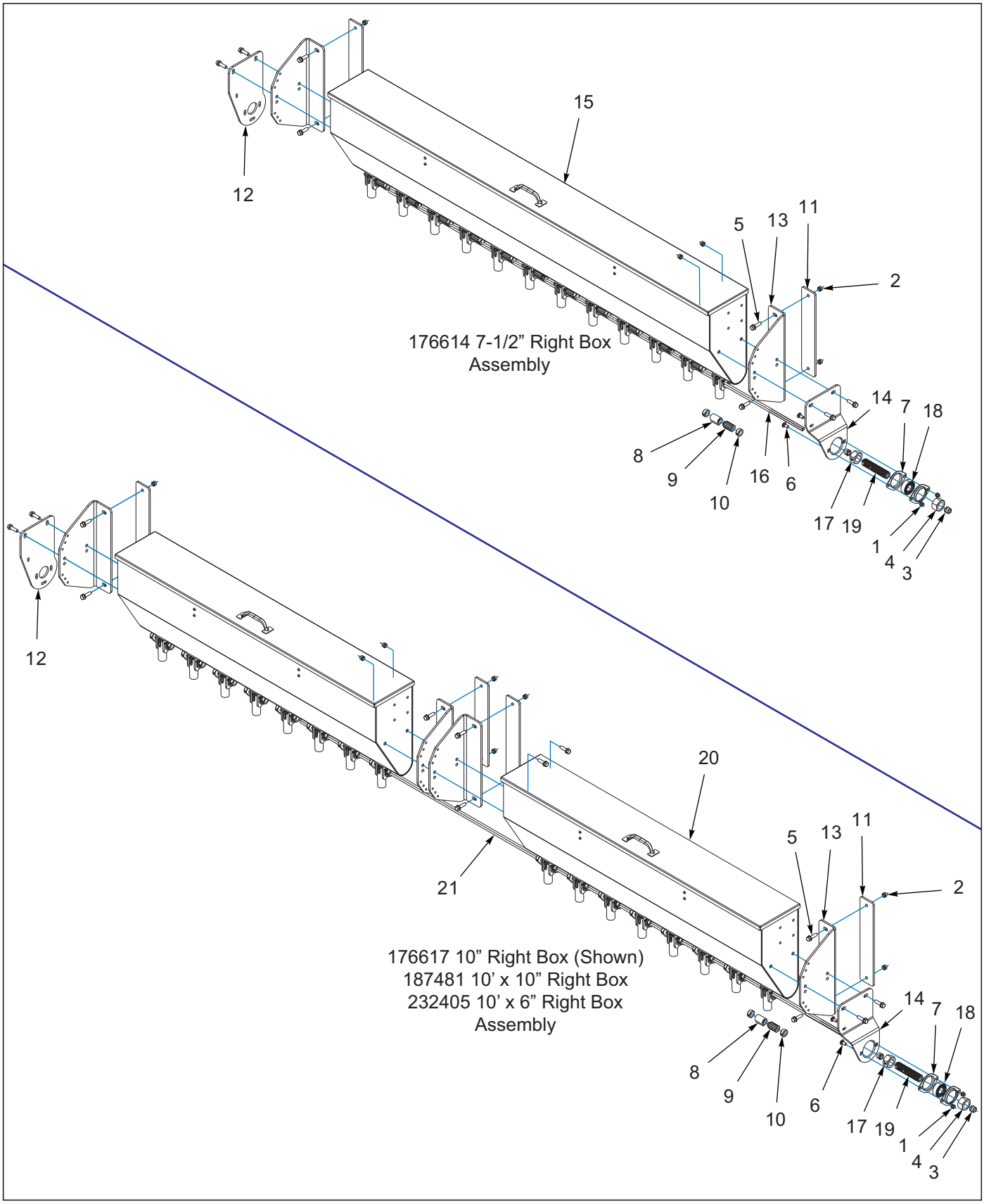



**Figure 5-9: Small Seed Box Assembly, Right**

# Small Seed Box Assembly, Right

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | |
|---|---|---|---|---|---|---|
| -- | 232405 | SEED BOX ASSY 10'X6" RIGHT | * | | | |
| -- | 176614 | SEED BOX ASSY 7-1/2' RIGHT | | * | | |
| -- | 176617 | SEED BOX ASSY 10' RIGHT **(SHOWN)** | | | * | |
| -- | 187481 | SEED BOX ASSY 10'X10" RIGHT | | | | * |
| 1 | 1-512-010005-03 | NUT, HEX LOCK 5/16-18 GRB | 2 | 2 | 2 | 2 |
| 2 | 1-512-010005-05 | NUT, HEX LOCK 3/8-16 GRB | 14 | 8 | 14 | 14 |
| 3 | 1-512-010005-09 | NUT, HEX LOCK 1/2-13 GRB | 2 | 2 | 2 | 2 |
| 4 | 1-512-010007-14 | NUT, HEX 1-8 GRB | 1 | 1 | 1 | 1 |
| 5 | 1-655-010003-06 | SCREW, FLANGE HEAD 3/8-16 X 2-1/4 | 14 | 8 | 14 | 14 |
| 6 | 105909 | SCREW, RD HEAD SQ NECK 5/16-18 X 3/4 | 2 | 2 | 2 | 2 |
| 7 | 1D617 | FLANGETTE HALF,52MM | 2 | 2 | 2 | 2 |
| 8 | 155871 | METER, FEED CUT-OFF | 20 | 12 | 16 | 12 |
| 9 | 155873 | METER, FEED ROLL | 20 | 12 | 16 | 12 |
| 10 | 159041 | COLLAR, RD. SHAFT SET 9/16 | 40 | 24 | 32 | 24 |
| 11 | 176552 | PLATE, MOUNTING | 4 | 2 | 4 | 4 |
| 12 | 176554 | MOUNT, DRIVE SMALL SEED | 1 | 1 | 1 | 1 |
| 13 | 176555 | MOUNT, SMALL SEED BOX | 4 | 2 | 4 | 4 |
| 14 | 176556 | MOUNT, SMALL SEED ADJ RIGHT | 1 | 1 | 1 | 1 |
| 15 | 176585 | SEEDBOX ASSEMBLY 72” **(SEE PAGE 5-17)** | -- | 1 | -- | -- |
| 16 | 176665 | SHAFT, 3/8 SQ X 78-3/4 W/ THREADS | -- | 1 | -- | -- |
| 17 | 4D402 | SEED RATE ADJUSTING NUT | 1 | 1 | 1 | 1 |
| 18 | 238886 | BEARING,1" | 1 | 1 | 1 | 1 |
| 19 | 9J433 | ADJUSTING SCREW | 1 | 1 | 1 | 1 |
| 20 | 232406 | SEEDBOX ASSY, 49-3/8 **(SEE PAGE 5-17)** | 2 | -- | -- | -- |
| 20 | 176583 | SEEDBOX ASSEMBLY 49-3/8” **(SEE PAGE 5-17)** | -- | -- | 2 | -- |
| 20 | 186296 | SEEDBOX ASSY, 49-3/8 10SP **(SEE PAGE 5-17)** | -- | -- | -- | 2 |
| 21 | 176571 | SHAFT, 3/8 SQ X 106 W/ THREADS | 1 | -- | 1 | 1 |

# Small Seed Box Assembly 12-1/2’

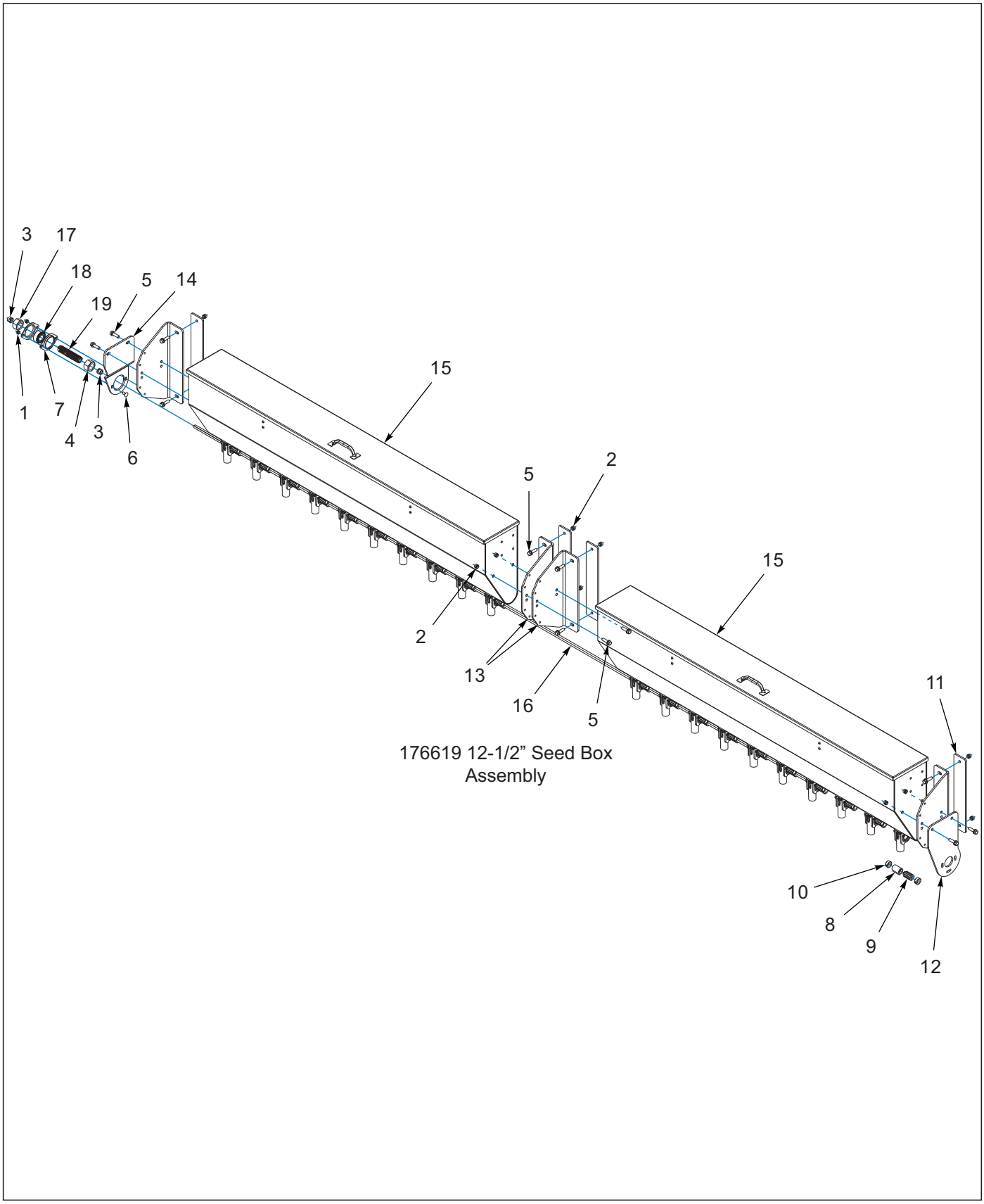



Figure 5-10: Small Seed Box Assembly 12-1/2’

# Small Seed Box Assembly 12-1/2’

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 176619 | SEED BOX ASSY 12-1/2' | |
| 1 | 1-512-010005-03 | NUT, HEX LOCK 5/16-18 GRB | 2 |
| 2 | 1-512-010005-05 | NUT, HEX LOCK 3/8-16 GRB | 14 |
| 3 | 1-512-010005-09 | NUT, HEX LOCK 1/2-13 GRB | 2 |
| 4 | 1-512-010007-14 | NUT, HEX 1-8 GRB | 1 |
| 5 | 1-655-010003-06 | SCREW, FLANGE HEAD 3/8-16 X 2-1/4 | 14 |
| 6 | 105909 | SCREW, RD HEAD SQ NECK 5/16-18 X 3/4 | 2 |
| 7 | 1D617 | FLANGETTE HALF,52MM | 2 |
| 8 | 155871 | METER, FEED CUT-OFF | 20 |
| 9 | 155873 | METER, FEED ROLL | 20 |
| 10 | 159041 | COLLAR, RD. SHAFT SET 9/16 | 40 |
| 11 | 176552 | PLATE, MOUNTING | 4 |
| 12 | 176554 | MOUNT, DRIVE SMALL SEED | 1 |
| 13 | 176555 | MOUNT, SMALL SEED BOX | 4 |
| 14 | 176557 | MOUNT, SMALL SEED ADJ LEFT | 1 |
| 15 | 176584 | SEEDBOX ASSEMBLY 64-3/8” **(SEE PAGE 5-18)** | 2 |
| 16 | 176667 | SHAFT, 3/8 SQ X 136 W/ THREADS | 1 |
| 17 | 4D402 | SEED RATE ADJUSTING NUT | 1 |
| 18 | 238886 | BEARING,1" | 1 |
| 19 | 9J433 | ADJUSTING SCREW | 1 |

# Seed Box Assembly, Small

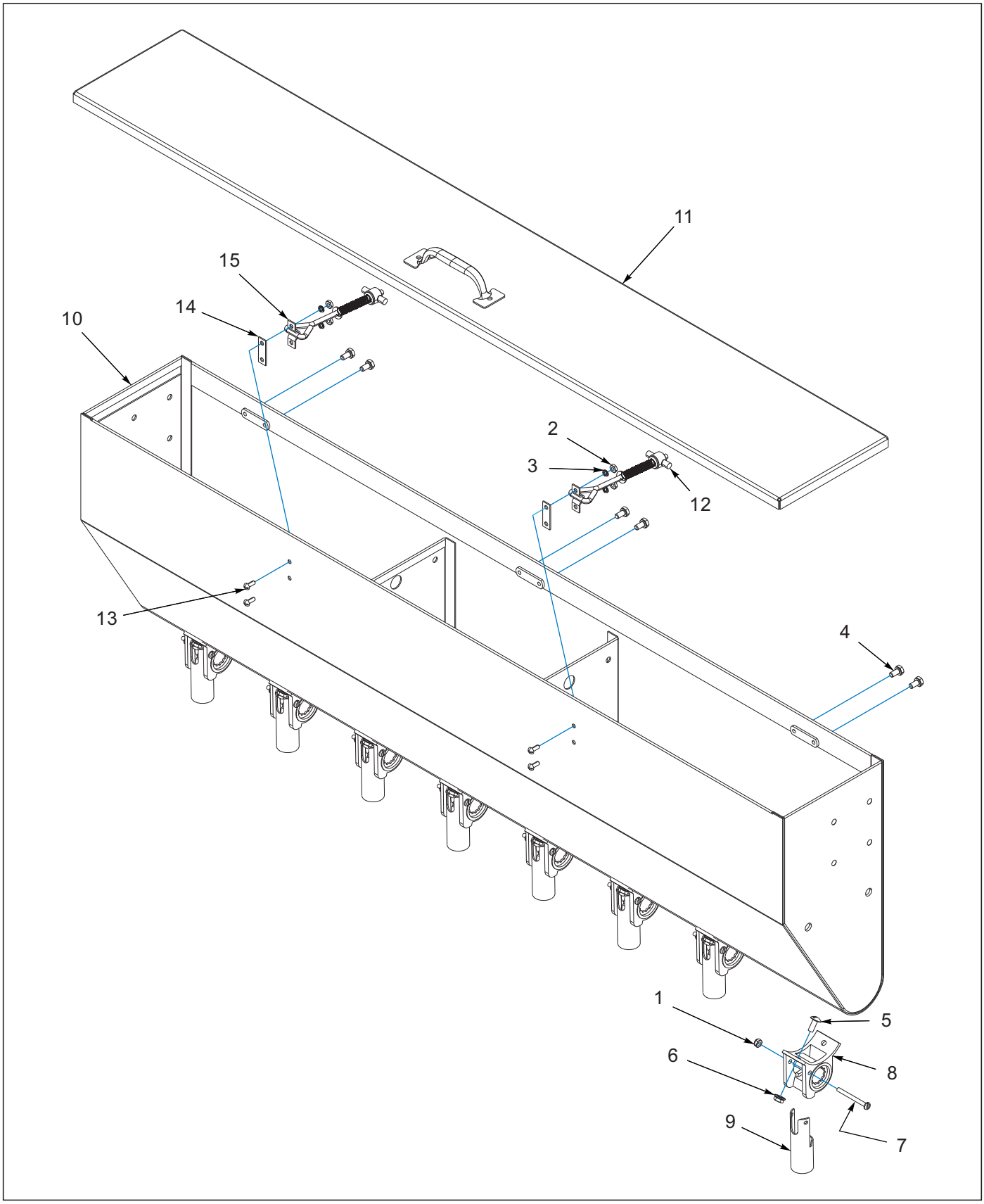



Figure 5-11: Seed Box Assembly, Small

# Seed Box Assembly, Small

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | | |
|---|---|---|---|---|---|---|---|
| -- | 176583 | SEED BOX ASSEMBLY, 49-3/8" **(SHOWN)** | * | | | | |
| -- | 176584 | SEED BOX ASSEMBLY, 64-3/8" | | * | | | |
| -- | 176585 | SEED BOX ASSEMBLY, 72" | | | * | | |
| -- | 186296 | SEEDBOX ASSY, 49-3/8 10SP | | | | * | |
| -- | 232406 | SEEDBOX ASSY, 49-3/8 **(6" SPACING)** | | | | | * |
| 1 | 1-512-010003-05 | NUT, HEX LOCK #10-32 | 8 | 10 | 12 | 6 | 10 |
| 2 | 1-512-010007-03 | NUT, HEX #10-24 | 4 | 4 | 4 | 4 | 4 |
| 3 | 1-861-010034-07 | WASHER, SPLIT LOCK #10 | 4 | 4 | 4 | 4 | 4 |
| 4 | 104877 | SCREW, HEX HEAD CAP 1/4-20 X 1/2 GR5 | 6 | 6 | 6 | 6 | 6 |
| 5 | 108213 | SCREW, RD HEAD MACH 1/4-20 X 5/8 | 16 | 20 | 24 | 12 | 20 |
| 6 | 108417 | NUT, HEX FLANGE SPIRAL 1/4-20 | 16 | 20 | 24 | 12 | 20 |
| 7 | 132554 | SCREW, PAN HEAD #10-32 X 2 | 8 | 10 | 12 | 6 | 10 |
| 8 | 155874 | METER, PLASTIC CUP W/ HOLE | 8 | 10 | 12 | 6 | 10 |
| 9 | 172656 | TUBE, GRASS SEED METER | 8 | 10 | 12 | 6 | 10 |
| 10 | 176574 | SEEDBOX, SMALL SEED 49-3/8" | 1 | -- | -- | -- | -- |
| 10 | 176575 | SEEDBOX, SMALL SEED 64-3/8" | -- | 1 | -- | -- | -- |
| 10 | 176576 | SEEDBOX, SMALL SEED 72" | -- | -- | 1 | -- | -- |
| 10 | 186298 | SEEDBOX, SMALL SEED 49-3/8 10" | -- | -- | -- | 1 | -- |
| 10 | 232407 | SEEDBOX, SMALL SEED 49-3/8 | -- | -- | -- | -- | 1 |
| 11 | 176577 | COVER, SEED BOX 49-3/8" | 1 | -- | -- | 1 | 1 |
| 11 | 176578 | COVER, SEED BOX 64-3/8" | -- | 1 | -- | -- | -- |
| 11 | 176607 | COVER, SEED BOX 72" | -- | -- | 1 | -- | -- |
| 12 | 1C199 | COVER LOCK ASSEMBLY | 2 | 2 | 2 | 2 | 2 |
| 13 | 1C213 | SCREW, RD HEAD #10-24 X 1/2 | 4 | 4 | 4 | 4 | 4 |
| 14 | 7D937 | WEAR STRIP | 2 | 2 | 2 | 2 | 2 |
| 15 | 7D938 | COVER, LOCK CLIP | 2 | 2 | 2 | 2 | 2 |

# Seed Shaft Bearing Assembly, Right

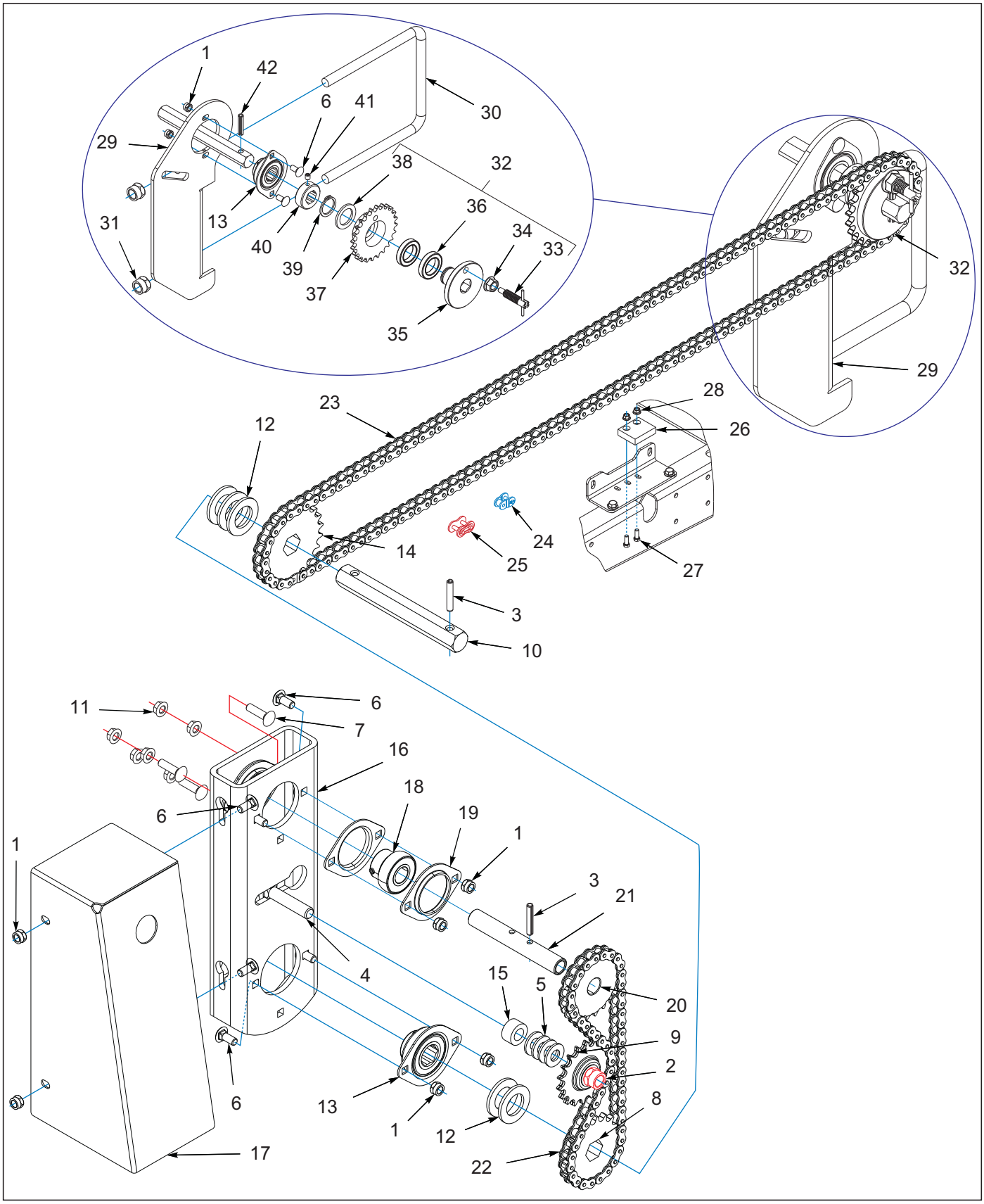



Figure 5-12: Seed Shaft Bearing Assembly, Right

# Seed Shaft Bearing Assembly, Right

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 176605 | BEARING ASSEMBLY, SEED SHAFT RIGHT | |
| 1 | 1-512-010005-03 | NUT, HEX LOCK 5/16-18 GRB | 8 |
| 2 | 1-512-010005-09 | NUT, HEX LOCK 1/2-13 GRB | 2 |
| 3 | 1-647-010004217 | SPRING PIN, SLOTTED 1/4 X 1-1/2 | 1 |
| 4 | 1-654-010070-07 | SCREW, RD HEAD SQ NECK 1/2-13 X 2-1/2 | 1 |
| 5 | 1-861-010032-14 | WASHER, FLAT 1/2" N ZP/CD | 2 |
| 6 | 105909 | SCREW, RD HEAD SQ NECK 5/16-18 X 3/4 | 8 |
| 7 | 111-1267 | SCREW, RD HEAD SQ NECK 5/16-18 X 1-1/4 GR5 | 3 |
| 8 | 122827 | SPROCKET, TRANSMISSION 19T | 1 |
| 9 | 122871 | SPROCKET, TRANSMISSION IDLER | 3 |
| 10 | 125777 | SHAFT, HEX 7/8 X 7 | 1 |
| 11 | 126561 | NUT, FLANGE HEAD SERRATED, 5/16-18 | 6 |
| 12 | 141238 | WASHER, SPINDLE | 5 |
| 13 | 144060 | BEARING, 7/8 HEX BORE 2 BOLT | 2 |
| 14 | 144082 | SPROCKET, TRANS 40 X 22T | 1 |
| 15 | 144086 | SPACER, 1 X 9/16 X 17/32 | 1 |
| 16 | 168906 | BEARING MOUNT, SEED SHAFT | 1 |
| 17 | 176567 | SHIELD, SMALL SEED RIGHT | 1 |
| 18 | 1D598 | BEARING AND COLLAR 3/4 | 2 |
| 19 | 2K503 | FLANGETTE, 2 BOLT | 4 |
| 20 | 3P115 | SPROCKET, #40B19 X 3/4” BORE | 1 |
| 21 | 6K516 | DRIVE TUBE | 1 |
| 22 | 176627 | ROLLER CHAIN, #40X57P 28-1/2L **(INCLUDES 119716, 163981)** | 1 |
| 23 | 176664 | ROLLER CHAIN, #40X164P 82L **(INCLUDES 119716)** | 1 |
| 24 | 163981 | OFFSET LINK #40 | 1 |
| 25 | 119716 | CONNECTING LINK #40 CHAIN | 1 |
| 26 | 231495 | WEAR PAD, CHAIN | 1 |
| 27 | 1-654-010051-05 | SCREW,HEX CAP 3/8-16UNCX1 GR5 | 2 |
| 28 | 1-510-010001 | NUT, 3/8-16 UNC FLG LOCK GR G | 2 |
| 29 | 158309 | BRACKET, GRASS SEED RIGHT | 1 |
| 30 | 70593063 | U-BOLT | 1 |
| 31 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 2 |
| 32 | 252886 | SPROCKET ASSY, SEEDER **(INCLUDES ITEMS 33-39)** | 1 |
| 33 | 257319 | PLUNGER, SPRING T-HANDLE | 1 |
| 34 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 1 |
| 35 | 252887 | HUB, HEX BORE SPROCKET | 1 |
| 36 | 143956 | BEARING, SEED DRIVE CLUTCH | 2 |
| 37 | 252889 | SPROCKET, 40X24T BEARING | 1 |
| 38 | 252891 | WASHER, THRUST 1-3/16 | 1 |
| 39 | 143992 | SNAP RING, 1.181 SHAFT | 1 |
| 40 | 158305 | SET COLLAR, 7/8 HEX | 1 |
| 41 | 107-0975 | SCREW SET LOCK 5/16-18X3/8LG | 1 |
| 42 | 1-647-010004236 | SPRING PIN,SLOTTED 5/16X1-1/2 | 1 |

# Seed Shaft Bearing Assembly, Left

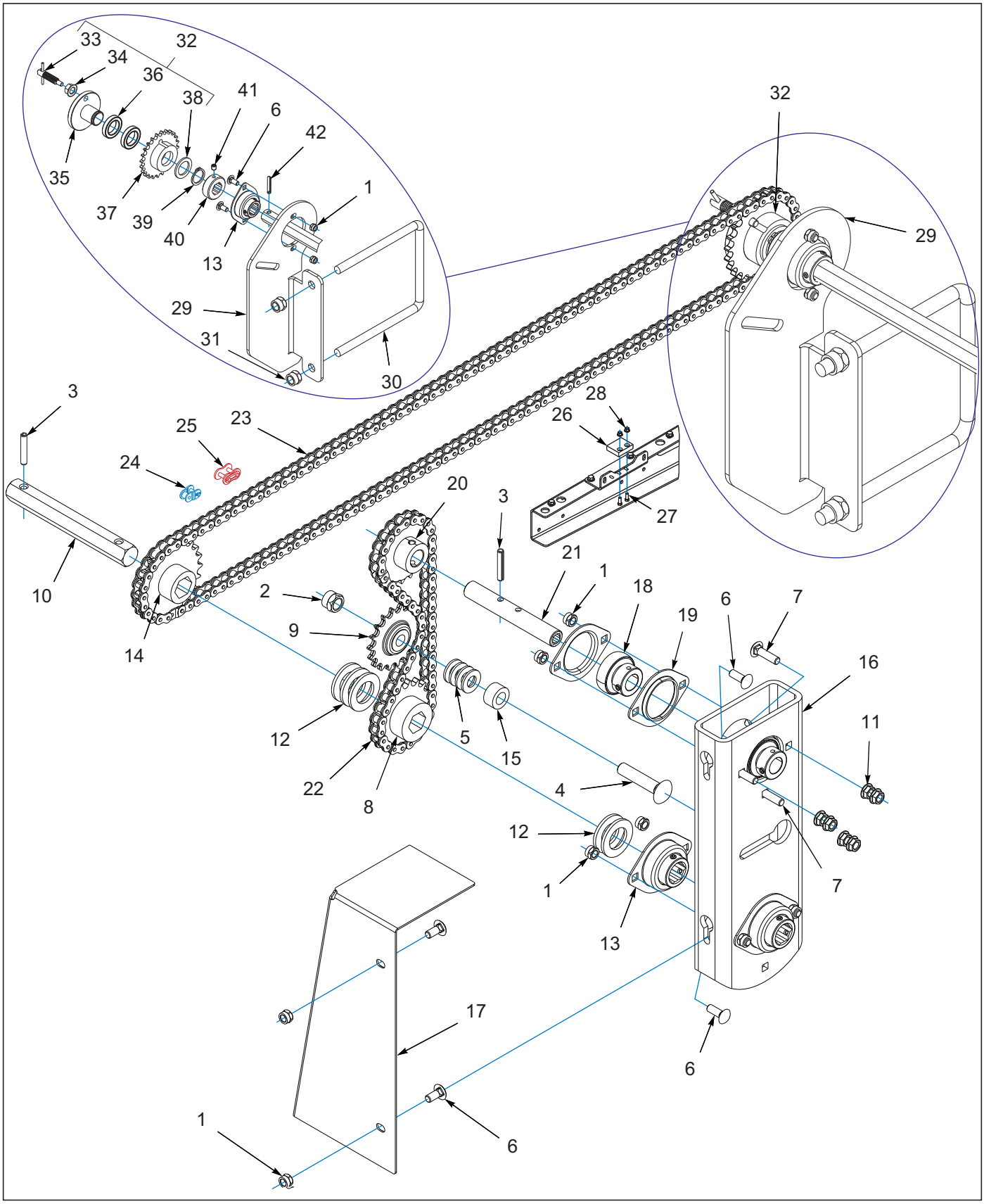



Figure 5-13: Seed Shaft Bearing Assembly, Left

# Seed Shaft Bearing Assembly, Left

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 176606 | BEARING ASSEMBLY, SEED SHAFT LEFT | |
| 1 | 1-512-010005-03 | NUT, HEX LOCK 5/16-18 GRB | 8 |
| 2 | 1-512-010005-09 | NUT, HEX LOCK 1/2-13 GRB | 2 |
| 3 | 1-647-010004217 | SPRING PIN, SLOTTED 1/4 X 1-1/2 | 1 |
| 4 | 1-654-010070-07 | SCREW, RD HEAD SQ NECK 1/2-13 X 2-1/2 | 1 |
| 5 | 1-861-010032-14 | WASHER, FLAT 1/2" N ZP/CD | 2 |
| 6 | 105909 | SCREW, RD HEAD SQ NECK 5/16-18 X 3/4 | 8 |
| 7 | 111-1267 | SCREW, RD HEAD SQ NECK 5/16-18 X 1-1/4 GR5 | 3 |
| 8 | 122827 | SPROCKET, TRANSMISSION 19T | 1 |
| 9 | 122871 | SPROCKET, TRANSMISSION IDLER | 3 |
| 10 | 125777 | SHAFT, HEX 7/8 X 7 | 1 |
| 11 | 126561 | NUT, FLANGE HEAD SERRATED, 5/16-18 | 6 |
| 12 | 141238 | WASHER, SPINDLE | 5 |
| 13 | 144060 | BEARING, 7/8 HEX BORE 2 BOLT | 2 |
| 14 | 144082 | SPROCKET, TRANS 40 X 22T | 1 |
| 15 | 144086 | SPACER, 1 X 9/16 X 17/32 | 1 |
| 16 | 168906 | BEARING MOUNT, SEED SHAFT | 1 |
| 17 | 176568 | SHIELD, SMALL SEED LEFT | 1 |
| 18 | 1D598 | BEARING AND COLLAR 3/4 | 2 |
| 19 | 2K503 | FLANGETTE, 2 BOLT | 4 |
| 20 | 3P115 | SPROCKET, #40B19 X 3/4” BORE | 1 |
| 21 | 6K516 | DRIVE TUBE | 1 |
| 22 | 176627 | ROLLER CHAIN, #40X57P 28-1/2L **(INCLUDES 119716, 163981)** | 1 |
| 23 | 176664 | ROLLER CHAIN, #40X164P 82L **(INCLUDES 119716)** | 1 |
| 24 | 163981 | OFFSET LINK #40 | 1 |
| 25 | 119716 | CONNECTING LINK #40 CHAIN | 1 |
| 26 | 231495 | WEAR PAD, CHAIN | 1 |
| 27 | 1-654-010051-05 | SCREW,HEX CAP 3/8-16UNCX1 GR5 | 2 |
| 28 | 1-510-010001 | NUT, 3/8-16 UNC FLG LOCK GR G | 2 |
| 29 | 158310 | BRACKET, GRASS SEED LEFT | 1 |
| 30 | 70593063 | U-BOLT | 1 |
| 31 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 2 |
| 32 | 252886 | SPROCKET ASSY, SEEDER **(INCLUDES ITEMS 33-39)** | 1 |
| 33 | 257319 | PLUNGER, SPRING T-HANDLE | 1 |
| 34 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 1 |
| 35 | 252887 | HUB, HEX BORE SPROCKET | 1 |
| 36 | 143956 | BEARING, SEED DRIVE CLUTCH | 2 |
| 37 | 252889 | SPROCKET, 40X24T BEARING | 1 |
| 38 | 252891 | WASHER, THRUST 1-3/16 | 1 |
| 39 | 143992 | SNAP RING, 1.181 SHAFT | 1 |
| 40 | 158305 | SET COLLAR, 7/8 HEX | 1 |
| 41 | 107-0975 | SCREW SET LOCK 5/16-18X3/8LG | 1 |
| 42 | 1-647-010004236 | SPRING PIN,SLOTTED 5/16X1-1/2 | 1 |

# Seed Tube Assembly, Small

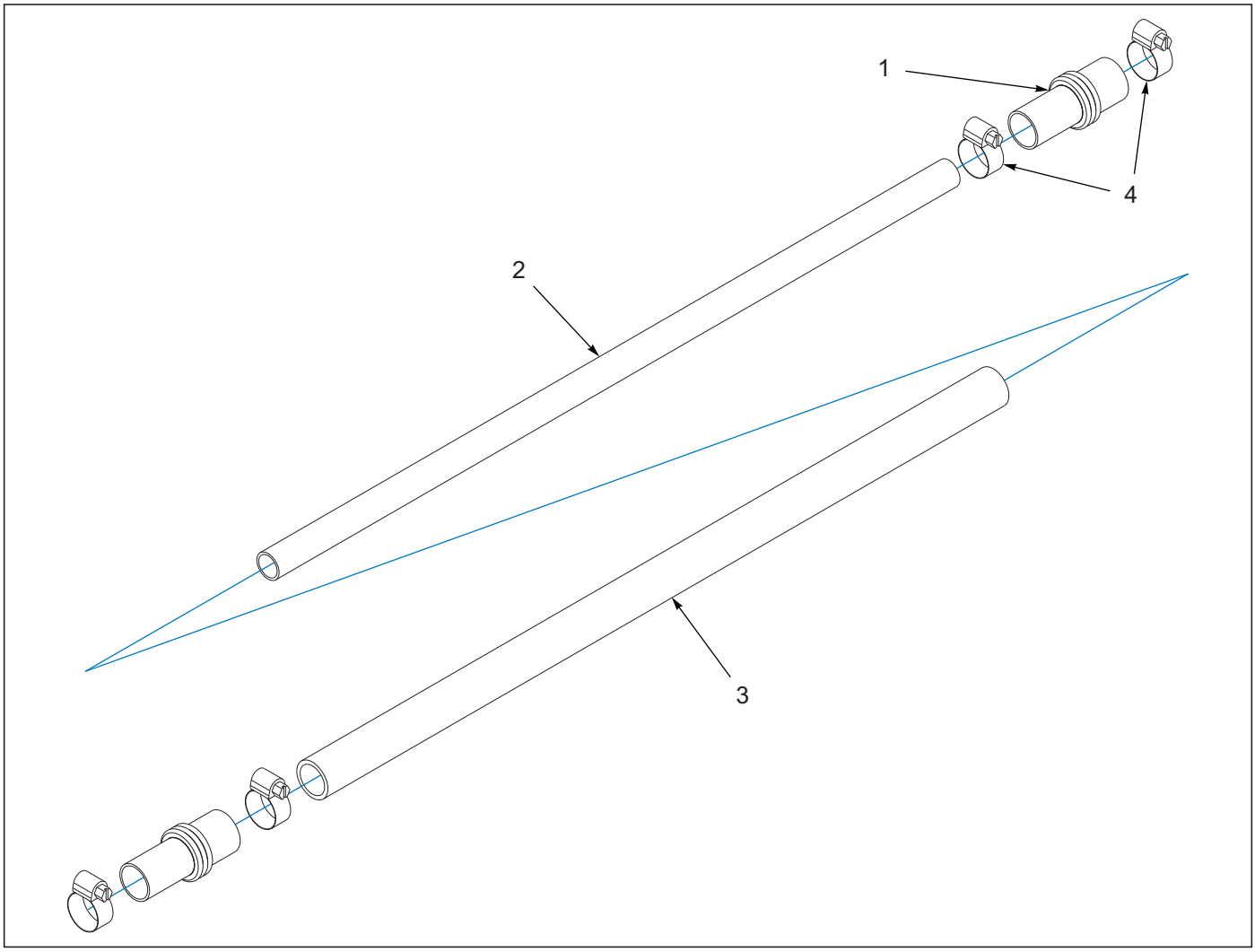



Figure 5-14: Small Tube Assembly, Small

## Seed Tube Assembly, Small

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 176620 | SEED TUBE ASSEMBLY, SMALL | |
| 1 | 176594 | HOSE, SEED 3” | 2 |
| 2 | 176595 | SEED TUBE, INNER | 1 |
| 3 | 176596 | SEED TUBE, OUTER | 1 |
| 4 | 42H12 | CLAMP, HOSE 3/4 | 4 |

Table provided for general use.

| NOTES: |
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# Electrical

## Electrical Assembly W/LED Lights Wiring Chart

| 7-PIN CONN. | 4-PIN TOWER | CIRCUIT | WIRE COLOR |
|---|---|---|---|
| 1 | D | GROUND | WHITE |
| 2 | – | WORK LAMPS | BLACK |
| 3 | B | LEFT FLASHING & TURN | YELLOW |
| 4 | – | STOP LAMPS | RED |
| 5 | A | RIGHT FLASHING & TURN | GREEN |
| 6 | C | TAIL LAMPS | BROWN |
| 7 | – | SWITCHED POWER (12 V) | BLUE |

MAIN WARNING LIGHT HARNESS - WIRING CHART
(NOTE: The Color Of The Wire Jacket Does Not Necessarily Match The Color Of The 7 Pin Connector)

| | RIGHT AMBER | RIGHT RED | | LEFT RED | LEFT AMBER |
|---|---|---|---|---|---|
| | 2-PIN TOWER | 3-PIN TOWER | 6-PIN SHROUD | 3-PIN TOWER | 2-PIN TOWER |
| BLACK LEFT TURN | | | A | C | |
| WHITE GROUND | A | A | B | A | A |
| BROWN TAIL LIGHT | | B | C | B | |
| YELLOW LEFT TURN | | | D | | B |
| GREEN RIGHT TURN | B | | E | | |
| RED RIGHT TURN | | C | F | | |

REAR WARNING LIGHT HARNESS - WIRING CHART

**Figure 6-1: Electrical Assembly W/LED Lights Wiring Chart**

Table provided for general use.

| NOTES: |
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# Electrical Assembly W/LED Lights 5211-10’-12-1/2’ W/Long Hitch

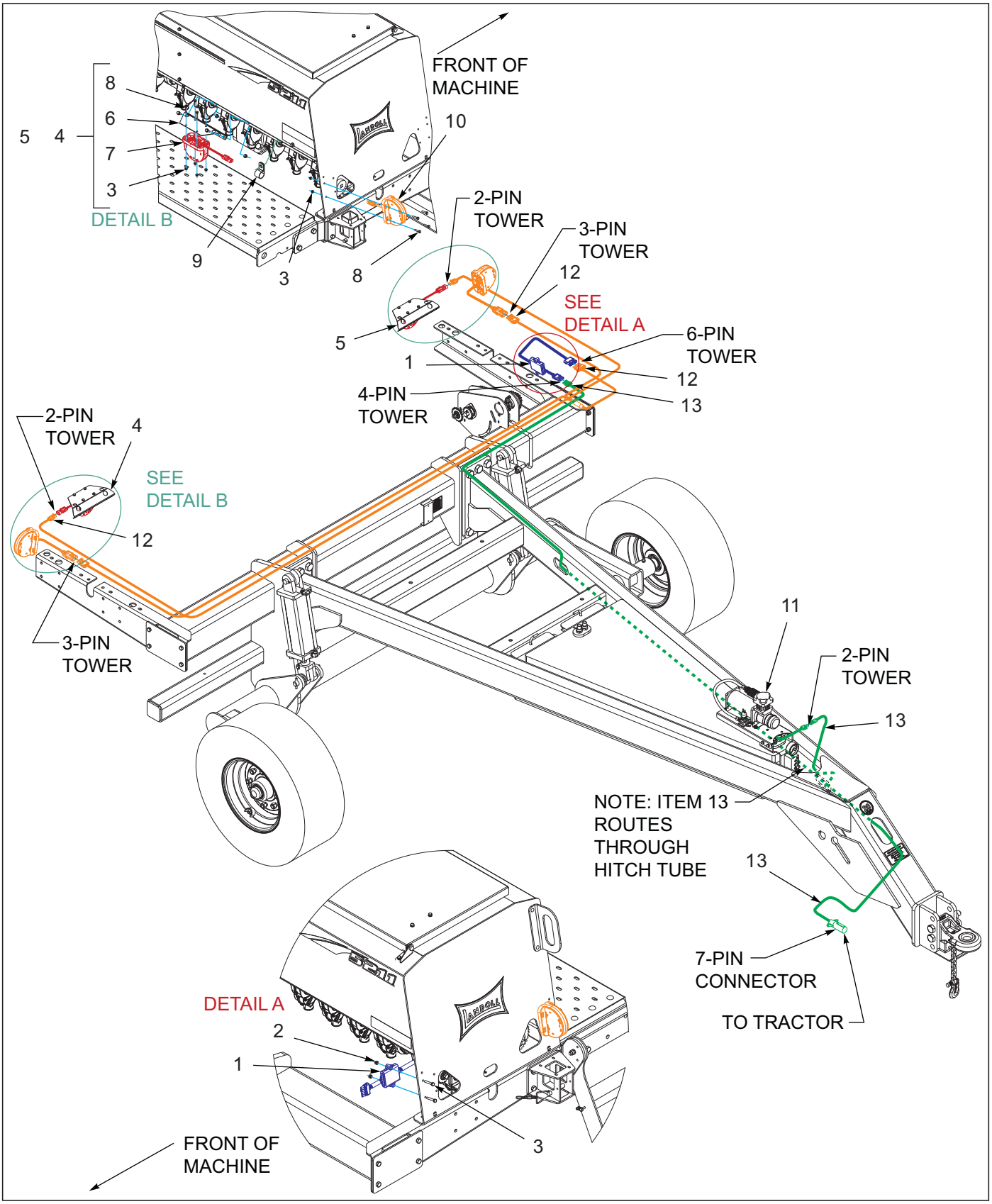



Figure 6-2: Electrical Assembly W/LED Lights 5211-10’-12*-1/2’ W/Long Hitch

# Electrical Assembly W/LED Lights 5211-10’-12-1/2’ W/Long Hitch

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 174437 | MODULE, AG FLASHER CONTROL | 1 |
| 2 | 1-654-010047-08 | SCREW HX CP,1/4-20UNCX1-1/2G5 | 2 |
| 3 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 18 |
| 4 | 174455 | LIGHT ASSY, RED RIGHT **(INCLUDES ITEMS 3, 6, 7, 8)** | 1 |
| 5 | 174456 | LIGHT ASSY, RED LEFT **(INCLUDES ITEMS 3, 6, 7, 8)** | 1 |
| 6 | 159057 | BRACKET, LIGHT | 2 |
| 7 | 174435 | LAMP, AG RED SINGLE LED | 2 |
| 8 | 1-654-010047-07 | SCREW,HX CP 1/4-20UNCX1-1/4G5 | 16 |
| 9 | 40-0717-02 | CLAMP,HYD HOSE SUPPORT | 10 |
| 10 | 174436 | LAMP, AG AMBER SINGLE LED | 2 |
| 11 | 187518 | COMPRESSOR ASSY, AIR 12V **(SEE PAGE 4-1)** | REF |
| 12 | 174444 | HARNESS, REAR WARNING LIGHTS | 1 |
| 13 | 174441 | HARNESS, MAIN WARNING LIGHTS | 1 |

# Electrical Assembly W/LED Lights 5211-15'-20' W/Long Hitch

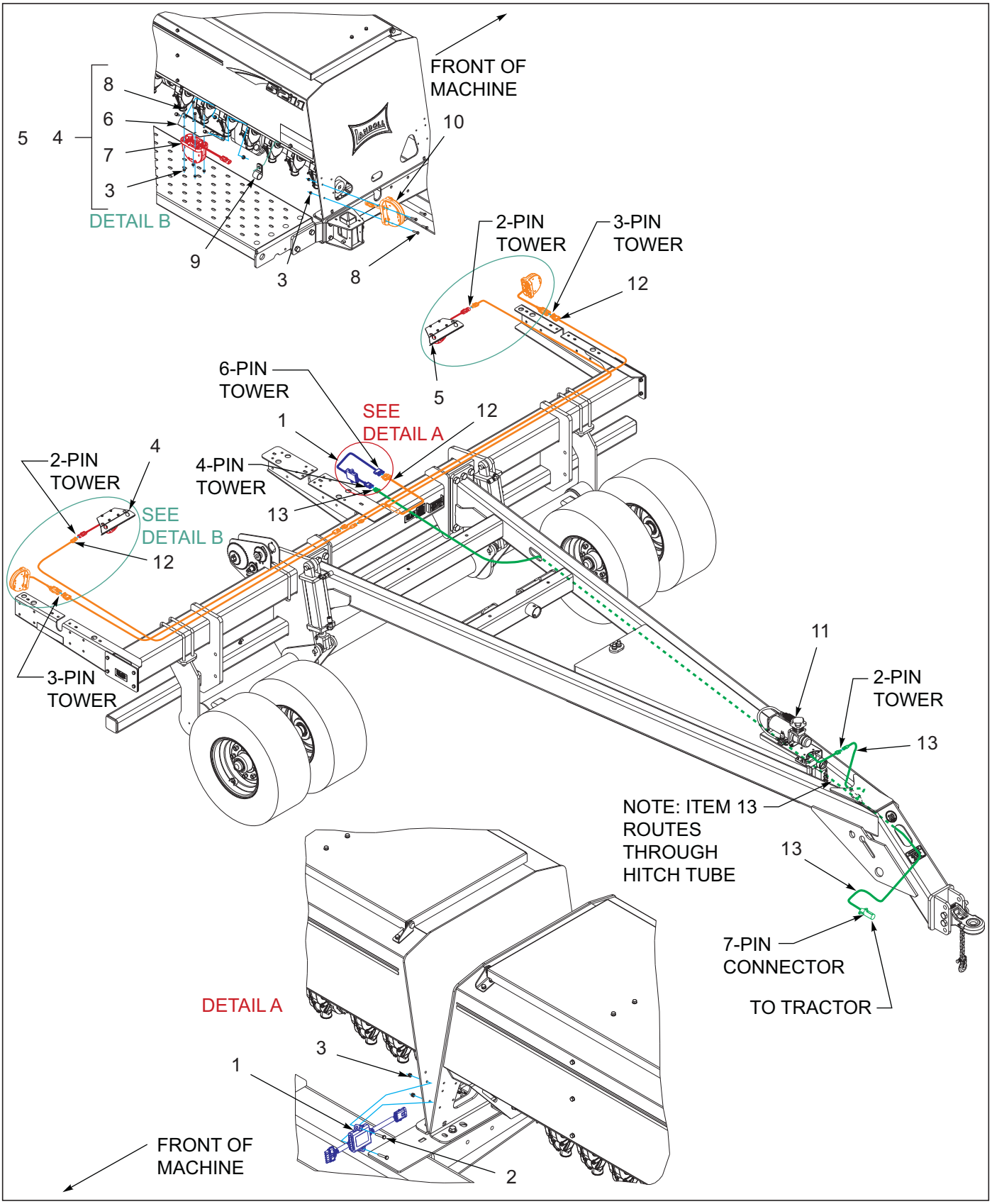



Figure 6-3: Electrical Assembly W/LED Lights 5211-15'-20' W/Long Hitch

# Electrical Assembly W/LED Lights 5211-15'-20' W/Long Hitch

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 174437 | MODULE, AG FLASHER CONTROL | 1 |
| 2 | 1-654-010047-08 | SCREW HX CP,1/4-20UNCX1-1/2G5 | 2 |
| 3 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 18 |
| 4 | 174455 | LIGHT ASSY, RED RIGHT **(INCLUDES ITEMS 3, 6, 7, 8)** | 1 |
| 5 | 174456 | LIGHT ASSY, RED LEFT **(INCLUDES ITEMS 3, 6, 7, 8)** | 1 |
| 6 | 159057 | BRACKET, LIGHT | 2 |
| 7 | 174435 | LAMP, AG RED SINGLE LED | 2 |
| 8 | 1-654-010047-07 | SCREW,HX CP 1/4-20UNCX1-1/4G5 | 16 |
| 9 | 40-0717-02 | CLAMP,HYD HOSE SUPPORT | 10 |
| 10 | 174436 | LAMP, AG AMBER SINGLE LED | 2 |
| 11 | 187518 | COMPRESSOR ASSY, AIR 12V **(SEE PAGE 4-1)** | REF |
| 12 | 174445 | HARNESS, REAR WARNING LIGHTS **(MODEL 5211-15')** | 1 |
| 12 | 174446 | HARNESS, REAR WARNING LIGHTS **(MODEL 5211-20')** | 1 |
| 13 | 174441 | HARNESS, MAIN WARNING LIGHTS | 1 |

# Electrical Assembly W/LED Lights 5211-12-1/2'-15'-20' W/3Point Hitch

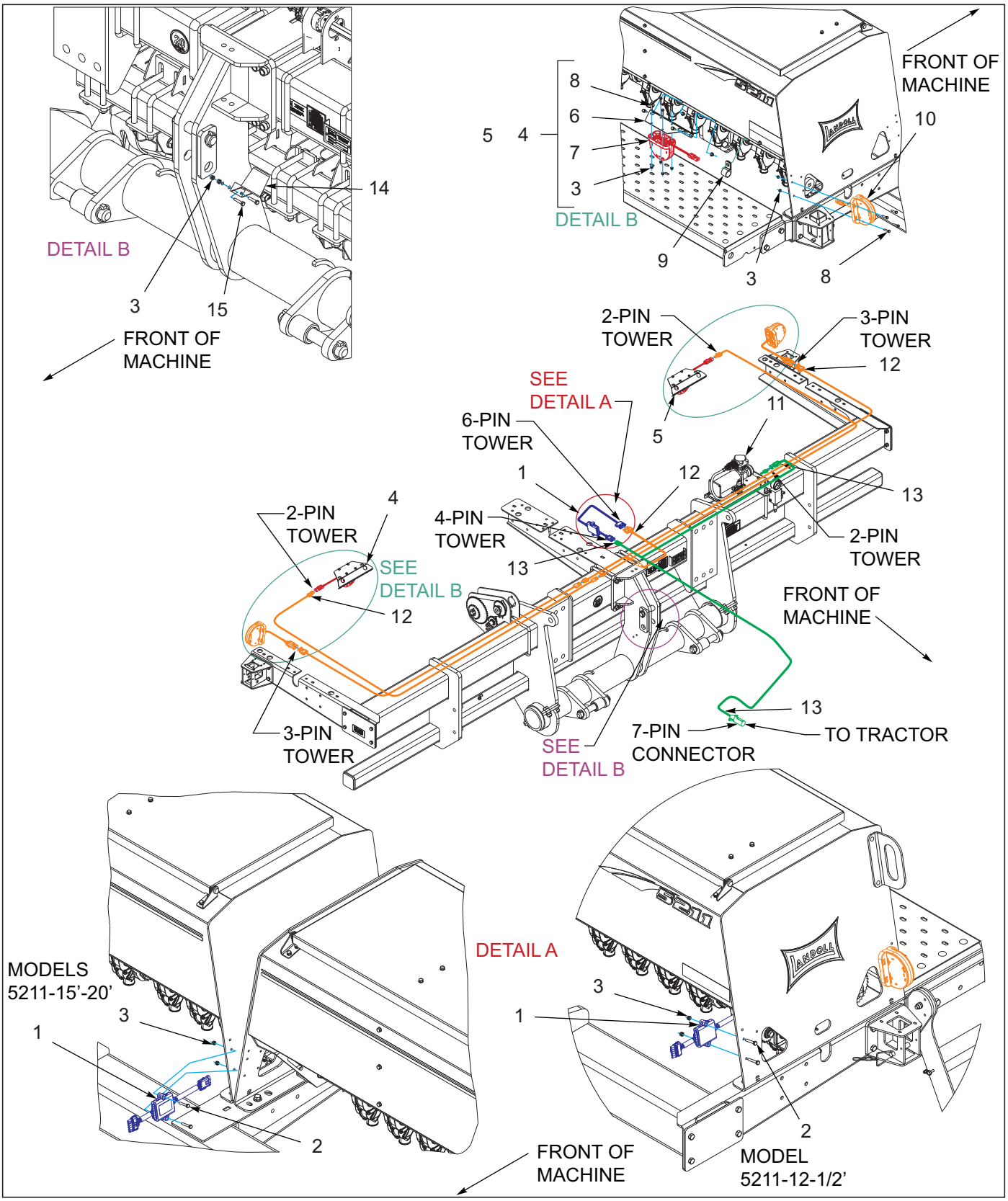



Figure 6-4: Electrical Assembly W/LED Lights 5211-12-1/2'-15'-20' W/3Point Hitch

# Electrical Assembly W/LED Lights 5211-12-1/2'-15'-20' W/3Point Hitch

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 174437 | MODULE, AG FLASHER CONTROL | 1 |
| 2 | 1-654-010047-08 | SCREW HX CP,1/4-20UNCX1-1/2G5 | 2 |
| 3 | 1-512-010005-01 | NUT,HEX,SLFLKG GRB 1/4-20 | 20 |
| 4 | 174455 | LIGHT ASSY, RED RIGHT **(INCLUDES ITEMS 3, 6, 7, 8)** | 1 |
| 5 | 174456 | LIGHT ASSY, RED LEFT **(INCLUDES ITEMS 3, 6, 7, 8)** | 1 |
| 6 | 159057 | BRACKET, LIGHT | 2 |
| 7 | 174435 | LAMP, AG RED SINGLE LED | 2 |
| 8 | 1-654-010047-07 | SCREW,HX CP 1/4-20UNCX1-1/4G5 | 16 |
| 9 | 40-0717-02 | CLAMP,HYD HOSE SUPPORT | 10 |
| 10 | 174436 | LAMP, AG AMBER SINGLE LED | 2 |
| 11 | 187518 | COMPRESSOR ASSY, AIR 12V **(SEE PAGE 4-1)** | REF |
| 12 | 174444 | HARNESS, REAR WARNING LIGHTS **(MODEL 5211-12-1/2')** | 1 |
| 12 | 174445 | HARNESS, REAR WARNING LIGHTS **(MODEL 5211-15')** | 1 |
| 12 | 174446 | HARNESS, REAR WARNING LIGHTS **(MODEL 5211-20')** | 1 |
| 13 | 174443 | HARNESS, REAR WARNING LIGHTS | 1 |
| 14 | 2-368-010287 | HARNESS, STOR-A-WAY | 1 |
| 15 | 1-654-010047-06 | SCREW,HX CP 1/4-20UNCX1 GR5 | 2 |

# Decals

## Decals

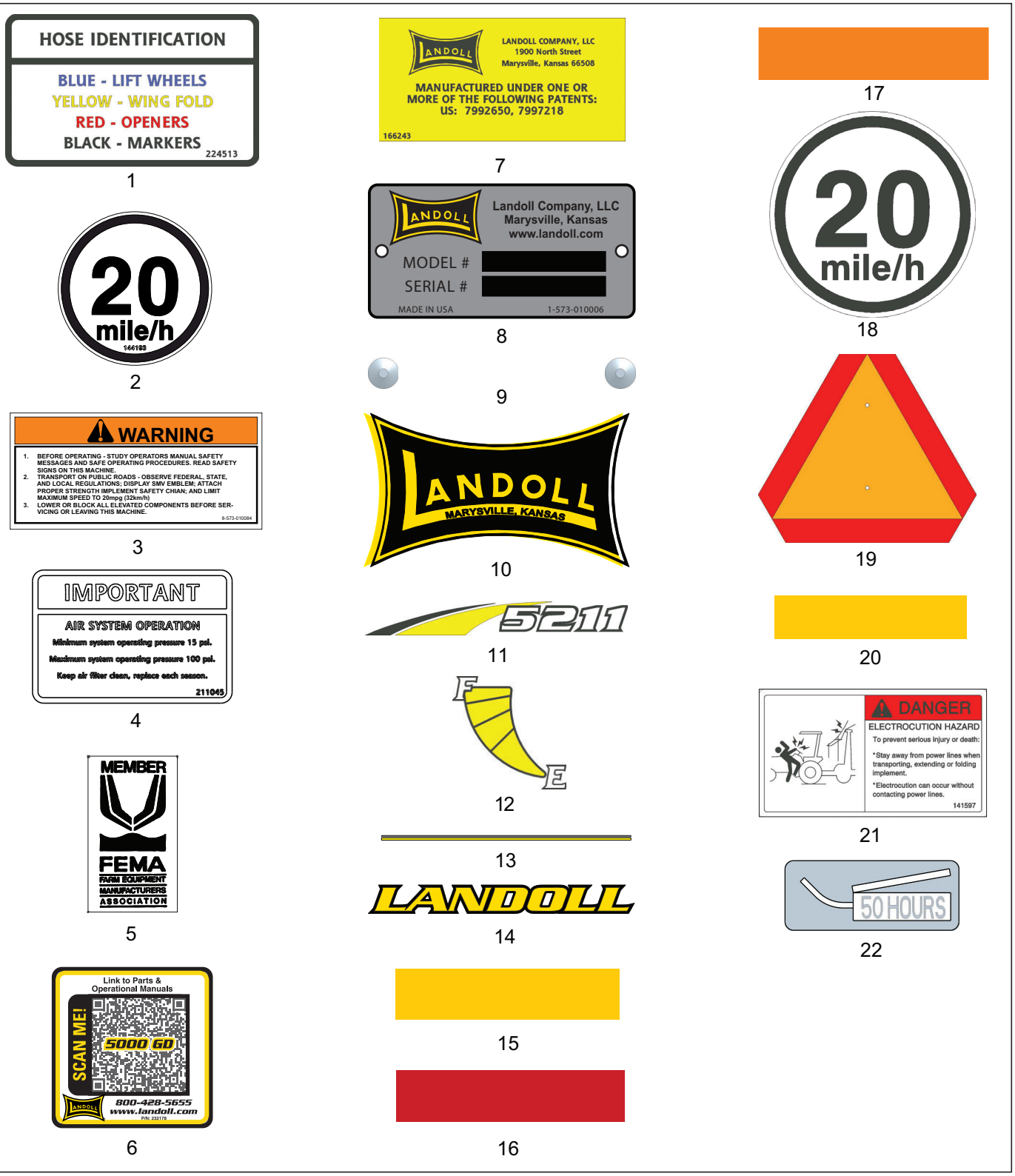
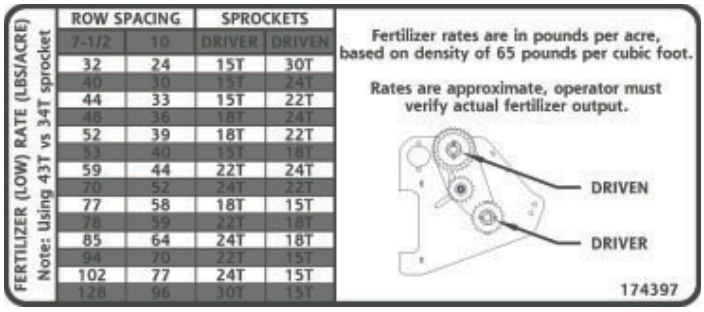
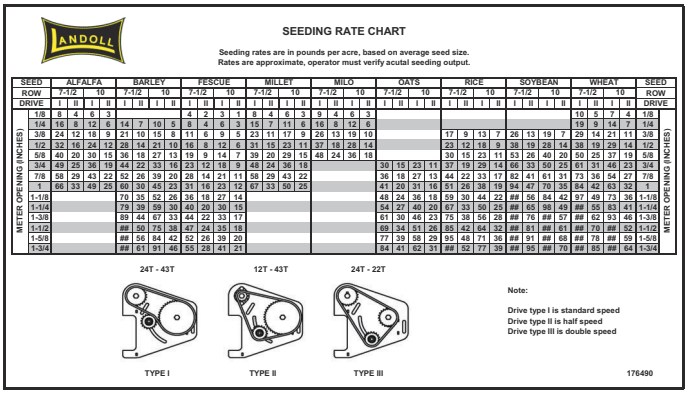


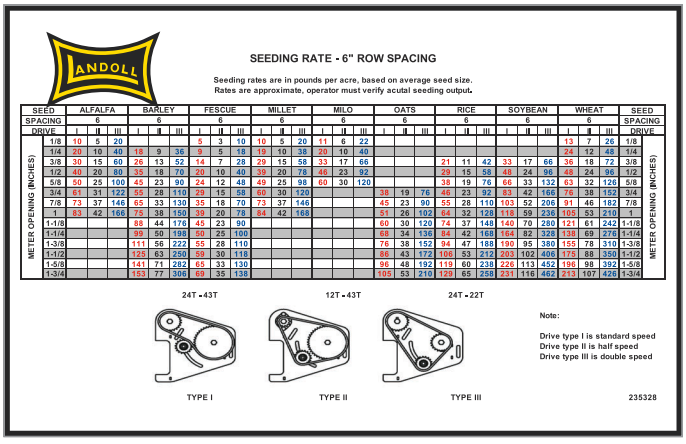

Figure 7-1: Decals (1 of 4)




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SMALL SEED RATE - 6"SP

SEEDING RATES ARE ARE IN POUNDS PER ACRE, BASED ON AVERAGE SEED SIZE.
RATES ARE APPROXIMATE, OPERATOR MUST VERIFY ACTUAL SEEDING OUTPUT.
235329

| SEED | ROW SPACING | INDICATOR SETTING 1A | 2A | 3A | 4A | 5A | 6A | 7A | 8A | SEED | ROW SPACING | INDICATOR SETTING 1A | 2A | 3A | 4A | 5A | 6A | 7A | 8A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALFALFA (Uncoated) | 6 | 3 | 7 | 12 | 18 | 21 | 27 | 32 | 36 | LESPEDEZA (Hulled) | 6 | 3 | 7 | 12 | 18 | 21 | 26 | 34 | 37 |
| ANNUAL RYE GRASS | 6 | 1 | 4 | 6 | 10 | 13 | 18 | 20 | 23 | LESPEDEZA (Unhulled) | 6 | 1 | 6 | 9 | 13 | 19 | 22 | 28 | 32 |
| BIRDSFOOT TREFOIL | 6 | 3 | 8 | 13 | 19 | 28 | 34 | 41 | 47 | LOVE GRASS (Sand) | 6 | 3 | 7 | 10 | 15 | 20 | 25 | 31 | 36 |
| BLUEGRASS (Kentucky) | 6 | 1 | 3 | 4 | 7 | 8 | 10 | 12 | 13 | LOVE GRASS (Weeping) | 6 | 1 | 8 | 13 | 18 | 22 | 29 | 34 | 41 |
| BLUEGRASS (Park Kentucky) | 6 | 1 | 4 | 7 | 10 | 13 | 16 | 20 | 22 | MILLET | 6 | 3 | 8 | 13 | 19 | 22 | 29 | 34 | 41 |
| CANOLA | 6 | 1 | 7 | 10 | 16 | 20 | 24 | 28 | 34 | ORCHARD GRASS | 6 | - | 1 | 3 | 4 | 5 | 6 | 8 | 9 |
| CLOVER (Crimson) | 6 | 3 | 6 | 10 | 16 | 22 | 26 | 34 | 40 | RED TOP | 6 | 1 | 3 | 6 | 7 | 8 | 9 | 10 | 12 |
| CLOVER (Ladino,Sweet, Red) | 6 | 3 | 11 | 16 | 22 | 29 | 35 | 41 | 48 | REED CANARY GRASS | 6 | 1 | 3 | 6 | 8 | 9 | 12 | 13 | 16 |
| KLEIN GRASS | 6 | 3 | 7 | 13 | 18 | 24 | 31 | 37 | 41 | TIMOTHY | 6 | 3 | 6 | 9 | 15 | 19 | 24 | 29 | 34 |

26

SMALL SEED RATE CHART

SEEDING RATES ARE ARE IN POUNDS PER ACRE, BASED ON AVERAGE SEED SIZE.
RATES ARE APPROXIMATE, OPERATOR MUST VERIFY ACTUAL SEEDING OUTPUT.
174412

| SEED | ROW SPACING | INDICATOR SETTING 1A | 2A | 3A | 4A | 5A | 6A | 7A | 8A | SEED | ROW SPACING | INDICATOR SETTING 1A | 2A | 3A | 4A | 5A | 6A | 7A | 8A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALFALFA (Uncoated) | 7-1/2 | 2 | 5 | 10 | 14 | 17 | 22 | 25 | 29 | LESPEDEZA (Hulled) | 7-1/2 | 2 | 5 | 10 | 14 | 17 | 22 | 27 | 30 |
| ANNUAL RYE GRASS | 7-1/2 | 1 | 3 | 5 | 8 | 10 | 14 | 16 | 18 | LESPEDEZA (Unhulled) | 7-1/2 | 1 | 4 | 7 | 10 | 15 | 18 | 22 | 25 |
| BIRDSFOOT TREFOIL | 7-1/2 | 2 | 7 | 10 | 15 | 22 | 27 | 33 | 38 | LOVE GRASS (Sand) | 7-1/2 | 2 | 5 | 8 | 12 | 16 | 20 | 25 | 29 |
| BLUEGRASS (Kentucky) | 7-1/2 | 1 | 2 | 3 | 5 | 7 | 8 | 10 | 11 | LOVE GRASS (Weeping) | 7-1/2 | 1 | 7 | 10 | 14 | 18 | 23 | 28 | 33 |
| BLUEGRASS (Park Kentucky) | 7-1/2 | 1 | 3 | 5 | 8 | 10 | 14 | 16 | 18 | MILLET | 7-1/2 | 2 | 7 | 10 | 15 | 19 | 23 | 28 | 33 |
| CANOLA | 7-1/2 | 1 | 5 | 8 | 13 | 16 | 19 | 22 | 27 | ORCHARD GRASS | 7-1/2 | - | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| CLOVER (Crimson) | 7-1/2 | 2 | 5 | 8 | 13 | 18 | 21 | 25 | 32 | RED TOP | 7-1/2 | 1 | 2 | 4 | 5 | 7 | 8 | 9 | 10 |
| CLOVER (Ladino,Sweet, Red) | 7-1/2 | 2 | 7 | 10 | 14 | 18 | 22 | 25 | 30 | REED CANARY GRASS | 7-1/2 | 1 | 2 | 4 | 6 | 8 | 10 | 12 | 14 |
| KLEIN GRASS | 7-1/2 | 2 | 5 | 10 | 14 | 19 | 25 | 30 | 33 | TIMOTHY | 7-1/2 | 2 | 4 | 7 | 12 | 15 | 19 | 23 | 27 |

27

SMALL SEED RATE CHART

SEEDING RATES ARE ARE IN POUNDS PER ACRE, BASED ON AVERAGE SEED SIZE.
RATES ARE APPROXIMATE, OPERATOR MUST VERIFY ACTUAL SEEDING OUTPUT.
246356

| SEED | ROW SPACING | INDICATOR SETTING 1A | 2A | 3A | 4A | 5A | 6A | 7A | 8A | SEED | ROW SPACING | INDICATOR SETTING 1A | 2A | 3A | 4A | 5A | 6A | 7A | 8A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALFALFA (Uncoated) | 10 | 2 | 4 | 8 | 11 | 13 | 17 | 19 | 22 | LESPEDEZA (Hulled) | 10 | 2 | 4 | 8 | 11 | 13 | 17 | 20 | 23 |
| ANNUAL RYE GRASS | 10 | 1 | 2 | 4 | 6 | 8 | 11 | 12 | 14 | LESPEDEZA (Unhulled) | 10 | 1 | 3 | 5 | 8 | 11 | 14 | 17 | 19 |
| BIRDSFOOT TREFOIL | 10 | 2 | 5 | 8 | 11 | 17 | 20 | 25 | 29 | LOVE GRASS (Sand) | 10 | 2 | 4 | 6 | 9 | 12 | 15 | 19 | 22 |
| BLUEGRASS (Kentucky) | 10 | 1 | 2 | 2 | 4 | 5 | 6 | 8 | 8 | LOVE GRASS (Weeping) | 10 | 1 | 5 | 8 | 11 | 14 | 17 | 21 | 25 |
| BLUEGRASS (Park Kentucky) | 10 | 1 | 2 | 4 | 6 | 8 | 11 | 12 | 14 | MILLET | 10 | 2 | 5 | 8 | 11 | 14 | 17 | 21 | 25 |
| CANOLA | 10 | 1 | 4 | 6 | 10 | 12 | 14 | 17 | 20 | ORCHARD GRASS | 10 | - | 1 | 2 | 2 | 3 | 4 | 5 | 5 |
| CLOVER (Crimson) | 10 | 2 | 4 | 6 | 10 | 14 | 16 | 19 | 24 | RED TOP | 10 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| CLOVER (Ladino,Sweet, Red) | 10 | 2 | 5 | 8 | 11 | 14 | 17 | 19 | 23 | REED CANARY GRASS | 10 | 1 | 2 | 3 | 5 | 6 | 8 | 9 | 11 |
| KLEIN GRASS | 10 | 2 | 4 | 8 | 11 | 14 | 19 | 23 | 25 | TIMOTHY | 10 | 2 | 3 | 5 | 9 | 11 | 14 | 17 | 20 |

28

**Figure 7-2: Decals (2 of 4)**

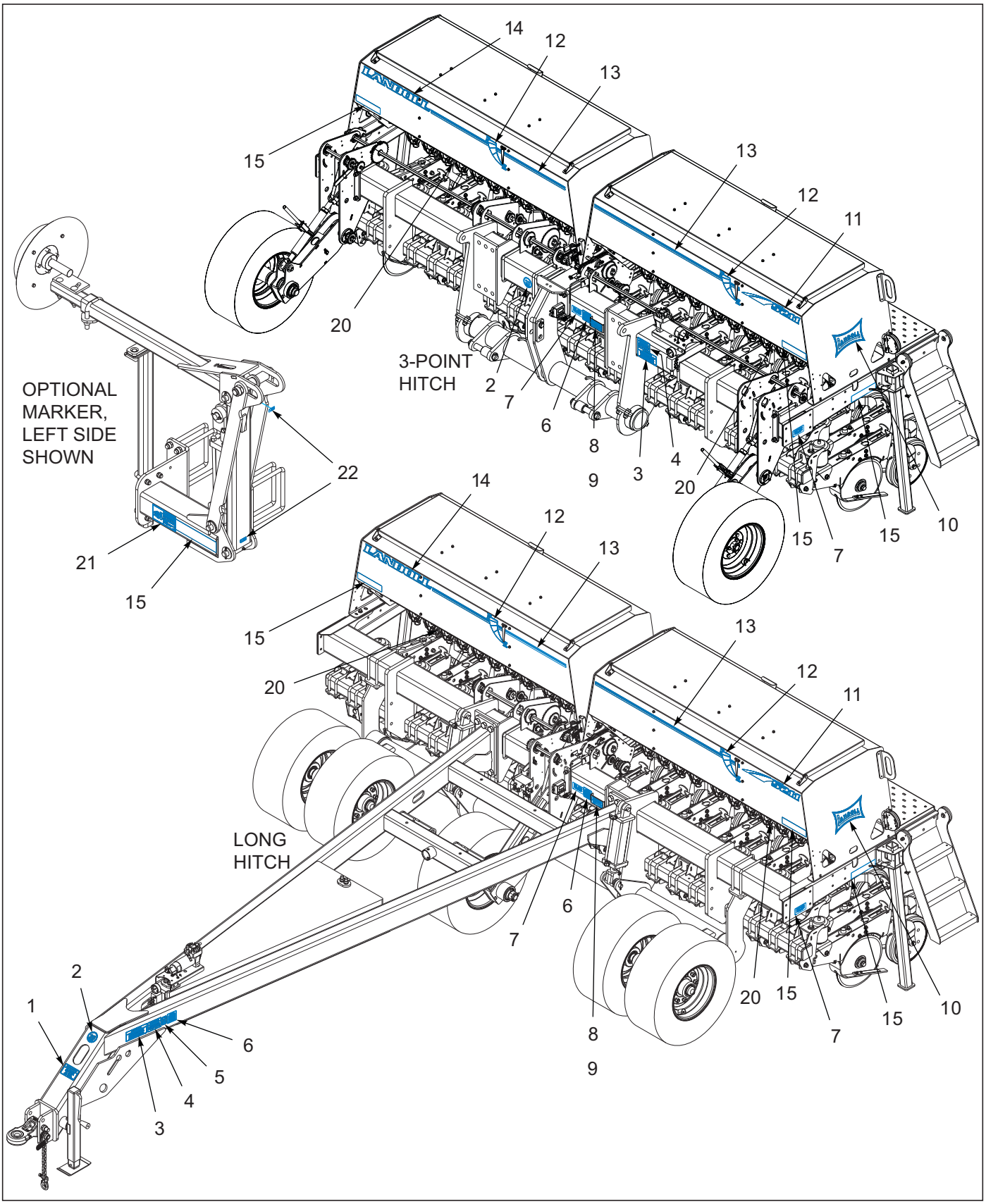



Figure 7-3: Decals (3 of 4)

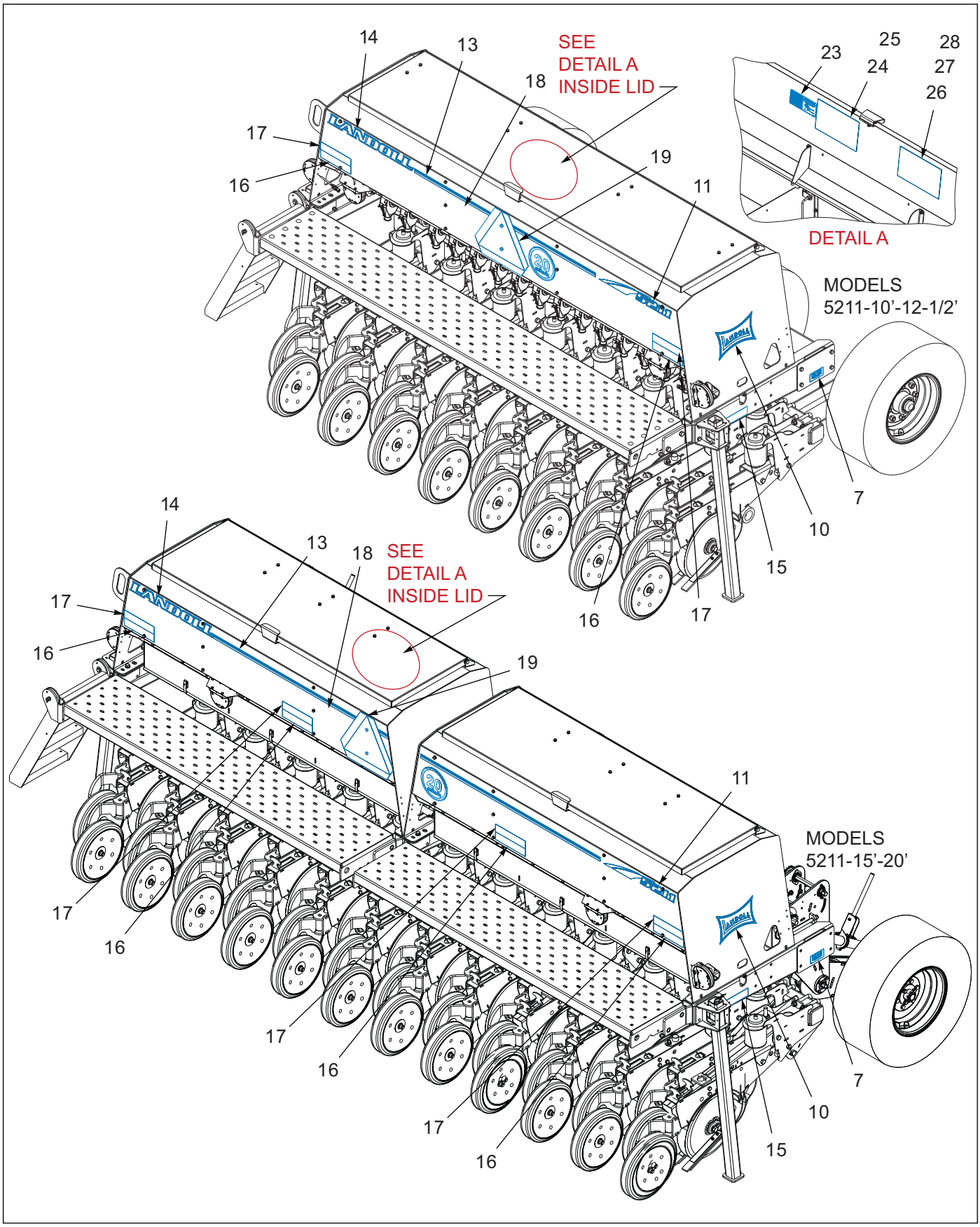



**Figure 7-4: Decal Installation (4 of 4)**

# Decals

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | |
|---|---|---|---|---|---|---|
| - - | - - - - - | MODELS 5211-10’ | * | | | |
| - - | - - - - - | MODELS 5211-12-1/2’ | | * | | |
| - - | - - - - - | MODELS 5211-15’ | | | * | |
| - - | - - - - - | MODELS 5211-20’ | | | | * |
| 1 | 224513 | DECAL, HOSE ID GRAIN DRILL | -- | 1 | 1 | 1 |
| 2 | 144193 | DECAL, SIS 20 MPH | 1 | 1 | 1 | 1 |
| 3 | 8-573-010084 | DECAL WARNING BEFORE OPERATG | 1 | 1 | 1 | 1 |
| 4 | 211045 | DECAL, AIR SYSTEM | 1 | 1 | 1 | 1 |
| 5 | 2-573-010198 | DECAL, MEMBER FEMA | 1 | 1 | 1 | 1 |
| 6 | 232178 | DECAL, QR CODE 5000 GD SERIES | 1 | 1 | 2 | 2 |
| 7 | 166243 | DECAL, PATENT, TILLAGE | 3 | 3 | 3 | 3 |
| 8 | 1-573-010006 | PLACARD, NAME | 1 | 1 | 1 | 1 |
| 9 | 156010 | RIVET, BLIND .156X1/2 GRIP | 2 | 2 | 2 | 2 |
| 10 | 144351 | DECAL, BLACK BOW-TIE | 2 | 2 | 2 | 2 |
| 11 | 172731 | DECAL, MODEL 5211 | 2 | 2 | 2 | 2 |
| 12 | 205147 | DECAL, SEED LEVEL | 1 | 2 | 2 | 2 |
| 13 | 151539 | DECAL, STRIPE 1" X 54" | 2 | -- | 4 | -- |
| 13 | 161515 | DECAL, STRIPE 1" X 84" | -- | 2 | -- | 4 |
| 14 | 141260 | DECAL, LANDOLL | 2 | 2 | 2 | 2 |
| 15 | 528934 | REFLECTOR - YELLOW | 4 | 4 | 4 | 4 |
| 16 | 528933 | REFLECTOR - RED | 2 | 2 | 4 | 4 |
| 17 | 528938 | STRIPE, ORANGE | 2 | 2 | 4 | 4 |
| 18 | 224589 | DECAL, SIS 20 MILE/H | 1 | 1 | 1 | 1 |
| 19 | 70260977 | SMV EMBLEM | 1 | 1 | 1 | 1 |
| 20 | 205140 | REFLECTOR-YELLOW 1/2X2 | 2 | 2 | 2 | 2 |
| 21 | 141597 | DECAL, DANGER ELECTROCUTION | 2 | 2 | 2 | 2 |
| 22 | 2-573-010330-03 | DECAL, LUBRICATION 50 HOURS | 4 | 4 | 4 | 4 |
| 23 | 174397 | DECAL, FERILIZER RATE **(LOW)** | 1 | 1 | 1 | 1 |
| 24 | 176490 | DECAL, SEED RATE | 1 | 1 | 1 | 1 |
| 25 | 235328 | DECAL, SEED RATE 6" SP | 1 | 1 | 1 | 1 |
| 26 | 235329 | DECAL, SMALL SEED RATE 6" SP | 1 | 1 | 1 | 1 |
| 27 | 174412 | DECAL, SMALL SEED RATE | 1 | 1 | 1 | 1 |
| 28 | 249356 | DECAL,SMALL SEED RATE 10 SP | 1 | 1 | 1 | 1 |

Table provided for general use.

| NOTES: |
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# Monitors

## Drill Monitor Loup Mini Assembly

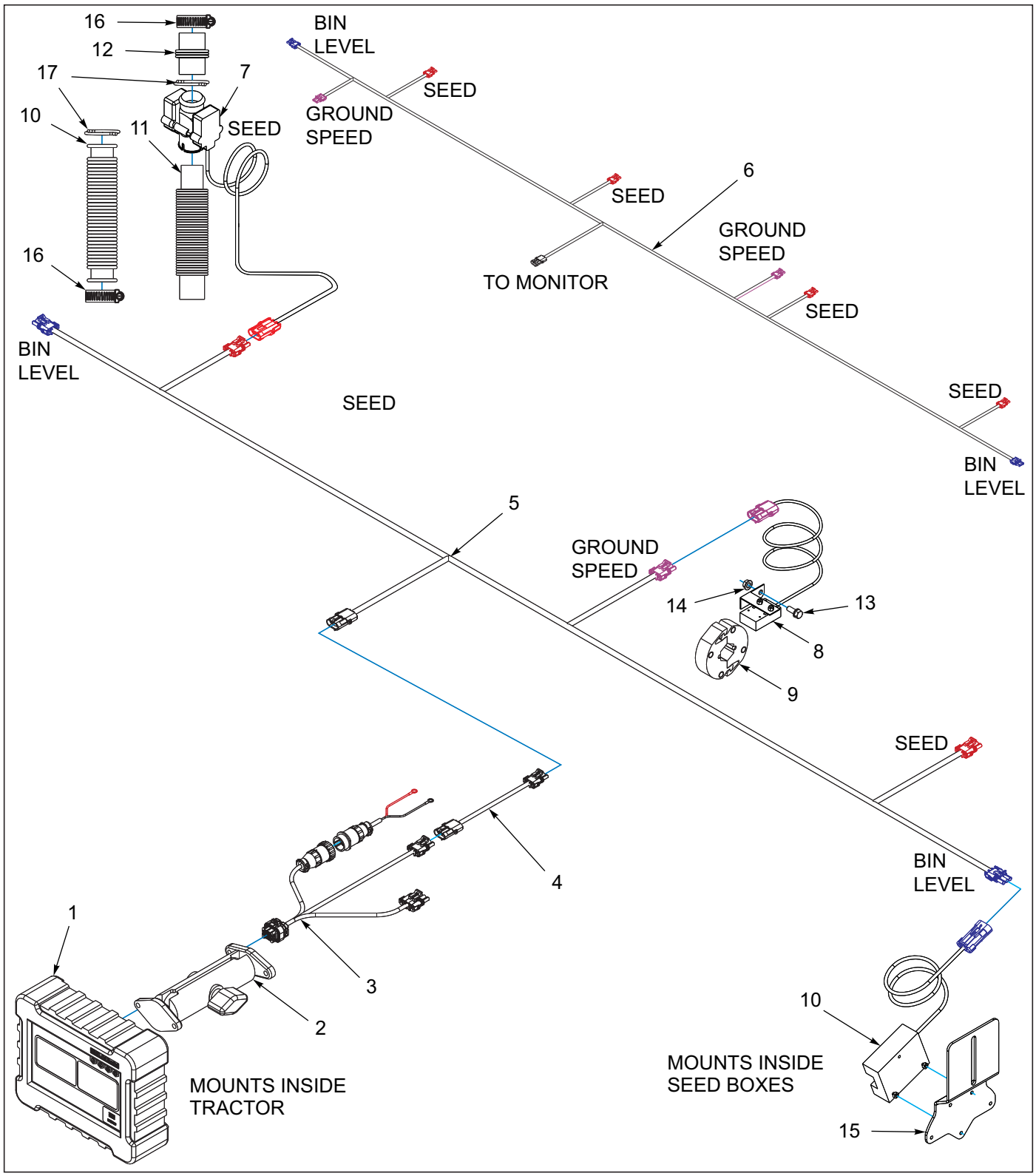



Figure 8-1: Drill Monitor Loup Mini Assembly

# Drill Monitor Loup Mini Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 214896 | MONITOR MINI ASSY, AIR 10' **(INCLUDES ITEMS 1-15)** | * | |
| -- | 214897 | MONITOR MINI ASSY, AIR 12-1/2' **(INCLUDES ITEMS 1-15)** | * | |
| -- | 214898 | MONITOR ASSY, AIR OPENER 15 **(INCLUDES ITEMS 1-15)** | | * |
| -- | 214899 | MONITOR ASSY, AIR OPENER 20 **(INCLUDES ITEMS 1-15)** | | * |
| -- | 224625 | KIT,DRILL MONITOR MINI 10-12.5 **(INCLUDES ITEMS 1-10)** | 1 | -- |
| -- | 224626 | KIT, DRILL MONITOR MINI 15-20 **(INCLUDES ITEMS 1-10)** | -- | 1 |
| 1 | 224631 | MONITOR, DRILL ELITE MINI | 1 | 1 |
| 1 | 174434 | MOUNT, LOUP II MONITOR | 1 | 1 |
| 2 | 224632 | CABLE, MONITOR POWER MINI | 1 | 1 |
| 3 | 176657 | HARNESS, DRILL MONITOR 14' | 2 | 2 |
| 4 | 176488 | HARNESS, DRILL 5211 10-12-1/2 | 1 | -- |
| 5 | 176489 | HARNESS, DRILL 5211 15'-20' | -- | 1 |
| 6 | 174414 | SENSOR, POPULATION | 2 | 4 |
| 7 | 174419 | SENSOR, SMART SHAFT | 1 | 1 |
| 8 | 174420 | ACTUATOR, 7/8 HEX | 1 | 1 |
| 9 | 174399 | SENSOR, BIN LEVEL | 1 | 1 |
| 10 | 247254 | HOSE, SEED TUBE **(USED ON BOTTOM OF SENSOR) (USED ON AIR OPENER)** | 2 | 4 |
| 11 | 214804 | HOSE, SEED SPRING OPENER LOWER **(USED ON BOTTOM OF SENSOR) (USED ON SPRING OPENER)** | 2 | 4 |
| 12 | 176566 | HOSE, SEED 2-1/2" **(USED ON TOP OF SENSOR)** | 2 | 4 |
| 13 | 144268 | SCREW 5/16-18UNCX3/4FLG HD ZP | 1 | 1 |
| 14 | 126561 | NUT,FLG HD,SERRATED,5/16-18ZP | 1 | 1 |
| 15 | 174400 | BRACKET, BIN LEVEL SENSOR | 1 | 2 |
| 16 | 42H20 | CLAMP, HOSE 1-1/4 IN | 2 | 2 |
| 17 | 144129 | CLAMP, HOSE #24 | 2 | 2 |

# Electronic Acre Meter Assembly

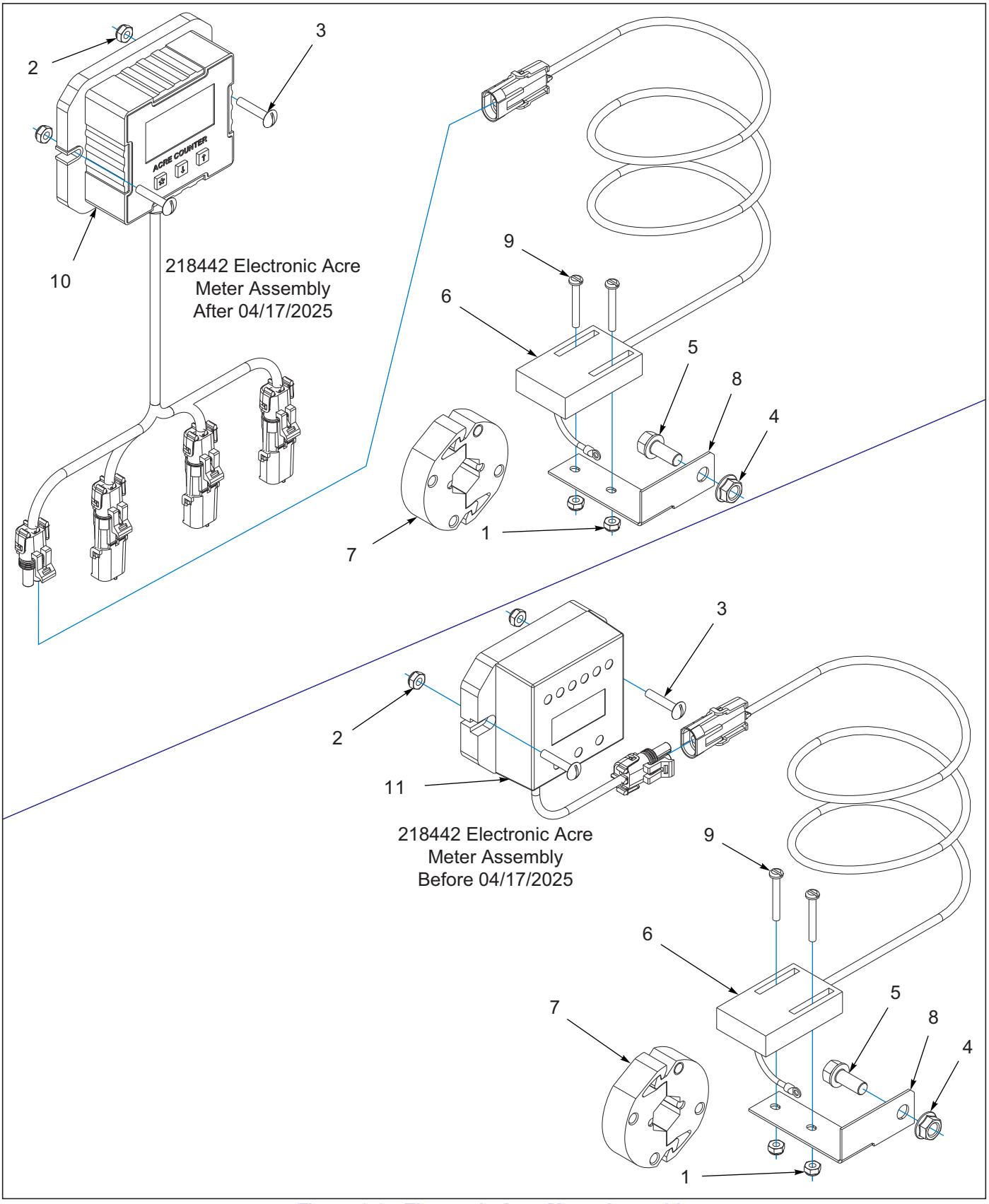



Figure 8-2: Electronic Acre Meter Assembly

# Electronic Acre Meter Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 218442 | METER ASSY, ELECTRONIC ACRE | |
| 1 | 1-512-010003-03 | NUT,HX 8-32,SLF-LKG W/NYL | 2 |
| 2 | 1-512-010003-06 | NUT,HEX,SLFLKG W/NLY 10-24 | 2 |
| 3 | 1-656-010003053 | SCREW RD HD MACH 10-24X1 | 2 |
| 4 | 126561 | NUT,FLG HD,SERRATED,5/16-18ZP | 1 |
| 5 | 144268 | SCREW 5/16-18UNCX3/4FLG HD ZP | 1 |
| 6 | 153862 | SWITCH ASSY, ELECTRONIC ACRE | 1 |
| 7 | 153863 | ACTUATOR, ELECTRONIC ACRE | 1 |
| 8 | 165879 | MOUNT - PICKUP SWITCH | 1 |
| 9 | 85G820E | SCREW PAN HD SLT 8-32X1-1/4 | 2 |
| 10 | 254817 | METER, ACRE 4 CHANNEL **(AFTER 04/17-2025)** | 1 |
| 11 | 170948 | CONSOLE, ELECTRONIC ACRE **(BEFORE 04/17-2025) (DISCONTINUED)** | 1 |

# Options

## Scale Mount Assembly

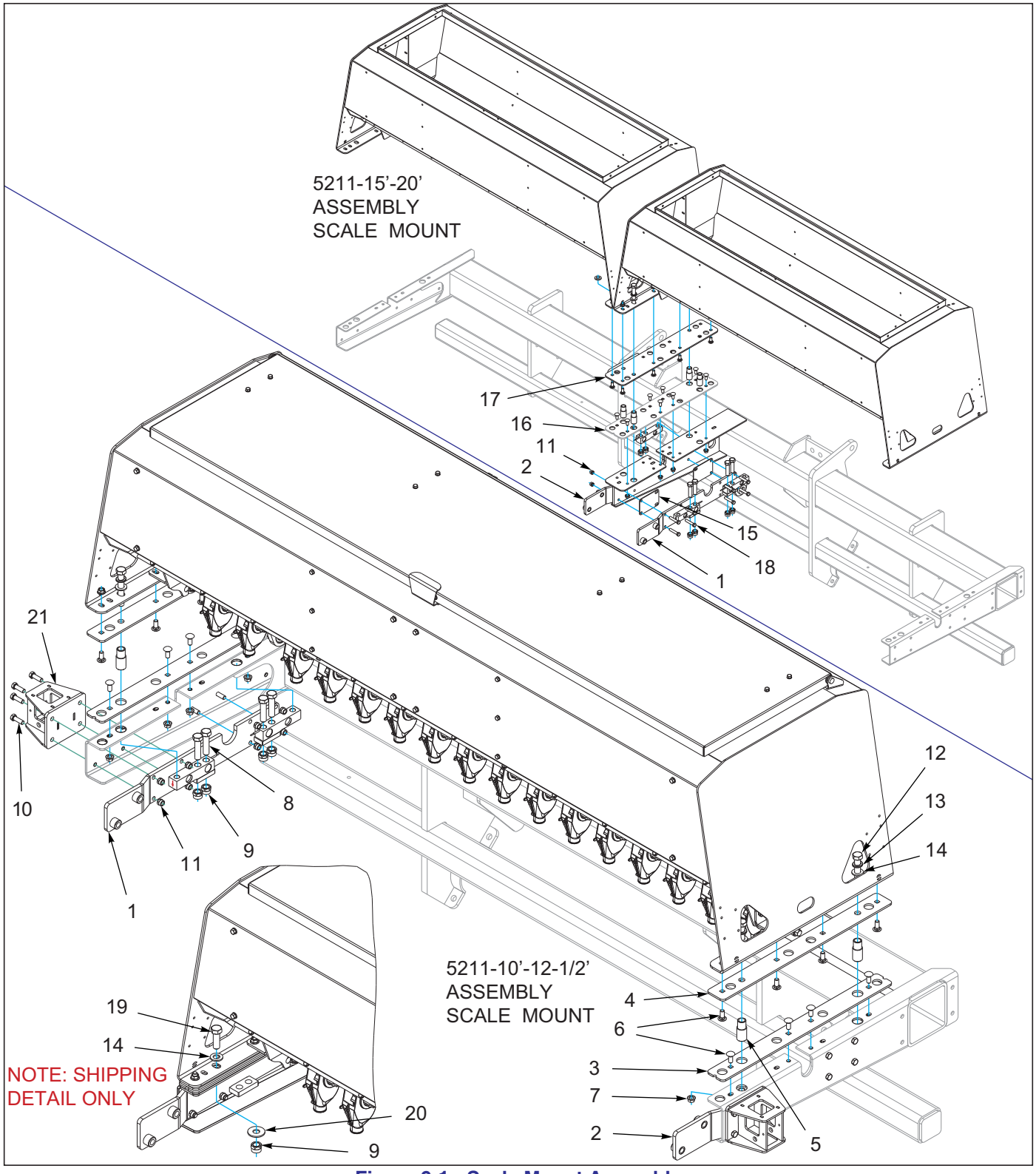



Figure 9-1: Scale Mount Assembly

# Scale Mount Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | |
|---|---|---|---|---|---|---|
| -- | 220191 | SCALE MOUNT KIT, 10-12-1/2 | * | | | |
| -- | 220193 | SCALE MT KIT, SMALL SEED 10-12 | | * | | |
| -- | 220192 | SCALE MOUNT KIT, 15-20 | | | * | |
| -- | 220194 | SCALE MT KIT, SMALL SEED 15-20 | | | | * |
| 1 | 216479 | MOUNT,WALKBOARD LT/SCALE WLDMT | 1 | -- | 2 | -- |
| 1 | 220177 | MOUNT, WALKBOARD LT WLDMT EXT | -- | 1 | -- | 2 |
| 2 | 216478 | MOUNT,WALKBOARD RT/SCALE WLDMT | 1 | -- | 2 | -- |
| 2 | 220176 | MOUNT, WALKBOARD RT WLDMT EXT | -- | 1 | -- | 2 |
| 3 | 216472 | MOUNT, FRAME SUPPORT | 2 | 2 | 2 | 2 |
| 4 | 216473 | MOUNT, BOX SUPPORT | 2 | 2 | 2 | 2 |
| 5 | 216475 | BUSHING, CLAMP 2-7/8"L | 4 | 4 | 8 | 8 |
| 6 | 1-654-010070-02 | SCREW 1/2-13X1-1/4 RD HD SQNK | 16 | 16 | 32 | 32 |
| 7 | 1-510-010003-09 | NUT,1/2-13 FLANGE HD,SERRATED | 8 | 8 | 16 | 16 |
| 8 | 1-654-010061-09 | SCREW HX CP 3/4-10UNCX3 GR5 | 4 | 4 | 8 | 8 |
| 9 | 1-512-010005-15 | NUT,HEX,SLFLKG GRB 3/4-10 | 8 | 8 | 16 | 16 |
| 10 | 1-654-010055-05 | SCREW,HEX CAP,1/2-13UNCX2 GR5 **(PARKING JACK STAND)** | 8 | 8 | 8 | 8 |
| 11 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB | 8 | 8 | 12 | 12 |
| 12 | 1-654-010087-15 | SCREW HX CP,3/4-16UNFX5 GR8 | 4 | 4 | 8 | 8 |
| 13 | 1-861-010034-17 | WASHER,LKG,HLCL SPR,3/4 | 4 | 4 | 8 | 8 |
| 14 | 1-861-010032-20 | WASHER, FLAT,3/4 N ZP/CD | 4 | 4 | 8 | 8 |
| 15 | 216482 | SPACER, 4-HOLE | -- | -- | 4 | 4 |
| 16 | 216486 | MOUNT, FRAME SUPPORT DUAL | -- | -- | 1 | 1 |
| 17 | 216484 | MOUNT, BOX SUPPORT DUAL | -- | -- | 1 | 1 |
| 18 | 1-654-010055-07 | SCREW HX CP 1/2-13UNCX2-1/2 | -- | -- | 4 | 4 |
| 19 | 1-654-010061-06 | SCREW,HXCP,3/4-10UNCX2-1/4GR5 **(USED FOR SHIPPING ONLY)** | 4 | 4 | 8 | 8 |
| 20 | 1-861-010032-21 | WASHER, FLAT 3/4 W ZP/CD **(USED FOR SHIPPING ONLY)** | 4 | 4 | 8 | 8 |
| 21 | 161496 | MOUNT, PARKING STAND WLDMT | 2 | 2 | 2 | 2 |

# Rear Tow Hitch Assembly

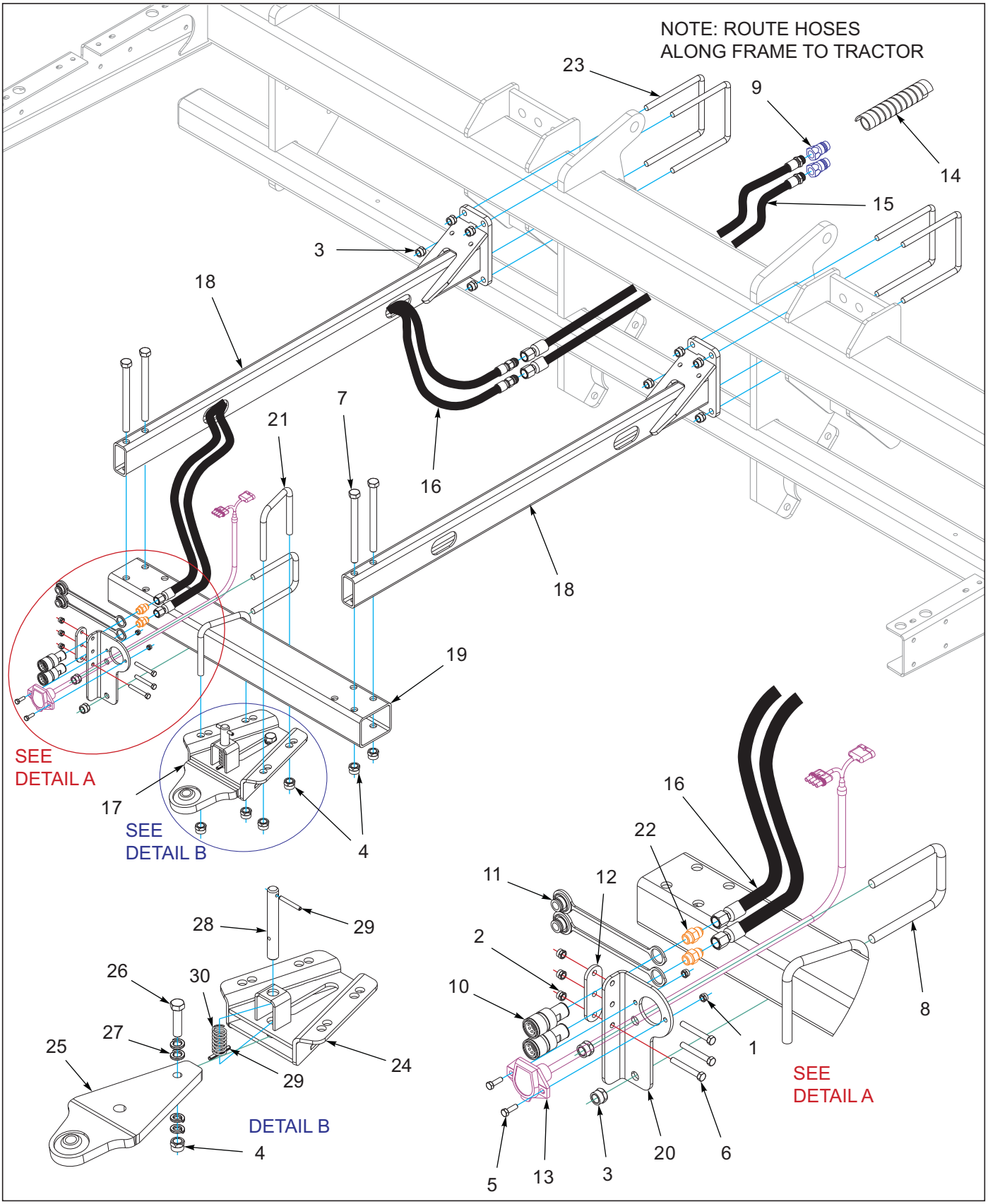



Figure 9-2: Rear Tow Hitch Assembly

# Rear Tow Hitch Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 183960 | REAR TOW HITCH, CLTR\LONG 5211 **(12-1/2' & 15'COULTER)** | * | |
| -- | 199339 | REAR TOW HITCH, LONG 5211-12.5 **(12-1/2' LONG)** | | * |
| 1 | 1-512-010005-03 | NUT HEX SLFLKG GRB 5/16-18 | 2 | 2 |
| 2 | 1-512-010005-05 | NUT, HEX, SLFLKG GRB 3/8-16 | 3 | 3 |
| 3 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 10 | 10 |
| 4 | 1-512-010005-15 | NUT,HEX,SLFLKG GRB 3/4-10 | 8 | 8 |
| 5 | 1-654-010049-05 | SCREW HX CP 5/16-18UNCX1 GR5 | 2 | 2 |
| 6 | 1-654-010051-12 | SCREW,HEX CAP,3/8-16UNCX2-3/4 | 3 | 3 |
| 7 | 1-654-010061-23 | SCREW,HEX CAP 3/4-10UNCX9 GR5 | 4 | 4 |
| 8 | 141228 | U-BOLT 5/8X4X6-1/2 | 1 | 1 |
| 9 | 141828 | COUPLER,MALE 3/4-16 O-RING | 2 | 2 |
| 10 | 142668 | COUPLER FEMALE 3/4-16 O-RING | 2 | 2 |
| 11 | 142669 | PLUG, COUPLER DUST | 2 | 2 |
| 12 | 142671 | PLATE, COUPLER | 1 | 1 |
| 13 | 143871 | HARNESS, TANDEM ADAPTER | 1 | 1 |
| 14 | 155530 | HOSE WRAP, BLACK 1" ID X 8" | 1 | 1 |
| 15 | 158295 | HOSE ASSY 3/8X255 #8JICX#8OR | 2 | -- |
| 15 | 145130 | HOSE ASSY 3/8X214 #8 JICX#80R | -- | 2 |
| 16 | 162887 | HOSE 3/8X80 #8JIC MALE X #8JIC | 2 | 2 |
| 17 | 168767 | HITCH ASSY REAR TOW **(INCLUDES ITEMS 4, 24-30)** | 1 | 1 |
| 18 | 182421 | ARM, REAR TOW HITCH WLDMT | 2 | 2 |
| 19 | 182423 | TUBE, REAR TOW HITCH | 1 | 1 |
| 20 | 182424 | BRACKET COUPLER/SOCKET | 1 | 1 |
| 21 | 2-102-010040 | U-BOLT, DISC ROCKFLEX SHANK | 2 | 2 |
| 22 | 202702-8-8S | ADAPTER #8 O-RING TO #8 TUBE | 2 | 2 |
| 23 | 70593063 | U-BOLT | 4 | 4 |
| 24 | 168768 | MOUNT WLDMT REAR TOW HITCH | 1 | 1 |
| 25 | 168771 | HITCH WLDMT REAR TOW | 1 | 1 |
| 26 | 1-654-010061-09 | SCREW HX CP 3/4-10UNCX3 GR5 | 1 | 1 |
| 27 | 1-861-010034-17 | WASHER,LKG,HLCL SPR,3/4 | 4 | 4 |
| 28 | 168773 | PIN REAR TOW HITCH | 1 | 1 |
| 29 | 1-647-010004240 | PIN,SPRING,SLOTTED,5/16X2-1/2 | 2 | 2 |
| 30 | 162191 | SPRING, COMP 1.218 X 2.5 | 1 | 1 |

# Marker Assembly

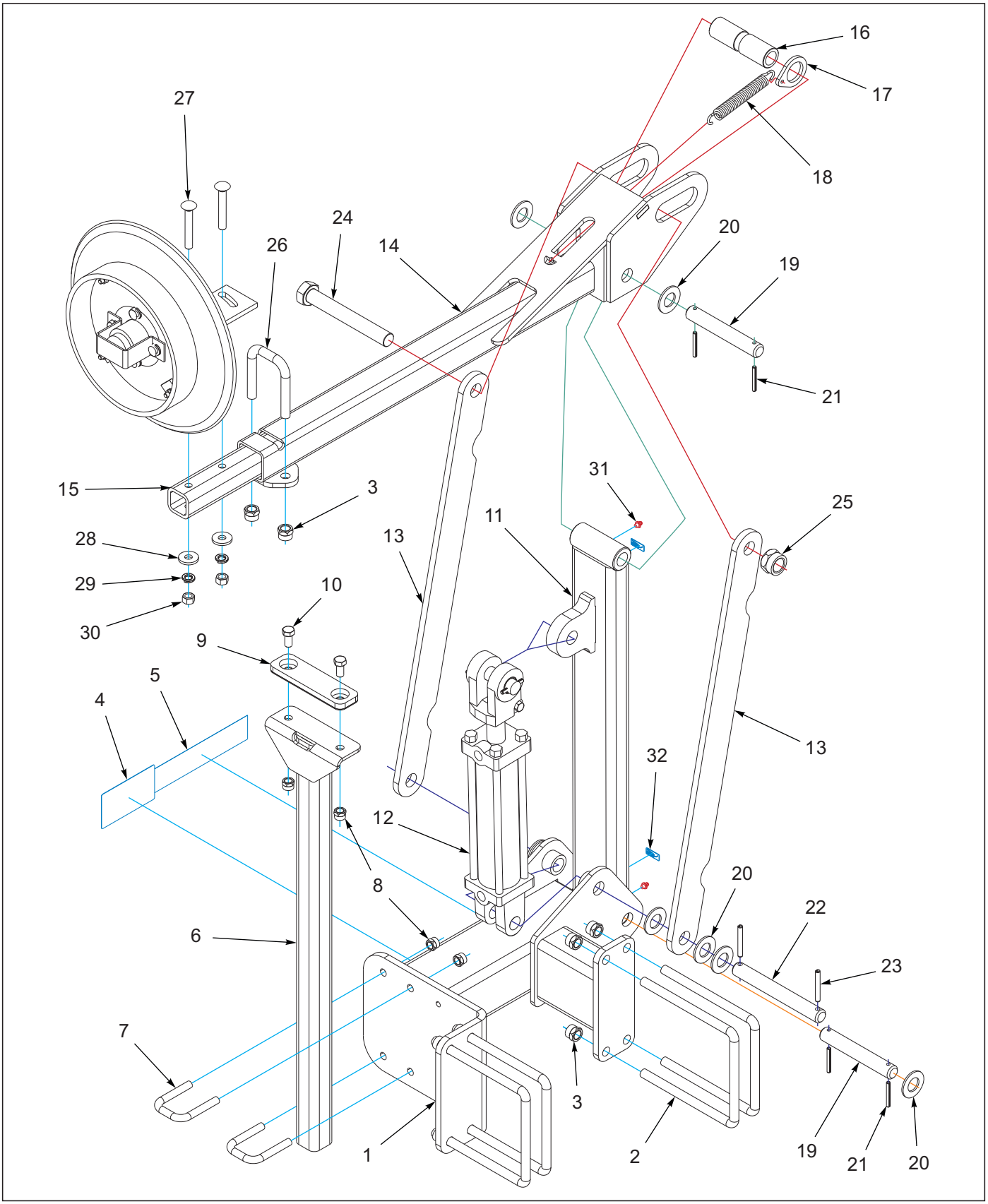



Figure 9-3: Marker Assembly (1 of 2)

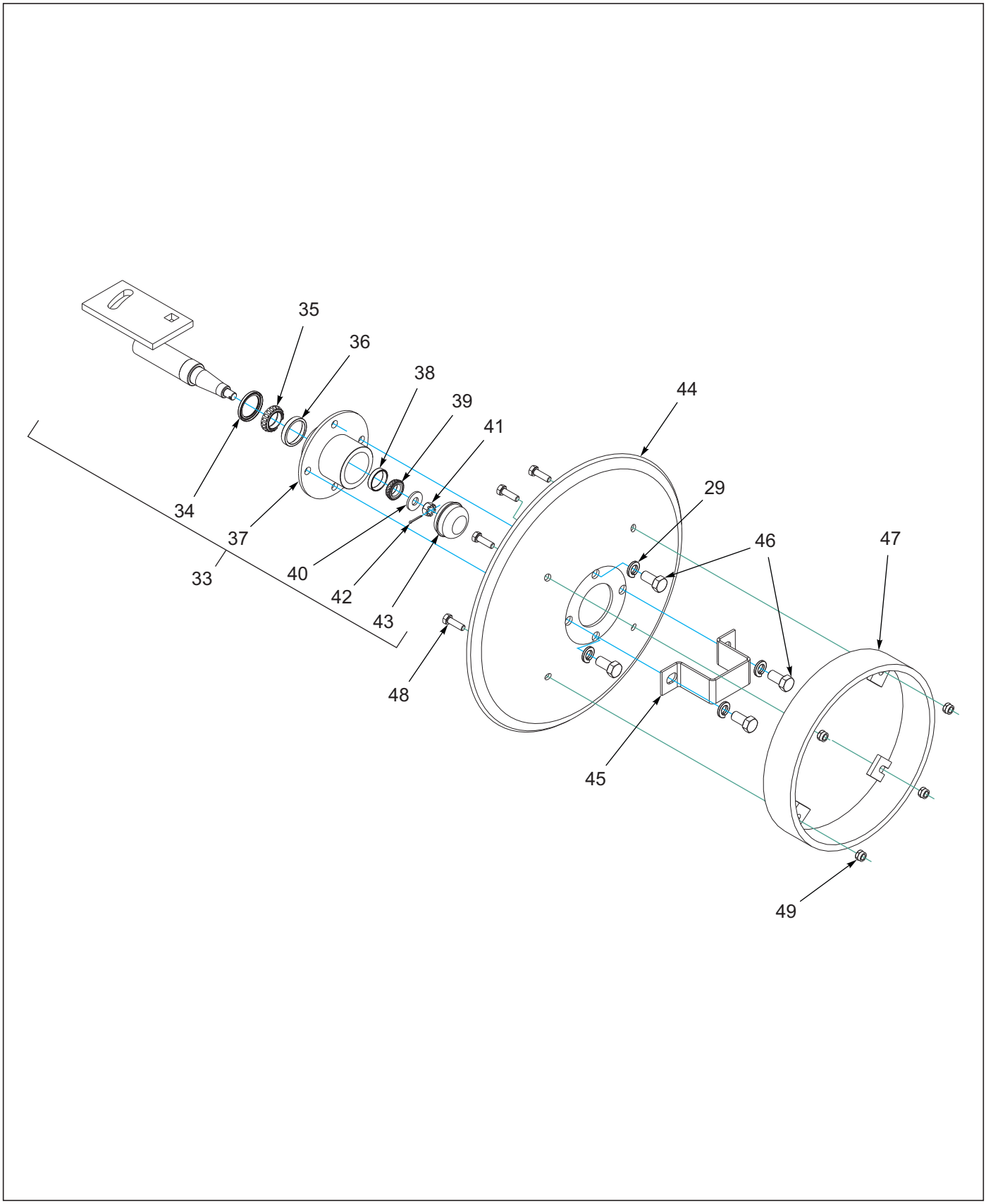



**Figure 9-4: Marker Blade Assembly (2 of 2)**

# Marker Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| -- | 199380 | MARKER ASSY, 10' RIGHT | * | | | | | | | |
| -- | 199381 | MARKER ASSY, 10' LEFT | | * | | | | | | |
| -- | 159084 | MARKER ASSY, 12' - 15' RIGHT | | | * | | | | | |
| -- | 159085 | MARKER ASSY, 12' - 15' LEFT | | | | * | | | | |
| -- | 164346 | MARKER ASSY, 15' RIGHT | | | | | * | | | |
| -- | 164347 | MARKER ASSY, 15' LEFT | | | | | | * | | |
| -- | 161487 | MARKER ASSY, 20' RIGHT | | | | | | | * | |
| -- | 161488 | MARKER ASSY, 20' LEFT | | | | | | | | * |
| 1 | 199382 | MOUNT, MARKER RIGHT 10' WLDMT | 1 | -- | -- | -- | -- | -- | -- | -- |
| 1 | 199383 | MOUNT, MARKER LEFT 10' WLDMT | -- | 1 | -- | -- | -- | -- | -- | -- |
| 1 | 159074 | MOUNT, MARKER RIGHT WLDMT | -- | -- | 1 | -- | -- | -- | 1 | -- |
| 1 | 159075 | MOUNT, MARKER LEFT WLDMT | -- | -- | -- | 1 | -- | -- | -- | 1 |
| 1 | 164148 | MOUNT MARKER RIGHT 15 WLDMT | -- | -- | -- | -- | 1 | -- | -- | -- |
| 1 | 164149 | MOUNT MARKER LEFT 15 WLDMT | -- | -- | -- | -- | -- | 1 | -- | -- |
| 2 | 70593063 | U-BOLT | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 3 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 4 | 141597 | DECAL, DANGER ELECTROCUTION | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5 | 528934 | REFLECTOR - YELLOW | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 | 159072 | ARM, MARKER SUPPORT WLDMT | 1 | 1 | 1 | 1 | 1 | 1 | -- | -- |
| 7 | 8-102-010019 | U BOLT SCRAPER | 2 | 2 | 2 | 2 | 2 | 2 | -- | -- |
| 8 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB | 6 | 6 | 6 | 6 | 6 | 6 | -- | -- |
| 9 | 159073 | PAD, MARKER SUPPORT | 1 | 1 | 1 | 1 | 1 | 1 | -- | -- |
| 10 | 1-654-010055-01 | SCR,HX CP 1/2-13UNCX1 GR5 | 2 | 2 | 2 | 2 | 2 | 2 | -- | -- |
| 11 | 159062 | MARKER, FIRST ARM WLDMT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | 144320 | CYLINDER, 2-1/2 X 8 **(SEE PAGE 9-17)** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 13 | 159070 | LINK, MARKER | 2 | 2 | 2 | 2 | 2 | 2 | -- | -- |
| 13 | 161505 | LINK MARKER 20' | -- | -- | -- | -- | -- | -- | 2 | 2 |
| 14 | 199384 | MARKER, OUTER ARM WLDMT | 1 | 1 | -- | -- | -- | -- | -- | -- |
| 14 | 159067 | MARKER, OUTER ARM WLDMT | -- | -- | 1 | 1 | 1 | 1 | -- | -- |
| 14 | 161490 | MARKER, OUTER ARM WLDMT | -- | -- | -- | -- | -- | -- | 1 | 1 |
| 15 | 199385 | TUBE, EXTENSION MARKER | 1 | 1 | -- | -- | -- | -- | -- | -- |
| 15 | 153887 | EXTENSION TUBE MRKR ASSY 5530 | -- | -- | 1 | 1 | 1 | 1 | 1 | 1 |
| 16 | 159068 | BUSHING 1-1/2 OD X 1 ID,5-1/4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 | 159069 | END, SPRING | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 | 125935 | SPRING,CHAIN TIGHTENER,MONO | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 133457 | PIN CYL BUTT END | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 20 | 1-861-010032-24 | WASHER FL 1IN NARROW ZP | 10 | 10 | 10 | 10 | 10 | 10 | 8 | 8 |
| 21 | 1-647-010004221 | PIN,SPRING 1/4X2 SLOTTED | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 22 | 144355 | PIN 1 X 8 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 23 | 1-647-010004240 | PIN,SPRING,SLOTTED,5/16X2-1/2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 24 | 100856 | SCREW,HHCS,1-8X7-1/2 GR5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 25 | 114462 | NUT,HEX SLFLKG 1-8 UNC GRC | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 26 | 1-102-010050 | U-BOLT,5/8-11X4 GR5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 27 | 1-654-010070-11 | SCREW,RDHD,SQNCK 1/2-13X3-1/2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 28 | 116254 | WASHER MARKER MOUNT | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 29 | 1-861-010034-13 | WASHER, LKG HLCL SPR, 1/2 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 30 | 1-512-010007-09 | NUT, HEX 1/2-13 GR2 ZP | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 31 | 1-298-010001-1 | ZERK FITTING 1/4 SAE | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 32 | 2-573-010330-03 | DECAL, LUBRICATION 50 HOURS | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

# Marker Assembly

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 116446 | LH SPINDLE WLDMT ROWMARKER **(SHOWN)** **(INCLUDES HUB & SPINDLE)** | -- | 1 | -- | 1 | -- | 1 | -- | 1 |
| 33 | 116447 | RH SPINDLE WLDMT ROWMARKER **(INCLUDES HUB & SPINDLE)** | 1 | -- | 1 | -- | 1 | -- | 1 | -- |
| 34 | 125611 | GREASE SEAL CR12411(P602123) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 35 | 125613 | INNER CONE L44643(P752316) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 36 | 70336916 | CUP,LARGE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 37 | 125614 | HUB W/CUPS (084000-4) **(INCLUDES ITEMS 37, 39)** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 38 | 70336914 | CUP,SMALL | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 39 | 70336915 | CONE,SMALL | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 40 | 125617 | SPINDLE WASHER (P301801) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 41 | 125616 | SPINDLE NUT 5/8-18 (P251701) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 42 | 125615 | COTTER PIN 5/32X1-1/2(P401905) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 43 | 125612 | HUB CAP 1517 (P502013) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 44 | 116337 | DISC BLADE, SOLID, 16" PLAIN | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 45 | 116038 | SHIPPING RETAINER,ROWMRKR HUB | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 46 | 830025 | SCREW,HHC 1/2-20UNFX1"LG GR8 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 47 | 116390 | DEPTH BAND WLDMT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 48 | 1-654-010049-05 | SCREW HX CP 5/16-18UNCX1 GR5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 49 | 1-512-010005-03 | NUT HEX SLFLKG GRB 5/16-18 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

# Marker Hydraulic Assembly 5211-10’

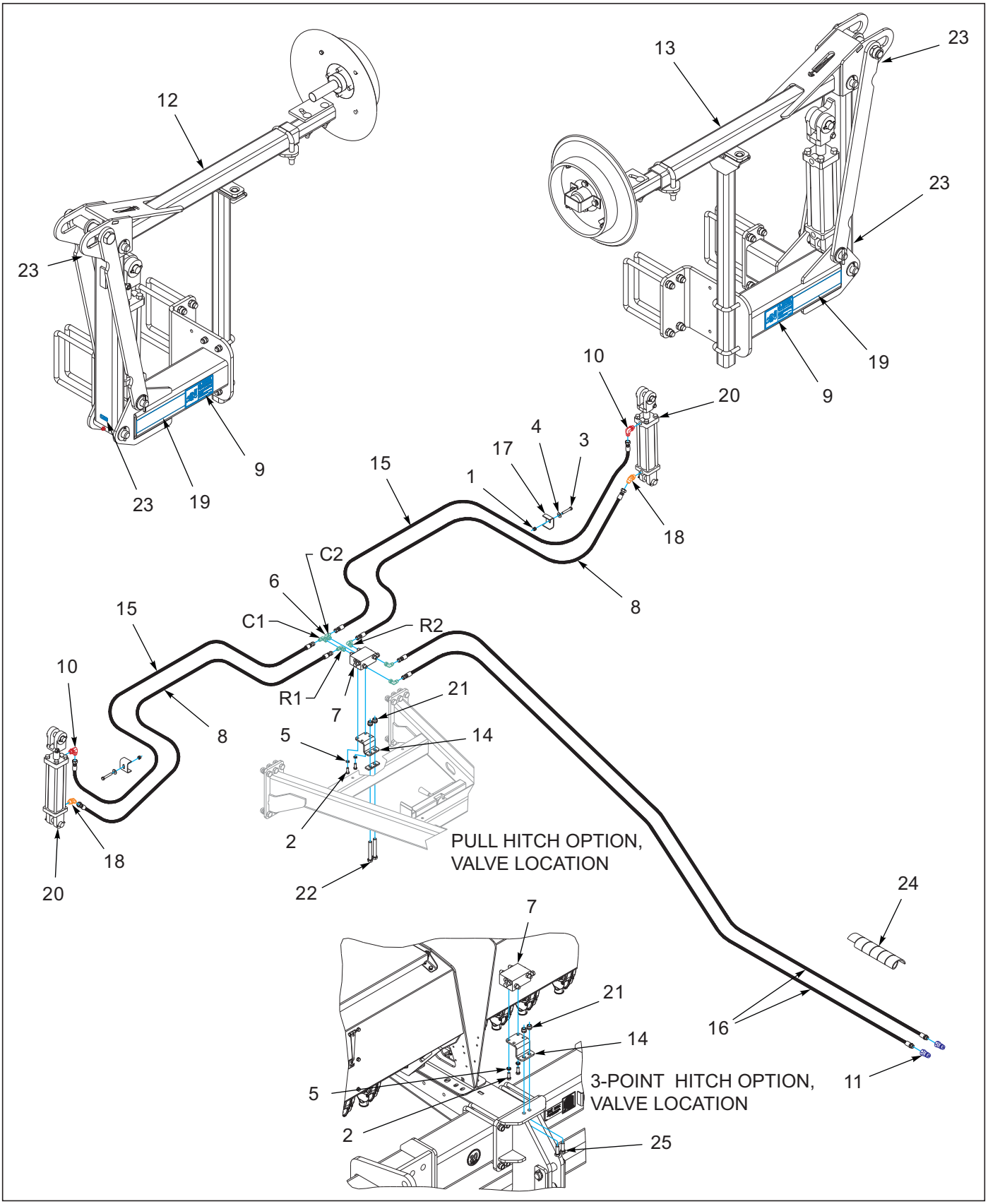



Figure 9-5: Marker Hydraulic Assembly 5211-10’

# Marker Hydraulic Assembly 5211-10’

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 199379 | MARKER ASSY, LONG 5211-10 | |
| 1 | 1-512-010005-05 | NUT, HEX, SLFLKG GRB 3/8-16 | 2 |
| 2 | 1-654-010051-05 | SCREW,HEX CAP 3/8-16UNCX1 GR5 | 2 |
| 3 | 1-654-010051-10 | SCREW,HX CP3/8-16X2-1/4 GR5 | 2 |
| 4 | 1-861-010032-11 | WASHER, FLAT 3/8 W ZP/CD | 2 |
| 5 | 1-861-010034-11 | WASHER, LKG HLCL SPR, 3/8 | 2 |
| 6 | 102-0031 | ADAPTER,90 JIC SWIVEL #6 | 6 |
| 7 | 116350 | VALVE ASSY | 1 |
| 8 | 130342 | HOSE ASSY 3/8X72,#6JICX#8JIC | 2 |
| 9 | 141597 | DECAL, DANGER ELECTROCUTION **(SEE PAGE 7-1)** | 2 |
| 10 | 141827 | ELBOW 90 3/4ORB3/4JIC 1/32REST | 2 |
| 11 | 141828 | COUPLER,MALE 3/4-16 O-RING | 2 |
| 12 | 199380 | MARKER ASSY, 10' RIGHT **(SEE PAGE 9-17)** | 1 |
| 13 | 199381 | MARKER ASSY, 10' LEFT **(SEE PAGE 9-17)** | 1 |
| 14 | 159086 | BRACKET, VALVE MOUNT | 1 |
| 15 | 130947 | HOSE,3/8X62,#6JIX-#8JIC | 2 |
| 16 | 189464 | HOSE ASSY 3/8X213 #6JICX#8OR | 2 |
| 17 | 2-181-010001 | HOSE CLAMP | 2 |
| 18 | 2061-8-8S | ADAPTER, 45, #8 O-RING-TUBE | 2 |
| 19 | 528934 | REFLECTOR - YELLOW **(SEE PAGE 7-1)** | 2 |
| 20 | 144320 | CYLINDER, 2-1/2 X 8 **(SEE PAGE 9-17)** | 2 |
| 21 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB | 2 |
| 22 | 1-654-010055-13 | SCREW,HEX CAP,1/2-13UNCX4 GR5 | 2 |
| 23 | 2-573-010330-03 | DECAL, LUBRICATION 50 HOURS **(SEE PAGE 7-1)** | 4 |
| 24 | 155530 | HOSE WRAP, BLACK 1" ID X 8" | 1 |
| 25 | 1-654-010055-03 | SCREW,HEX CAP,1/2-13UNCX1-1/2 | 2 |

# Marker Hydraulic Assembly 5211-12-1/2’

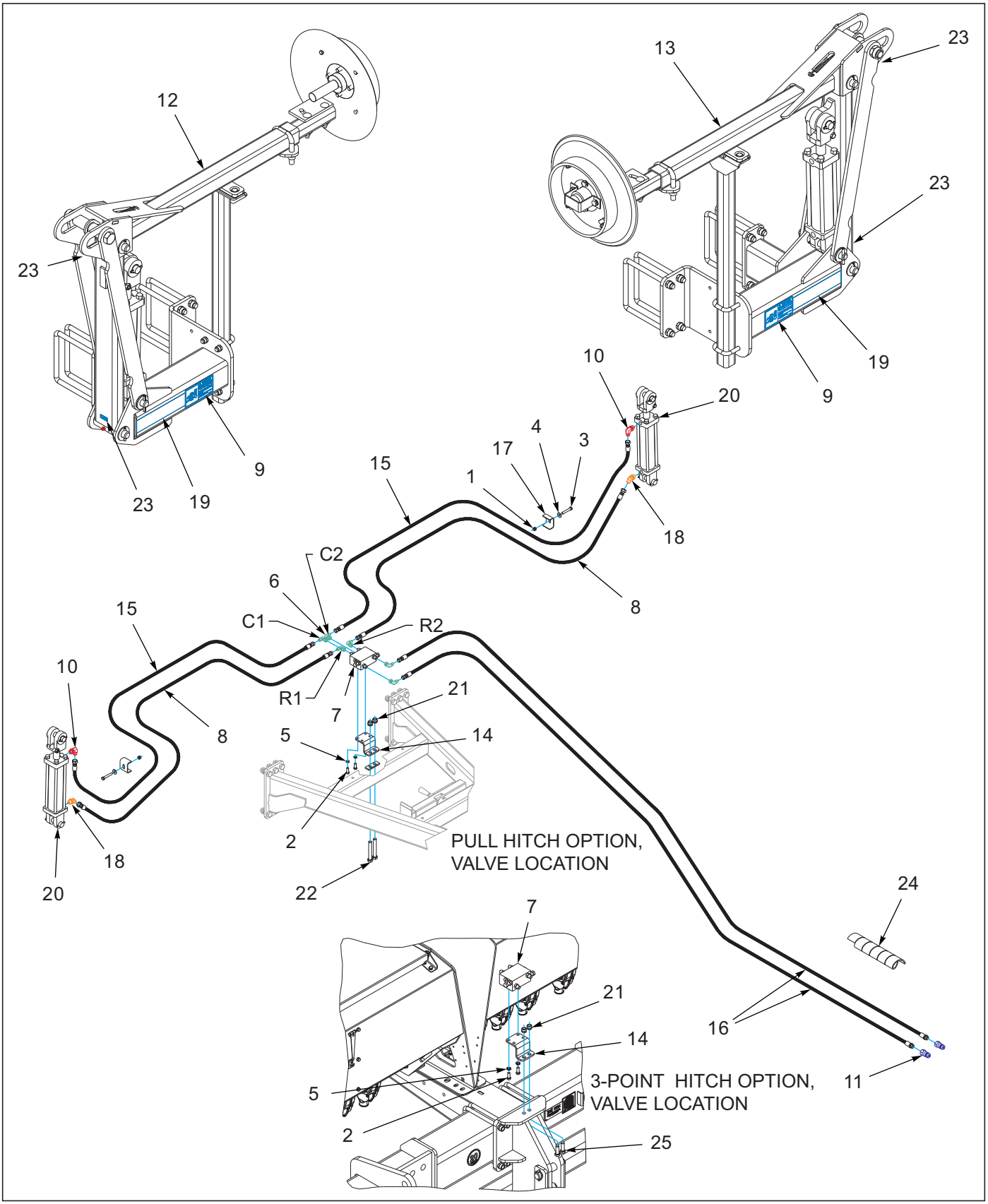



Figure 9-6: Marker Hydraulic Assembly 5211-12-1/2’

# Marker Hydraulic Assembly 5211-12-1/2’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | | |
|---|---|---|---|---|---|
| -- | 189462 | MARKER ASSY, LONG 5211-12.5 | * | | |
| -- | 159919 | MARKER ASSY, CLTR 5210-12.5 | | * | |
| -- | 161502 | MARKER ASSY, 3PT 5210-12.5 | | | * |
| 1 | 1-512-010005-05 | NUT, HEX, SLFLKG GRB 3/8-16 | 2 | 2 | 2 |
| 2 | 1-654-010051-05 | SCREW,HEX CAP 3/8-16UNCX1 GR5 | 2 | 2 | 2 |
| 3 | 1-654-010051-10 | SCREW,HX CP3/8-16X2-1/4 GR5 | 2 | 2 | 2 |
| 4 | 1-861-010032-11 | WASHER, FLAT 3/8 W ZP/CD | 2 | 2 | 2 |
| 5 | 1-861-010034-11 | WASHER, LKG HLCL SPR, 3/8 | 2 | 2 | 2 |
| 6 | 102-0031 | ADAPTER,90 JIC SWIVEL #6 | 6 | 6 | 6 |
| 7 | 116350 | VALVE ASSY | 1 | 1 | 1 |
| 8 | 130342 | HOSE ASSY 3/8X72,#6JICX#8JIC | 2 | 2 | 2 |
| 9 | 141597 | DECAL, DANGER ELECTROCUTION **(SEE PAGE 7-1)** | 2 | 2 | 2 |
| 10 | 141827 | ELBOW 90 3/4ORB3/4JIC 1/32REST | 2 | 2 | 2 |
| 11 | 141828 | COUPLER,MALE 3/4-16 O-RING | 2 | 2 | 2 |
| 12 | 159084 | MARKER ASSY, 12' - 15' RIGHT **(SEE PAGE 9-17)** | 1 | 1 | 1 |
| 13 | 159085 | MARKER ASSY, 12' - 15' LEFT **(SEE PAGE 9-17)** | 1 | 1 | 1 |
| 14 | 159086 | BRACKET, VALVE MOUNT | 1 | 1 | 1 |
| 15 | 161459 | HOSE ASSY 3/8X84, #6JICX#8JIC | 2 | 2 | 2 |
| 16 | 161493 | HOSE ASSY 3/8X252 #6JICX#8OR | 2 | -- | -- |
| 16 | 189464 | HOSE ASSY 3/8X213 #6JICX#8OR | -- | 2 | -- |
| 16 | 168882 | HOSE ASSY 3/8 X 72 #6JICX#8OR | -- | -- | 2 |
| 17 | 2-181-010001 | HOSE CLAMP | 2 | 2 | 2 |
| 18 | 2061-8-8S | ADAPTER, 45, #8 O-RING-TUBE | 2 | 2 | 2 |
| 19 | 528934 | REFLECTOR - YELLOW **(SEE PAGE 7-1)** | 2 | 2 | 2 |
| 20 | 144320 | CYLINDER, 2-1/2 X 8 **(SEE PAGE 9-17)** | 2 | 2 | 2 |
| 21 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB | 2 | 2 | 2 |
| 22 | 1-654-010055-13 | SCREW,HEX CAP,1/2-13UNCX4 GR5 | 2 | 2 | 2 |
| 23 | 2-573-010330-03 | DECAL, LUBRICATION 50 HOURS **(SEE PAGE 7-1)** | 4 | 4 | 4 |
| 24 | 155530 | HOSE WRAP, BLACK 1" ID X 8" | 1 | 1 | 1 |
| 25 | 1-654-010055-03 | SCREW,HEX CAP,1/2-13UNCX1-1/2 | 2 | 2 | 2 |

# Marker Hydraulic Assembly 5211-15’

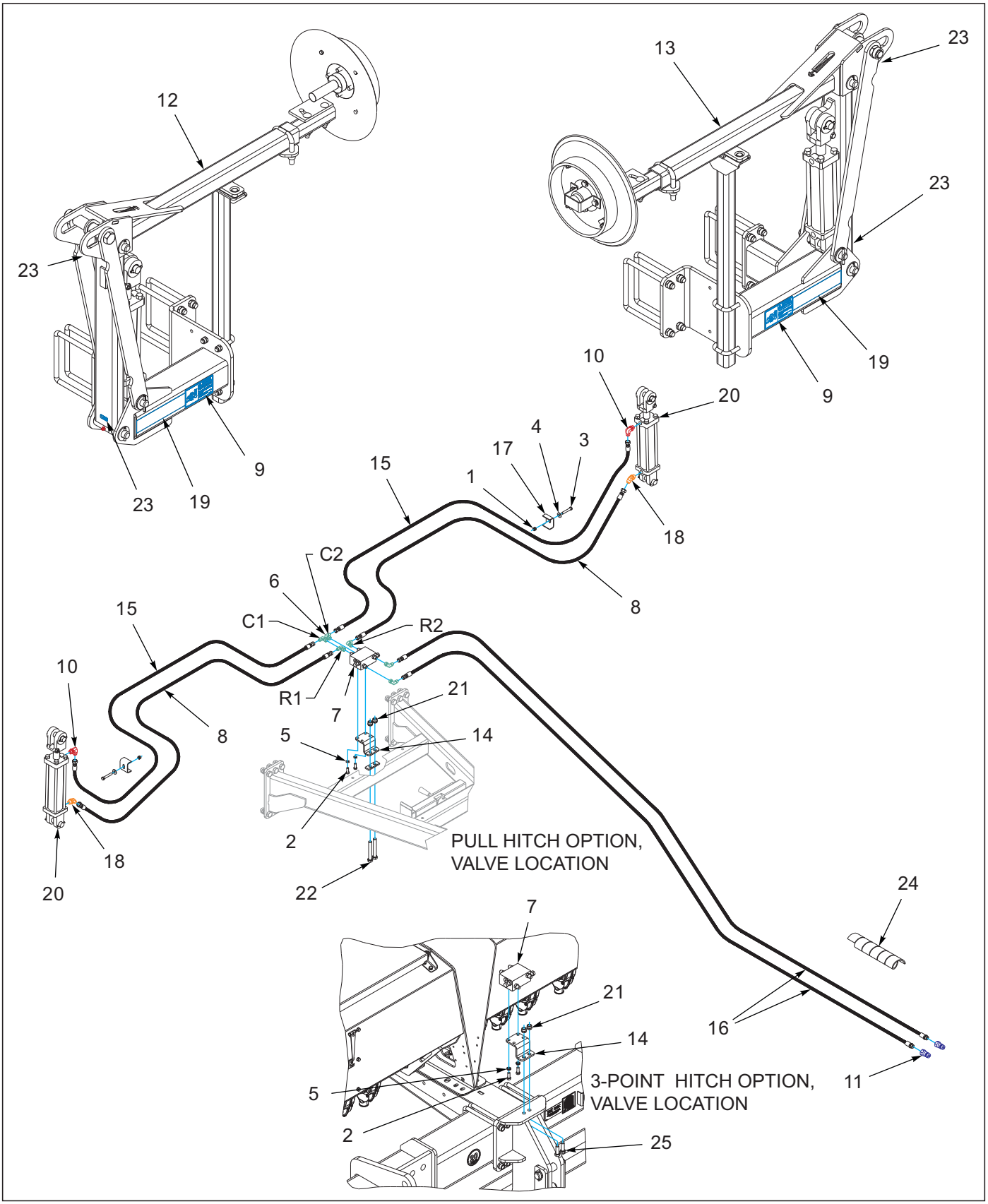



Figure 9-7: Marker Hydraulic Assembly 5211-15’

# Marker Hydraulic Assembly 5211-15’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 161495 | MARKER ASSY, LONG-CLTR 5210-15 | * | |
| -- | 161494 | MARKER ASSY, 3PT 5210-15 | | * |
| 1 | 1-512-010005-05 | NUT, HEX, SLFLKG GRB 3/8-16 | 2 | 2 |
| 2 | 1-654-010051-05 | SCREW,HEX CAP 3/8-16UNCX1 GR5 | 2 | 2 |
| 3 | 1-654-010051-10 | SCREW,HX CP3/8-16X2-1/4 GR5 | 2 | 2 |
| 4 | 1-861-010032-11 | WASHER, FLAT 3/8 W ZP/CD | 2 | 2 |
| 5 | 1-861-010034-11 | WASHER, LKG HLCL SPR, 3/8 | 2 | 2 |
| 6 | 102-0031 | ADAPTER,90 JIC SWIVEL #6 | 6 | 6 |
| 7 | 116350 | VALVE ASSY | 1 | 1 |
| 8 | 130333 | HOSE ASSY 3/8X96 #6JICX#8JIC | 2 | 2 |
| 9 | 141597 | DECAL, DANGER ELECTROCUTION **(SEE PAGE 7-1)** | 2 | 2 |
| 10 | 141827 | ELBOW 90 3/4ORB3/4JIC 1/32REST | 2 | 2 |
| 11 | 141828 | COUPLER,MALE 3/4-16 O-RING | 2 | 2 |
| 12 | 164346 | MARKER ASSY, 15' RIGHT **(SEE PAGE 9-17)** | 1 | -- |
| 12 | 159084 | MARKER ASSY, 12' - 15' RIGHT **(SEE PAGE 9-17)** | -- | 1 |
| 13 | 164347 | MARKER ASSY, 15' LEFT **(SEE PAGE 9-17)** | 1 | -- |
| 13 | 159085 | MARKER ASSY, 12' - 15' LEFT **(SEE PAGE 9-17)** | -- | 1 |
| 14 | 159086 | BRACKET, VALVE MOUNT | 1 | 1 |
| 15 | 159087 | HOSE ASSY 3/8X108 #6JICX#8JIC | 2 | 2 |
| 16 | 161493 | HOSE ASSY 3/8X252 #6JICX#8OR | 2 | -- |
| 16 | 168882 | HOSE ASSY 3/8 X 72 #6JICX#8OR | -- | 2 |
| 17 | 2-181-010001 | HOSE CLAMP | 2 | 2 |
| 18 | 2061-8-8S | ADAPTER, 45, #8 O-RING-TUBE | 2 | 2 |
| 19 | 528934 | REFLECTOR - YELLOW **(SEE PAGE 7-1)** | 2 | 2 |
| 20 | 144320 | CYLINDER, 2-1/2 X 8 **(SEE PAGE 9-17)** | 2 | 2 |
| 21 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB | 2 | 2 |
| 22 | 1-654-010055-13 | SCREW,HEX CAP,1/2-13UNCX4 GR5 | 2 | 2 |
| 23 | 2-573-010330-03 | DECAL, LUBRICATION 50 HOURS **(SEE PAGE 7-1)** | 4 | 4 |
| 24 | 155530 | HOSE WRAP, BLACK 1" ID X 8" | 1 | 1 |
| 25 | 1-654-010055-03 | SCREW,HEX CAP,1/2-13UNCX1-1/2 | 2 | 2 |

# Marker Hydraulic Assembly 5211-20’

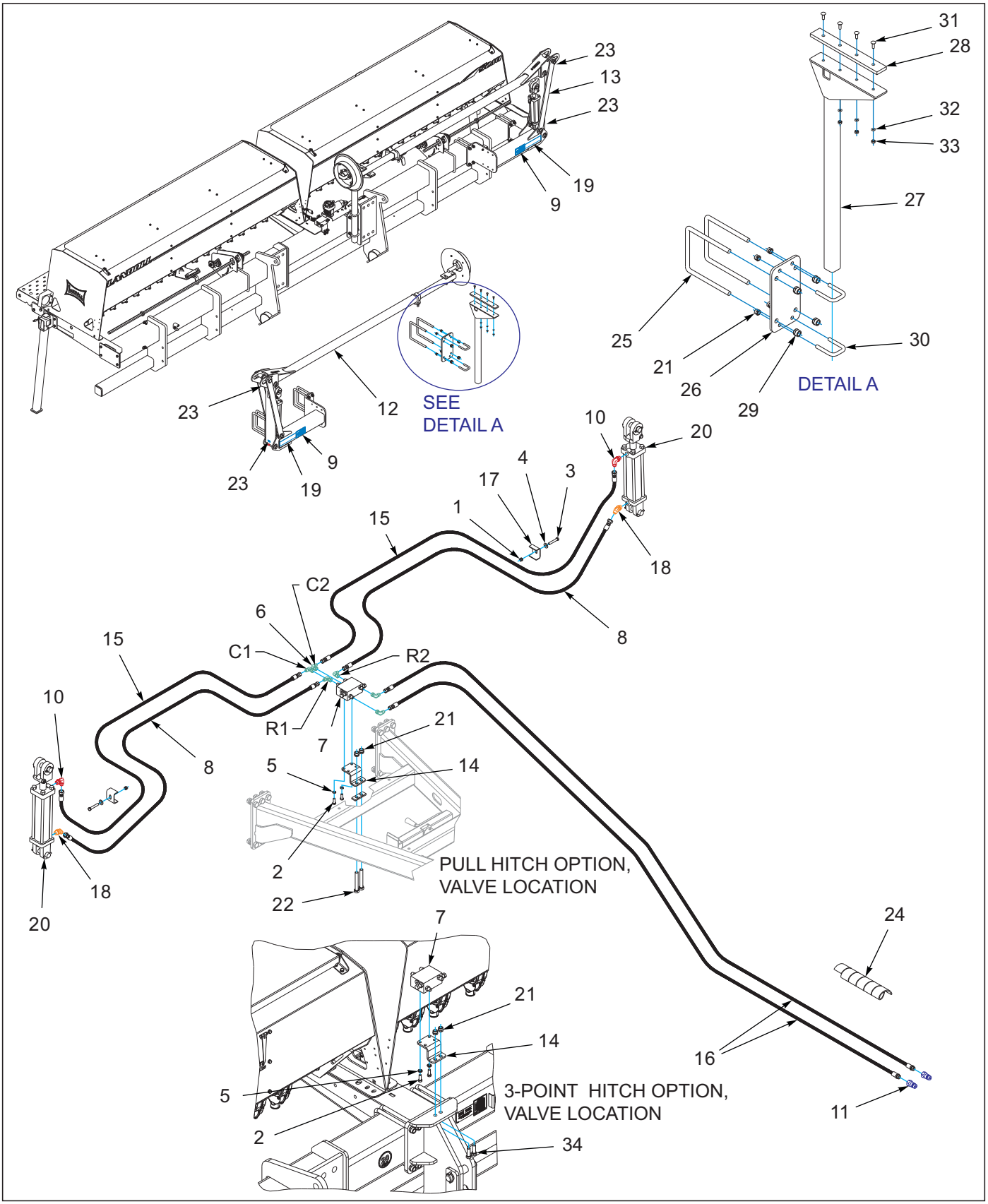



Figure 9-8: Marker Hydraulic Assembly 5211-20’

# Marker Hydraulic Assembly 5211-20’

| ITEM | PART NUMBER | DESCRIPTION | QTY. | |
|---|---|---|---|---|
| -- | 183961 | MARKER ASSY, LONG 5211-20 | * | |
| -- | 161485 | MARKER ASSY, 3PT 5210-20 | | * |
| 1 | 1-512-010005-05 | NUT, HEX, SLFLKG GRB 3/8-16 | 2 | 2 |
| 2 | 1-654-010051-05 | SCREW,HEX CAP 3/8-16UNCX1 GR5 | 2 | 2 |
| 3 | 1-654-010051-10 | SCREW,HX CP3/8-16X2-1/4 GR5 | 2 | 2 |
| 4 | 1-861-010032-11 | WASHER, FLAT 3/8 W ZP/CD | 2 | 2 |
| 5 | 1-861-010034-11 | WASHER, LKG HLCL SPR, 3/8 | 2 | 2 |
| 6 | 102-0031 | ADAPTER,90 JIC SWIVEL #6 | 6 | 6 |
| 7 | 116350 | VALVE ASSY | 1 | 1 |
| 8 | 151714 | HOSE ASSY 3/8X118 #6JICX#8JIC | 2 | 2 |
| 9 | 141597 | DECAL, DANGER ELECTROCUTION **(SEE PAGE 7-1)** | 2 | 2 |
| 10 | 141827 | ELBOW 90 3/4ORB3/4JIC 1/32REST | 2 | 2 |
| 11 | 141828 | COUPLER,MALE 3/4-16 O-RING | 2 | 2 |
| 12 | 161487 | MARKER ASSY, 20' RIGHT **(SEE PAGE 9-17)** | 1 | 1 |
| 13 | 161488 | MARKER ASSY, 20' LEFT **(SEE PAGE 9-17)** | 1 | 1 |
| 14 | 159086 | BRACKET, VALVE MOUNT | 1 | 1 |
| 15 | 151729 | HOSE ASSY,3/8X130,#6JICX#8JIC | 2 | 2 |
| 16 | 161493 | HOSE ASSY 3/8X252 #6JICX#8OR | 2 | -- |
| 16 | 168882 | HOSE ASSY 3/8 X 72 #6JICX#8OR | -- | 2 |
| 17 | 2-181-010001 | HOSE CLAMP | 2 | 2 |
| 18 | 2061-8-8S | ADAPTER, 45, #8 O-RING-TUBE | 2 | 2 |
| 19 | 528934 | REFLECTOR - YELLOW **(SEE PAGE 7-1)** | 2 | 2 |
| 20 | 144320 | CYLINDER, 2-1/2 X 8 **(SEE PAGE 9-17)** | 2 | 2 |
| 21 | 1-512-010005-09 | NUT,HEX,SLFLKG, 1/2-13 GRB | 10 | 10 |
| 22 | 1-654-010055-13 | SCREW,HEX CAP,1/2-13UNCX4 GR5 | 2 | 2 |
| 23 | 2-573-010330-03 | DECAL, LUBRICATION 50 HOURS **(SEE PAGE 7-1)** | 4 | 4 |
| 24 | 155530 | HOSE WRAP, BLACK 1" ID X 8" | 1 | 1 |
| 25 | 70593063 | U-BOLT | 4 | 4 |
| 26 | 155833 | MOUNT, MARKER SUPPORT | 2 | 2 |
| 27 | 161482 | ARM, MARKER SUPPORT WLDMT | 2 | 2 |
| 28 | 117186 | RUBBER ARMORITE | 2 | 2 |
| 29 | 1-512-010005-13 | NUT,HEX SLFLKG GRB 5/8-11 | 8 | 8 |
| 30 | 8-102-010019 | U BOLT SCRAPER | 4 | 4 |
| 31 | 104031 | SCREW,RDHD,SQNK 5/16-18X1 GR5 | 8 | 8 |
| 32 | 1-861-010034-10 | WASHER,LKG 5/16 | 8 | 8 |
| 33 | 1-512-010007-06 | NUT, HEX 5/16-18 GR2 ZP | 8 | 8 |
| 34 | 1-654-010055-03 | SCREW,HEX CAP,1/2-13UNCX1-1/2 | 2 | 2 |

# 2-1/2 x 8” Hydraulic Cylinder

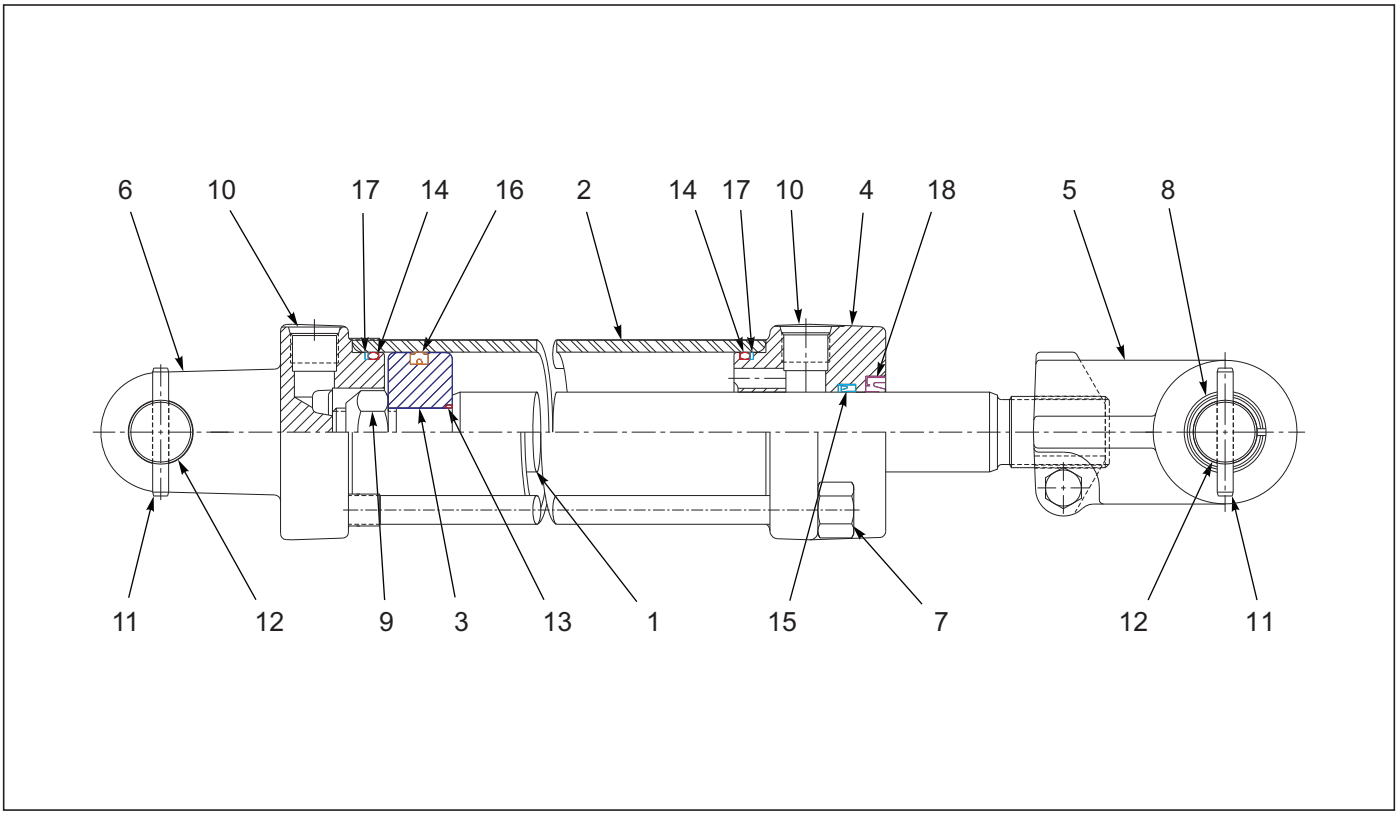



Figure 9-9: 2-1/2 x 8” Hydraulic Cylinder

## 2-1/2 x 8” Hydraulic Cylinder

| ITEM | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| -- | 144320 | CYLINDER, 2-1/2 X 8 | |
| 1 | ----- | PISTON ROD | 1 |
| 2 | ----- | TUBE | 1 |
| 3 | ----- | PISTON | 1 |
| 4 | 154105 | GLAND | 1 |
| 5 | 154095 | CLEVIS ASSEMBLY | 1 |
| 6 | 154096 | BUTT | 2 |
| 7 | ----- | TIEROD ASSEMBLY | 4 |
| 8 | 154097 | BUSHING | 2 |
| 9 | ----- | LOCKNUT | 1 |
| 10 | ----- | SHIPPING PLUG | 3 |
| 11 | 111789 | ROLL PIN | 4 |
| 12 | 155868 | CLEVIS PIN | 2 |
| 13 | ----- | O-RING | 1 |
| 14 | ----- | O-RING | 2 |
| 15 | ----- | U-CUP | 1 |
| 16 | ----- | CROWN SEAL | 1 |
| 17 | ----- | BU-WASHER | 2 |
| 18 | ----- | WIPER | 1 |
| 19 | 154098 | PACKING KIT **(NOT SHOWN) (INCL ITEMS 13 - 18)** | |

Table provided for general use.

| NOTES: |
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# Glossary

For clarity this glossary of industry standard abbreviations and their definitions are provided.For additional information, see instruction on the inside front cover or the last page of this manual.

## A

**ASM** . . . . . Assembly

## B

**BATT** . . . . . Battery
**BHSC** . . . . . Button Head Socket Cap
**BLK** . . . . . .Black

## C

**CB** . . . . . .Carriage Bolt
**CONN** . . . . . .Connector
**CRG** . . . . . Carriage
**CTSK** . . . . . .Countersunk
**CTWT** . . . . . Counterweight
**CVR** . . . . . Cover
**CYD** . . . . . Cylinder

## D

**DBL** . . . . . Double
**DIA** . . . . . .Diameter

## E

**ENCLSD** . . . . . .Enclosed

## F

**FHCS** . . . . . Flanged Head Cap Screw
**FHHCS** . . . . . .Flanged Hex Head Cap Screw
**FL** OR **FLG** . . . . . .Flange
**FLT** . . . . . Flat

## G

**GA** . . . . . .Gauge

## H

**HHCS** . . . . . Hex Head Cap Screw
**HCS** . . . . . .High Carbon Steel
**HD** . . . . . Head
**HLCL** . . . . . Helical
**HCSKT** . . . . . Hex Socket
**HSFC** . . . . . Hex Socket Flat Countersunk
**HYD** . . . . . Hydraulic

## I

**ID** . . . . . .Inside Diameter

## L

**LH** . . . . . .Lefthand
**LKG** OR **LOCK** . . . . . Locking
**LWR** . . . . . .Lower

## M

**MANF** . . . . . .Manifold
**MNT** . . . . . .Mount

## N

**NRW** . . . . . .Narrow
**NSS** . . . . . Not Serviced Separately

## O

**OD** . . . . . .Outside Diameter
**OHG** . . . . . Overhead Guard
**ORFS** OR **ORS** . . . . . .O-Ring Seal
**ORP** OR **ORB** . . . . . O-Ring Boss

## P

**P-STEER** . . . . . Power Steering
**PTFE** . . . . . Polytetrafluoroethylene (Teflon)

## R

**RH** . . . . . Righthand
**RND** . . . . . Round

## S

**SER** . . . . . Series
**SHCS** . . . . . Socket Head Cap Screw
**SHLD** . . . . . Shield
**SKT** . . . . . Socket
**SLFLKG** . . . . . Selflocking
**SOC** . . . . . Socket
**SPDT** . . . . . Single Pole Double Throw
**SPR** . . . . . Spring
**SQ** . . . . . Square
**SRTD** . . . . . Serrated
**SSCR** . . . . . Setscrew
**SST** . . . . . Stainless Steel
**STD** . . . . . Standard

## U

**UPR** . . . . . Upper

## W

**WHL** . . . . . Wheel
**WLD** OR **WLDMT** . . . . . Weldment

# Chapter 11

TABLE OF CONTENTS

# Index

## Numerics


1/2-20X1HHCS . . . . . *2-20*

1-007-010025 . . . . . *2-13*

100809 . . . . . *2-6*, *2-10*, *4-2*

100824 . . . . . *2-17*

100827 . . . . . *4-8*, *4-12*

100856 . . . . . *9-7*

101552 . . . . . *4-4*

101988 . . . . . *2-2*, *2-4*, *2-8*

102-0031 . . . . . *9-10*, *9-12*, *9-14*, *9-16*

102-0114 . . . . . *4-4*

102600 . . . . . *2-2*, *2-4*, *2-8*, *2-28*

103841 . . . . . *4-8*

104031 . *2-24*, *2-44*, *3-4*, *3-6*, *3-10*, *3-14*, *3-20*, *3-25*, *3-28*, *3-31*, *3-37*, *3-43*, *3-49*, *4-8*, *4-12*, *9-16*

104358 . . . . . *2-6*, *2-10*, *2-13*, *2-17*

104877 . . . . . *5-18*

105909 *1-10*, *1-12*, *3-46*, *3-48*, *3-71*, *3-72*, *3-74*, *3-76*, *5-9*, *5-12*, *5-14*, *5-16*, *5-20*, *5-22*

107-0975 . . *1-10*, *1-12*, *3-46*, *3-48*, *3-58*, *3-60*, *3-62*, *3-64*, *3-74*, *3-76*, *5-10*, *5-20*, *5-22*

107470 . . . . . *1-2*, *1-4*, *1-6*, *1-8*, *5-10*

1-076-010007 . . . . . *2-20*, *2-28*

1-076-010008 . . . . . *2-20*

1-076-010010 . . . . . *2-20*, *2-28*

1-076-010011 . . . . . *2-20*

108213 . . . . . *5-18*

108417 *2-6*, *2-10*, *2-17*, *2-32*, *2-34*, *2-36*, *2-38*, *3-49*, *4-2*, *5-18*

1-102-010050 . . . . . *9-7*

1-104-010001 . . . . . *2-24*, *2-40*, *2-42*, *2-46*

110993 . . . . . *5-9*

111-0600 . . . . . *4-4*

111-1267 . . . . . *5-20*, *5-22*

111789 . . . . . *2-47*, *9-17*

113805 . . . . . *2-47*

114462 . . . . . *2-17*, *9-7*

116038 . . . . . *9-8*

116254 . . . . . *9-7*

116337 . . . . . *9-8*

116350 . . . . . *9-10*, *9-12*, *9-14*, *9-16*

116390 . . . . . *9-8*

116446 . . . . . *9-8*

116447 . . . . . *9-8*

116716 . . . . . *4-12*

117186 . . . . . *9-16*

117823 . . . . . *2-20*

119097 . . . . . *2-20*

119098 . . . . . *2-20*

119099 . . . . . *2-20*

119118 . . . . . *2-24*, *2-40*, *2-42*, *2-46*

119180 . . . . . *2-20*

119181 . . . . . *2-20*

119182 . . . . . *2-20*

119183 . . . . . *2-20*

119184 . . . . . *2-20*

119185 . . . . . *2-20*

119716 *1-10*, *1-12*, *3-46*, *3-48*, *3-74*, *3-76*, *5-20*, *5-22*

122825 . . . . . *1-10*, *1-12*, *3-46*, *3-48*

122827 . . . . . *5-20*, *5-22*

122836 . . . . . *3-46*, *3-48*

122837 . . . . . *3-46*, *3-48*

122853 . . . . . *3-40*, *3-76*

122871 *1-10*, *1-12*, *3-25*, *3-31*, *3-38*, *3-43*, *3-46*, *3-48*, *3-74*, *3-76*, *5-20*, *5-22*

124971 *3-4*, *3-10*, *3-14*, *3-20*, *3-25*, *3-31*, *3-37*, *3-43*, *3-74*, *3-76*

125611 . . . . . *9-8*

125612 . . . . . *9-8*

125613 . . . . . *9-8*

125614 . . . . . *9-8*

125615 . . . . . *9-8*

125616 . . . . . *9-8*
125617 . . . . . *9-8*
125720 . . . . . *2-24*, *2-44*
125777 . . . . . *5-20*, *5-22*
125784 . . . . . *2-24*, *2-44*
125796 . . . . . *2-24*, *2-40*, *2-42*, *2-44*
125799 . . . . . *1-13*, *3-46*, *3-48*
125935 . . . . . *9-7*
126561 . *3-4*, *3-7*, *3-10*, *3-14*, *3-20*, *3-25*, *3-28*, *3-31*, *3-37*, *3-43*, *3-49*, *3-51*, *3-54*, *3-58*, *3-60*, *3-62*, *3-64*, *3-74*, *3-76*, *5-9*, *5-20*, *5-22*, *8-2*, *8-4*
129683 . . . . . *2-24*, *2-44*
1-297-010009-02 . . . . . *4-4*
1-298-010001-1 . . . . . *2-17*, *2-20*, *9-7*
130333 . . . . . *9-14*
130342 . . . . . *9-10*, *9-12*
130411 . . . . . *3-54*
130947 . . . . . *9-10*
1-323-010008 . . . . . *4-5*
132554 . . . . . *5-18*
133457 . . . . . *9-7*
1-343-010001 . . . . . *4-4*
139692 . *3-4*, *3-10*, *3-14*, *3-20*, *3-25*, *3-31*, *3-37*, *3-43*
139974 . . . . . *4-4*
1401756 *3-4*, *3-10*, *3-14*, *3-20*, *3-25*, *3-31*, *3-37*, *3-43*
140519 . . . . . *2-2*, *2-4*, *2-8*
140547 . . . . . *2-25*, *2-40*, *2-42*, *2-46*
140548 . . . . . *2-2*, *2-4*, *2-8*
140554 . . . . . *2-28*
140594 . . . . . *2-28*
140595 . . . . . *2-28*
140599 . . . . . *2-24*, *2-44*, *2-46*
140646 . . . . . *2-28*
140647 . . . . . *2-6*, *2-10*, *2-17*, *2-30*
1408291 . . . . . *3-49*
141198 . . . . . *2-28*
141228 . . . . . *9-4*
141236 . . . . . *2-28*
141238 . . . . . *2-28*, *5-20*, *5-22*
141244 . . . . . *2-32*, *2-34*, *2-36*, *2-38*
141250 . . . . . *2-30*
141260 . . . . . *7-5*
141263 . . . . . *2-17*
141434 . . . . . *2-6*, *2-10*, *2-17*
141597 . . . . . *7-5*, *9-7*, *9-10*, *9-12*, *9-14*, *9-16*
141809 . . . . . *2-2*, *2-4*, *2-8*
141827 . . . . . *9-10*, *9-12*, *9-14*, *9-16*
141828 . *2-6*, *2-10*, *2-13*, *2-18*, *2-21*, *9-4*, *9-10*, *9-12*, *9-14*, *9-16*
141867 . . . . . *2-28*
142189 . . . . . *2-30*
142194 . . . . . *2-30*
142650 . . . . . *2-24*, *2-40*, *2-42*, *2-46*
142668 . . . . . *9-4*
142669 . . . . . *9-4*
142671 . . . . . *9-4*
142779 . . . . . *4-16*
143067 . . . . . *2-28*
143871 . . . . . *9-4*
143880 . . . . . *4-8*, *4-12*
143898 . . . . . *4-8*, *4-12*
143901 . . . . . *3-71*, *3-72*
143904 . . . . . *4-8*, *4-12*
143906 . . . . . *4-9*
143910 . . . . . *4-8*, *4-12*
143911 . . . . . *3-49*
143912 . . . . . *3-49*
143915 . . . . . *4-8*
143920 . . . . . *4-8*, *4-9*
143924 . . . . . *4-8*
143931 . . . . . *3-4*, *3-20*
143932 . . . . . *3-4*, *3-20*, *3-25*, *3-43*
143937 . . . . . *4-8*, *4-12*
143956 . . . . . *3-68*, *5-20*, *5-22*
143962 . . . . . *4-8*
143963 . . . . . *4-8*

143966 . . . . . *4-8*, *4-12*
143971 . . . . . *4-8*, *4-12*
143992 . . . . . *3-68*, *3-70*, *5-20*, *5-22*
143994 . . . . . *2-47*
144060 *1-10*, *1-12*, *2-24*, *2-44*, *3-46*, *3-48*, *3-74*, *3-76*, *5-9*, *5-20*, *5-22*
144077 . . . . . *1-2*, *1-4*, *1-8*, *1-10*
144078 . . . . . *1-4*, *1-6*, *1-8*, *1-12*
144082 . . . . . *1-10*, *1-12*, *3-46*, *3-48*, *5-20*, *5-22*
144083 . . . . . *1-10*, *1-12*, *3-46*, *3-48*
144086 *1-10*, *1-12*, *3-46*, *3-48*, *3-74*, *3-76*, *5-9*, *5-20*, *5-22*
144087 . . . . . *1-10*, *1-12*, *3-46*, *3-48*
144094 . . . . . *3-49*
144095 . . . . . *3-49*
144096 . . . . . *3-49*
144099 . . . . . *1-10*, *1-12*
144105 . . . . . *3-25*, *3-31*, *3-37*, *3-43*
144106 . . . . . *3-49*
144107 . . . . . *3-49*
144118 . . . . . *3-25*, *3-31*, *3-37*, *3-43*
144119 . . . . . *3-25*, *3-38*, *3-43*
144122 . . . . . *3-25*, *3-38*, *3-43*
144123 . . . . . *3-25*, *3-31*, *3-37*, *3-43*
144124 . . . . . *3-25*, *3-31*, *3-37*, *3-43*
144125 *3-4*, *3-10*, *3-14*, *3-20*, *3-25*, *3-31*, *3-37*, *3-43*
144126 *3-4*, *3-10*, *3-14*, *3-20*, *3-25*, *3-31*, *3-37*, *3-43*
144127 *3-4*, *3-10*, *3-14*, *3-20*, *3-25*, *3-31*, *3-37*, *3-43*
144129 . *3-2*, *3-6*, *3-12*, *3-16*, *3-22*, *3-28*, *3-34*, *3-40*, *8-2*
144133 . . . . . *3-25*, *3-43*, *3-51*
144134 . . . . . *3-51*
144135 . . . . . *3-51*
144137 . . . . . *3-51*
144141 *3-4*, *3-10*, *3-14*, *3-20*, *3-25*, *3-31*, *3-37*, *3-43*
144143 . . . . . *3-25*, *3-43*, *3-74*
144144 . . . . . *3-58*, *3-60*, *3-62*, *3-64*, *3-74*, *3-76*
144146 . . . . . *3-25*, *3-31*, *3-37*, *3-43*
144147 . . . . . *3-71*, *3-72*
144150 . . . . . *3-74*, *3-76*
144158 . *3-4*, *3-10*, *3-14*, *3-20*, *3-25*, *3-31*, *3-37*, *3-43*
144159 . *3-4*, *3-10*, *3-14*, *3-20*, *3-25*, *3-31*, *3-37*, *3-43*
144179 . . . . . *2-32*, *3-6*
144180 . . . . . *3-16*
144181 . . . . . *3-2*, *3-12*, *3-16*, *3-22*, *3-40*
144183 . *1-10*, *1-12*, *2-24*, *2-44*, *3-2*, *3-6*, *3-12*, *3-17*, *3-22*, *3-25*, *3-28*, *3-31*, *3-34*, *3-38*, *3-40*, *3-43*
144193 . . . . . *2-6*, *2-10*, *2-18*, *7-5*
144222 . . . . . *3-34*
144237 . . . . . *4-2*, *4-8*
144251 . . . . . *2-24*, *2-40*, *2-42*, *2-46*
144252 . . . . . *2-24*, *2-40*, *2-42*, *2-46*
144256 . . . . . *3-76*
144258 . . . . . *1-2*, *1-8*
144259 . . . . . *1-2*, *1-4*, *1-6*, *1-8*
144260 . . . . . *1-2*, *1-4*, *1-6*, *1-8*
144264 . . . . . *3-74*, *3-76*, *4-8*, *4-9*, *4-12*
144266 . . . . . *4-8*, *4-12*
144268 *3-4*, *3-10*, *3-14*, *3-20*, *3-25*, *3-31*, *3-37*, *3-43*, *3-51*, *3-54*, *3-58*, *3-60*, *3-62*, *3-64*, *3-74*, *3-76*, *8-2*, *8-4*
144271 . . . . . *4-9*, *4-13*
144272 . . . . . *4-9*, *4-13*
144275 . . . . . *4-8*
144313 . . . . . *4-9*
144314 . . . . . *4-9*
144316 . . . . . *4-2*, *4-8*
144317 . . . . . *4-2*, *4-8*
144320 . . . . . *9-7*, *9-10*, *9-12*, *9-14*, *9-16*, *9-17*
144321 . . . . . *2-2*, *2-4*, *2-8*, *2-13*, *2-17*, *2-21*, *2-47*
144324 . . . . . *4-8*
144328 . . . . . *4-8*
144331 . . . . . *4-8*
144332 . . . . . *4-8*
144335 . . . . . *4-8*, *4-12*
144336 . . . . . *4-8*, *4-12*
144337 . . . . . *4-8*, *4-12*
144338 . . . . . *3-22*, *3-28*, *3-34*, *3-40*

144348 . . . . . 4-8
144349 . . . . . 4-8
144351 . . . . . 7-5
144355 . . . . . 9-7
145130 . . . . . 2-6, 2-13, 9-4
147072 . . . . . 4-12
147123 . . . . . 2-13
147375 . . . . . 2-47
147376 . . . . . 2-47
147553 . . . . . 2-2, 2-4, 2-8, 2-28
149193 . . . . . 2-17
150076 . . . . . 3-6, 3-12, 3-16, 3-22, 3-28, 3-34, 3-40
1-510-010001 . . . . . 5-10, 5-20, 5-22
1-510-010003-05 . . . . . 2-17
1-510-010003-09 1-2, 1-4, 1-6, 1-8, 2-24, 2-40, 2-42, 2-44, 3-2, 3-6, 3-12, 3-16, 3-22, 3-28, 3-34, 3-40, 4-8, 4-9, 4-12, 4-16, 5-20, 5-22, 9-2
1-511-010002-08 . . . . . 4-8
1-512-010003-03 . . . . . 3-49, 4-4, 8-4
1-512-010003-05 . . . . . 5-18
1-512-010003-06 . . . . . 4-4, 8-4
1-512-010005-01 2-40, 2-42, 2-46, 3-2, 3-4, 3-6, 3-10, 3-12, 3-14, 3-16, 3-20, 3-22, 3-25, 3-28, 3-31, 3-34, 3-37, 3-40, 3-43, 3-54, 3-74, 3-76, 4-4, 4-12, 5-9, 6-4, 6-6, 6-8
1-512-010005-03 1-2, 1-4, 1-6, 1-8, 1-10, 1-12, 2-24, 2-44, 3-46, 3-48, 3-71, 3-72, 3-74, 3-76, 4-8, 4-12, 5-9, 5-12, 5-14, 5-16, 5-20, 5-22, 9-4, 9-8
1-512-010005-05 2-13, 2-18, 2-24, 2-40, 2-42, 2-44, 2-46, 3-4, 3-10, 3-14, 3-20, 3-26, 3-32, 3-38, 3-44, 3-51, 4-2, 5-12, 5-14, 5-16, 9-4, 9-10, 9-12, 9-14, 9-16
1-512-010005-09 1-2, 1-4, 1-6, 1-8, 1-10, 1-12, 1-13, 2-6, 2-10, 2-13, 2-17, 3-2, 3-6, 3-12, 3-17, 3-22, 3-28, 3-34, 3-40, 3-46, 3-48, 4-12, 5-12, 5-14, 5-16, 5-20, 5-22, 9-2, 9-7, 9-10, 9-12, 9-14, 9-16
1-512-010005-13 . 1-2, 1-4, 1-6, 1-8, 1-10, 1-12, 2-2, 2-4, 2-8, 2-17, 2-24, 2-32, 2-34, 2-36, 2-38, 2-44, 2-46, 3-22, 3-28, 3-34, 3-40, 3-46, 3-48, 3-74, 3-76, 4-9, 4-13, 5-9, 5-20, 5-22, 9-4, 9-7, 9-16
1-512-010005-15 2-2, 2-4, 2-6, 2-8, 2-10, 2-17, 2-20, 2-32, 2-34, 2-36, 2-38, 4-2, 4-9, 9-2, 9-4
1-512-010005-19 . . . . . 2-6, 2-10, 2-17
1-512-010007-03 . . . . . 5-18
1-512-010007-06 . . . . . 9-16
1-512-010007-09 . . . . . 9-7
1-512-010007-12 . . . . . 3-58, 3-60, 3-62, 3-64
1-512-010007-14 . . . . . 5-12, 5-14, 5-16
151512 . . . . . 1-2, 1-4, 1-6, 1-8
151513 . . . . . 1-2, 1-4, 1-6, 1-8, 5-10
151530 . . . . . 4-9
151539 . . . . . 7-5
151540 . 3-2, 3-6, 3-12, 3-16, 3-22, 3-28, 3-34, 3-40
151543 . . . . . 4-8, 4-12
151547 3-4, 3-10, 3-14, 3-20, 3-25, 3-31, 3-37, 3-43
151576 . . . . . 3-50
151578 . . . . . 3-4, 3-20, 3-25, 3-43
151580 . . . . . 3-4, 3-20, 3-25, 3-43
151582 . . . . . 3-25, 3-31, 3-37, 3-43
151586 . . . . . 3-25, 3-31, 3-34, 3-43
151587 . . . . . 1-10, 1-12
151588 . . . . . 1-10, 1-12, 3-46, 3-48, 3-74, 3-76
151590 . . . . . 4-2, 4-5
151591 . . . . . 4-2
151592 . . . . . 4-2
151595 . . . . . 4-5
151596 . . . . . 3-46, 3-48
1-516-010001-20 . . . . . 2-28
151604 . . . . . 4-5
151610 . . . . . 4-5
151714 . . . . . 9-16
151729 . . . . . 9-16
153696 . . . . . 2-6, 2-10, 2-17
153811 . . . . . 1-2, 1-4, 1-6, 1-8
153817 . . . . . 2-24, 2-40, 2-42
153841 . . . . . 2-13
153852 . . . . . 3-25, 3-43, 3-49
153853 . . . . . 3-25, 3-49
153862 . . . . . 8-4
153863 . . . . . 8-4
153868 . . . . . 3-14

153869 ..... *3-14*, *3-37*
153871 ..... *3-14*, *3-37*
153887 ..... *9-7*
153900 ..... *1-6*
154095 ..... *9-17*
154096 ..... *9-17*
154097 ..... *9-17*
154098 ..... *9-17*
154102 ..... *2-47*
154104 ..... *2-47*
154105 ..... *9-17*
154826 ..... *3-12*, *3-62*
154827 ..... *3-12*, *3-34*
154828 ..... *3-37*, *3-49*
154829 ..... *3-37*, *3-49*
154830 ..... *3-50*
154831 ..... *3-50*
154836 ..... *3-37*, *3-76*
154837 ..... *3-34*
154838 ..... *3-37*
154839 ..... *3-37*
154841 *3-4*, *3-10*, *3-14*, *3-20*, *3-25*, *3-31*, *3-37*, *3-43*
154842 ..... *3-14*, *3-37*
154845 ..... *1-13*
154846 ..... *1-13*
154849 ..... *1-2*, *1-4*, *1-6*, *1-8*, *1-13*
154851 ..... *4-4*
154852 ..... *4-4*
154864 ..... *2-32*, *2-34*, *2-36*, *2-38*, *4-2*, *4-5*
154869 ..... *3-16*, *3-40*, *3-76*
154871 ..... *3-51*
154872 ..... *3-37*, *3-51*
155528 ..... *2-6*, *2-10*, *2-13*, *2-18*
155529 ..... *2-18*, *2-21*
155530 ..... *9-4*, *9-10*, *9-12*, *9-14*, *9-16*
1-557-010327 ..... *1-10*, *1-12*, *3-46*, *3-48*
1-557-010362-40 ..... *2-20*
1-557-010362-51 ..... *2-28*
1-557-010362-54 ..... *2-24*, *2-40*, *2-42*, *2-46*
1-557-010362-59 ..... *4-8*, *4-12*
1-557-010403 ..... *2-6*, *2-10*, *2-13*, *2-17*
155833 ..... *9-16*
155840 *1-2*, *1-4*, *1-6*, *1-8*, *3-4*, *3-10*, *3-14*, *3-20*, *3-25*, *3-31*, *3-37*, *3-43*
155868 ..... *9-17*
155871 ..... *5-12*, *5-14*, *5-16*
155873 ..... *5-12*, *5-14*, *5-16*
155874 ..... *5-18*
155876 ..... *1-2*
155877 ..... *1-4*
155878 ..... *1-6*
155879 ..... *1-8*
155881 ..... *2-2*, *2-4*, *2-8*, *2-32*, *2-34*, *2-36*, *2-38*
155883 ..... *2-2*
155884 ..... *2-4*
155885 ..... *2-8*
1-560-010002-02 ..... *4-2*
156010 ..... *7-5*
157020 ..... *2-20*
1-573-010006 ..... *7-5*
158109 ..... *2-20*
158112 ..... *2-20*
158114 ..... *2-20*
158120 ..... *2-18*, *2-20*
158122 ..... *2-18*, *2-20*
158127 ..... *2-17*
158132 ..... *2-17*
158138 ..... *2-4*
158139 ..... *2-4*
158147 ..... *2-24*
158150 ..... *2-24*
158151 ..... *2-24*, *2-44*
158152 ..... *2-24*, *2-44*, *2-46*
158153 ..... *2-24*, *2-40*
158154 ..... *2-24*, *2-40*, *2-42*
158162 ..... *2-24*, *2-44*, *2-46*

158168 ..... 2-24, 2-44
158169 ..... 2-24, 2-44
158175 ..... 2-2, 2-4, 2-8, 2-18, 2-24
158270 ..... 4-2
158271 ..... 4-2
158272 ..... 4-2
158273 ..... 4-2
158274 ..... 4-2
158275 ..... 4-2
158276 ..... 4-2
158277 ..... 4-2
158278 ..... 2-24, 2-40, 2-42
158279 ..... 2-17
158283 ..... 2-17
158284 ..... 2-17
158285 ..... 2-6, 2-10, 2-17, 4-2, 4-5
158286 ..... 2-17
158290 ..... 2-17
158293 ..... 2-17
158294 ..... 2-18, 2-21
158295 ..... 2-10, 2-13, 2-18, 9-4
158296 ..... 2-20
158299 ..... 2-2, 2-4, 2-8, 2-13
158300 ..... 2-2, 2-4, 2-8
158301 ..... 2-18, 2-20
158305 ..... 5-10, 5-20, 5-22
158309 ..... 3-74, 3-76, 5-9, 5-20
158310 ..... 3-74, 3-76, 5-9, 5-22
159018 ..... 3-74, 3-76
159041 ..... 5-12, 5-14, 5-16
159046 ..... 1-2, 1-8
159047 ..... 1-6
159055 3-6, 3-12, 3-16, 3-28, 3-34, 3-40, 3-74, 3-76, 5-9
159057 ..... 6-4, 6-6, 6-8
159062 ..... 9-7
159067 ..... 9-7
159068 ..... 9-7
159069 ..... 9-7
159070 ..... 9-7
159072 ..... 9-7
159073 ..... 9-7
159074 ..... 9-7
159075 ..... 9-7
159084 ..... 9-7, 9-12, 9-14
159085 ..... 9-7, 9-12, 9-14
159086 ..... 9-10, 9-12, 9-14, 9-16
159087 ..... 9-14
159094 ..... 3-10, 3-31
159095 ..... 3-10, 3-31
159101 ..... 3-10
159102 ..... 3-10, 3-31
159880 ..... 3-50
159881 ..... 3-50
159882 ..... 3-31
159883 ..... 3-31, 3-49
159884 ..... 3-31, 3-49
159885 ..... 2-6, 2-10, 2-13, 2-17
159890 ..... 2-8
159891 ..... 2-8
159893 ..... 2-17
159894 ..... 2-17
159897 ..... 3-31, 3-74
159898 ..... 3-31
159899 ..... 3-31
159914 ..... 3-51
159915 ..... 3-31, 3-51
159917 ..... 1-4
159919 ..... 9-12
159941 ..... 1-4
159942 ..... 3-74, 3-76
159952 ..... 3-37
159953 ..... 3-25, 3-43
159983 ..... 2-36, 2-40
159984 ..... 2-36, 2-40
159990 ..... 2-32

160406 . . . . . 4-4
160813 . . . . . 2-40, 2-46
161459 . . . . . 9-12
161460 . . . . . 3-68
161462 . . . . . 3-6, 3-12, 3-28, 3-34, 5-9
161471 . . . . . 3-68
161472 . . . . . 2-32, 2-34, 2-40
161473 . . . . . 2-32, 2-34, 2-46
161474 3-4, 3-10, 3-14, 3-20, 3-25, 3-31, 3-37, 3-43
161475 3-4, 3-10, 3-14, 3-20, 3-25, 3-31, 3-37, 3-43
161476 3-4, 3-10, 3-14, 3-20, 3-25, 3-31, 3-37, 3-43
161477 3-4, 3-10, 3-14, 3-20, 3-25, 3-31, 3-37, 3-43
161482 . . . . . 9-16
161483 . . . . . 2-32, 2-34, 2-36, 2-38
161485 . . . . . 9-16
161487 . . . . . 9-7, 9-16
161488 . . . . . 9-7, 9-16
161490 . . . . . 9-7
161493 . . . . . 9-12, 9-14, 9-16
161494 . . . . . 9-14
161495 . . . . . 9-14
161496 . . . . . 1-2, 1-4, 1-6, 1-8, 9-2
161500 . . . . . 1-2, 1-4, 1-6, 1-8
161502 . . . . . 9-12
161505 . . . . . 9-7
161515 . . . . . 7-5
161550 . . . . . 2-6, 2-10, 2-17, 2-29
162191 . . . . . 9-4
162551 . . . . . 3-54
162887 . . . . . 9-4
163981 . . . . . 1-10, 1-12, 3-74, 3-76, 5-20, 5-22
164148 . . . . . 9-7
164149 . . . . . 9-7
164194 . . . . . 2-40, 2-46
164195 . . . . . 2-40
164196 . . . . . 2-46
164310 . . . . . 2-34, 2-36, 2-38
164311 . . . . . 2-34, 2-36, 2-38
164312 . . . . . 2-34, 2-36, 2-38
164346 . . . . . 9-7, 9-14
164347 . . . . . 9-7, 9-14
1-647-010004217 1-10, 1-12, 2-24, 2-40, 2-42, 2-44, 2-46, 3-25, 3-31, 3-34, 3-43, 3-46, 3-48, 3-74, 3-76, 5-20, 5-22
1-647-010004221 . . . . . 9-7
1-647-010004236 . . . . . 5-10, 5-20, 5-22
1-647-010004240 . 2-2, 2-4, 2-8, 2-13, 2-18, 9-4, 9-7
1-647-010004257 . . . . . 2-20, 2-32, 2-40, 2-46
1-654-010047-03 . . . . . 3-49
1-654-010047-04 . . . 3-4, 3-6, 3-10, 3-12, 3-14, 3-16, 3-20, 3-22, 3-25, 3-28, 3-31, 3-34, 3-37, 3-40, 3-43, 5-9
1-654-010047-06 . . 3-6, 3-12, 3-16, 3-22, 3-28, 3-34, 3-40, 4-16, 6-8
1-654-010047-07 . . . . . 5-9, 6-4, 6-6, 6-8
1-654-010047-08 . . . . . 3-54, 4-4, 6-4, 6-6, 6-8
1-654-010047-09 . 2-40, 2-42, 2-46, 3-74, 3-76, 5-10
1-654-010047-10 . . . . . 3-12, 3-34, 3-40, 3-76
1-654-010047-12 . . 2-6, 2-10, 2-17, 2-32, 2-34, 2-36, 2-38, 4-2
1-654-010047-16 . . . . . 4-12
1-654-010049-05 . . . . . 9-4, 9-8
1-654-010051-05 . . 4-2, 5-10, 5-20, 5-22, 9-10, 9-12, 9-14, 9-16
1-654-010051-07 . . . . . 2-24, 2-44, 2-46
1-654-010051-08 . . . . . 2-13, 2-18
1-654-010051-10 . . . . . 9-10, 9-12, 9-14, 9-16
1-654-010051-11 . . . . . 2-13, 2-18
1-654-010051-12 . . . . . 9-4
1-654-010051-14 . . . . . 2-24, 2-40, 2-42
1-654-010055-01 . . . . . 4-8, 9-7
1-654-010055-02 1-2, 1-4, 1-6, 1-8, 2-24, 2-40, 2-42, 2-46, 3-4, 3-10, 3-14, 3-20, 3-25, 3-31, 3-37, 3-43
1-654-010055-03 . . . . . 9-10, 9-12, 9-14, 9-16
1-654-010055-05 . . . . . 1-2, 1-4, 1-6, 1-8, 1-13, 9-2
1-654-010055-07 . . . 1-6, 1-8, 1-10, 1-12, 3-46, 3-48, 3-74, 9-2
1-654-010055-09 . 3-25, 3-31, 3-38, 3-43, 3-74, 3-76

1-654-010055-11 . *1-10*, *1-12*, *2-6*, *2-10*, *2-13*, *2-17*, *2-24*, *2-44*, *3-76*
1-654-010055-12 . . . . . *4-12*
1-654-010055-13 . . . *4-8*, *4-9*, *9-10*, *9-12*, *9-14*, *9-16*
1-654-010059-07 . . . . . *1-2*, *1-4*, *1-6*, *1-8*
1-654-010059-09 . . . . . *1-2*, *1-4*, *1-6*, *1-8*
1-654-010059-13 . . . . . *4-12*
1-654-010059-14 . . . . . *4-9*
1-654-010059-15 . . . . . *4-13*
1-654-010059-16 . . . . . *4-8*, *4-12*
1-654-010061-05 *2-2*, *2-4*, *2-8*, *2-32*, *2-34*, *2-36*, *2-38*, *4-8*, *4-12*
1-654-010061-06 . . . . . *9-2*
1-654-010061-09 . . . . . *2-4*, *9-2*, *9-4*
1-654-010061-23 . . . . . *9-4*
1-654-010065-08 . . . . . *2-6*, *2-10*, *2-17*
1-654-010065-15 . . . . . *2-17*
1-654-010070-02 . *1-2*, *1-4*, *1-6*, *1-8*, *2-24*, *2-44*, *4-8*, *4-12*, *4-16*, *9-2*
1-654-010070-05 . . *3-2*, *3-6*, *3-12*, *3-17*, *3-22*, *3-28*, *3-34*, *3-40*
1-654-010070-07 . . . . . *5-20*, *5-22*
1-654-010070-11 . . . . . *9-7*
1-654-010087-15 . . . . . *9-2*
1-654-010158-02 . . *3-2*, *3-6*, *3-12*, *3-16*, *3-22*, *3-28*, *3-34*, *3-40*, *5-9*
1-654-010160-07 . . . . . *3-51*
1-655-010001-3 . . *3-6*, *3-12*, *3-16*, *3-22*, *3-28*, *3-34*, *3-40*
1-655-010003-06 . . . . . *5-12*, *5-14*, *5-16*
1-656-010003026 . . . . . *3-49*
1-656-010003053 . . . . . *4-4*, *8-4*
165879 . . . . . *8-4*
166243 . . . . . *7-5*
168767 . . . . . *9-4*
168768 . . . . . *9-4*
168771 . . . . . *9-4*
168773 . . . . . *9-4*
168841 . . . . . *2-24*, *2-40*, *2-42*, *2-46*
168844 . . . . . *3-58*, *3-60*, *3-62*, *3-64*
168856 . . . . . *3-71*, *3-72*
168857 . . . . . *3-71*, *3-72*
168858 . . . . . *3-58*, *3-64*
168866 . . . . . *3-65*
168867 . . . . . *3-65*
168868 . . . . . *3-58*, *3-60*, *3-62*, *3-64*
168869 . . . . . *3-58*, *3-60*, *3-62*, *3-64*
168870 . . . . . *3-58*, *3-60*, *3-62*, *3-64*
168871 . . . . . *3-65*
168872 . . . . . *3-65*
168873 . . . . . *3-65*
168882 . . . . . *9-12*, *9-14*, *9-16*
168885 . . . . . *3-62*
168886 . . . . . *3-58*
168887 . . . . . *3-58*, *3-64*
168888 . . . . . *3-60*
168889 . . . . . *3-60*
168902 . . . . . *3-74*, *3-76*
168903 *3-4*, *3-10*, *3-14*, *3-20*, *3-25*, *3-31*, *3-37*, *3-43*
168906 . . . . . *5-20*, *5-22*
170948 . . . . . *8-4*
172644 . . . . . *1-10*, *1-12*
172647 . . . . . *3-46*, *3-48*
172648 . . . . . *3-46*, *3-48*
172649 . . . . . *3-46*, *3-48*
172652 . . . . . *2-25*, *2-44*
172653 . . . . . *2-25*, *2-44*
172656 . . . . . *5-18*
172700 . . . . . *3-31*, *3-58*, *3-60*, *3-62*
172701 . . . . . *3-58*, *3-60*, *3-64*
172703 *3-4*, *3-10*, *3-14*, *3-20*, *3-25*, *3-31*, *3-37*, *3-43*
172704 . . . . . *3-71*, *3-72*
172705 . . . . . *3-58*, *3-62*, *3-64*
172706 . . . . . *3-58*, *3-60*, *3-62*, *3-64*, *3-65*
172707 . . . . . *3-68*
172708 . . . . . *3-68*
172711 . . . . . *3-64*, *3-71*
172712 . . . . . *3-58*, *3-60*, *3-62*, *3-64*, *3-72*

172713 ..... *3-58*, *3-60*, *3-62*, *3-64*
172730 ..... *3-65*
172731 ..... *7-5*
172734 ..... *3-4*, *3-26*, *3-58*
172735 ..... *3-58*, *3-60*, *3-62*, *3-64*
172737 ..... *3-2*, *3-4*
172740 ..... *3-26*
172741 ..... *3-4*, *3-58*
174311 ..... *3-12*, *3-62*
174362 ..... *3-2*, *3-4*
174397 ..... *3-22*, *3-28*, *3-34*, *3-40*, *7-5*
174398 ..... *3-58*, *3-60*, *3-62*, *3-64*
174399 ..... *8-2*
174400 ..... *8-2*
174407 ..... *3-28*, *3-34*, *3-40*, *3-46*
174408 ..... *3-22*, *3-40*, *3-48*
174410 ..... *5-9*
174411 ..... *5-10*
174412 ..... *5-9*, *7-5*
174414 ..... *8-2*
174419 ..... *8-2*
174420 ..... *8-2*
174425 ..... *3-22*, *3-25*
174427 ..... *3-22*, *3-25*
174434 ..... *8-2*
174435 ..... *6-4*, *6-6*, *6-8*
174436 ..... *6-4*, *6-6*, *6-8*
174437 ..... *6-4*, *6-6*, *6-8*
174441 ..... *2-6*, *2-10*, *2-18*, *6-4*, *6-6*
174443 ..... *6-8*
174444 ..... *6-4*, *6-8*
174445 ..... *6-6*, *6-8*
174446 ..... *6-6*, *6-8*
174449 ..... *2-42*
174455 ..... *6-4*, *6-6*, *6-8*
174456 ..... *6-4*, *6-6*, *6-8*
174482 ..... *3-20*, *3-64*
174483 ..... *3-20*, *3-64*
174486 ..... *3-60*
174487 ..... *3-60*
174491 ..... *3-64*
174492 ..... *3-20*, *3-44*, *3-64*
174493 ..... *3-20*, *3-44*, *3-64*
174498 ..... *3-12*, *3-14*
174499 ..... *3-12*, *3-14*
174500 ..... *3-34*, *3-37*
174501 ..... *3-34*, *3-37*
174502 ..... *3-16*, *3-20*
174503 ..... *3-16*, *3-20*
176480 ..... *3-16*, *3-20*
176481 ..... *3-16*, *3-20*
176484 ..... *2-17*
176485 ..... *2-17*
176488 ..... *8-2*
176489 ..... *8-2*
176490 ..... *7-5*
176509 ..... *2-32*
176510 ..... *2-34*
176511 ..... *2-36*
176524 ..... *2-17*
176525 ..... *2-17*
176528 ..... *2-17*
176529 ..... *2-17*
176532 ..... *3-2*
176533 ..... *3-22*
176535 ..... *3-2*
176536 ..... *3-22*
176537 ..... *3-6*
176538 ..... *3-28*
176540 ..... *3-6*
176541 ..... *3-28*
176542 ..... *3-12*
176543 ..... *3-34*
176545 ..... *3-12*
176546 ..... *3-34*
176547 ..... *3-16*

176548 . . . . . 3-40
176550 . . . . . 3-16
176552 . . . . . 5-12, 5-14, 5-16
176553 . . . . . 5-10
176554 . . . . . 5-14, 5-16
176555 . . . . . 5-12, 5-14, 5-16
176556 . . . . . 5-14
176557 . . . . . 5-12, 5-16
176560 . . . . . 3-22, 3-28, 3-34, 3-40
176565 . . . . . 5-9
176566 . . . . . 8-2
176567 . . . . . 5-20
176568 . . . . . 5-22
176569 . . . . . 5-9
176571 . . . . . 5-12, 5-14
176574 . . . . . 5-18
176575 . . . . . 5-18
176576 . . . . . 5-18
176577 . . . . . 5-18
176578 . . . . . 5-18
176583 . . . . . 5-12, 5-14, 5-18
176584 . . . . . 5-16, 5-18
176585 . . . . . 5-12, 5-14, 5-18
176590 . . . . . 5-9
176591 . . . . . 5-9
176594 . . . . . 5-23
176595 . . . . . 5-23
176596 . . . . . 5-23
176605 . . . . . 5-9, 5-20
176606 . . . . . 5-9, 5-22
176607 . . . . . 5-18
176608 . . . . . 5-9
176609 . . . . . 5-9
176610 . . . . . 5-9
176611 . . . . . 5-9
176614 . . . . . 5-10, 5-14
176615 . . . . . 5-10, 5-12
176616 . . . . . 5-10, 5-12
176617 . . . . . 5-9, 5-14
176619 . . . . . 5-10, 5-16
176620 . . . . . 5-9, 5-23
176627 . . . . . 1-10, 1-12, 5-20, 5-22
176657 . . . . . 8-2
176664 . . . . . 5-20, 5-22
176665 . . . . . 5-12, 5-14
176666 . . . . . 5-10
176667 . . . . . 5-16
176676 . . . . . 3-6, 3-12, 3-16, 3-22, 3-28, 3-34, 3-40
176766 . . . . . 2-6, 2-10, 4-2
177030 . . . . . 2-6, 2-10, 2-17, 2-29
179776 3-4, 3-10, 3-14, 3-20, 3-26, 3-32, 3-38, 3-44
179777 . . . . . 2-8
179778 . . . . . 2-10
179780 . . . . . 2-10
179782 . . . . . 3-40, 3-43
179783 . . . . . 3-40, 3-43
179786 . . . . . 2-6, 2-10, 4-2
179787 . . . . . 2-10
182421 . . . . . 9-4
182423 . . . . . 9-4
182424 . . . . . 9-4
1-833-010001 . . . . . 4-2
183921 . 3-2, 3-6, 3-12, 3-16, 3-22, 3-28, 3-34, 3-40, 3-55
183922 . . . . . 3-55, 3-56
183923 . . . . . 3-55, 3-56
183950 . . . . . 3-68
183951 . . . . . 3-68
183960 . . . . . 9-4
183961 . . . . . 9-16
183962 . . . . . 2-10
183963 . . . . . 2-8
1-861-010003 . . . . . 2-20
1-861-010032-03 . . . . . 4-4
1-861-010032-06 . . . . . 3-16
1-861-010032-07 . . . . . 3-54

1-861-010032-11 . *2-13*, *2-18*, *9-10*, *9-12*, *9-14*, *9-16*
1-861-010032-14 *1-10*, *1-12*, *2-17*, *2-24*, *2-40*, *2-42*, *2-44*, *3-4*, *3-10*, *3-14*, *3-20*, *3-25*, *3-31*, *3-37*, *3-43*, *3-46*, *3-48*, *3-51*, *3-74*, *3-76*, *4-8*, *5-20*, *5-22*
1-861-010032-15 . . . . . *1-13*
1-861-010032-19 . . . . . *1-2*, *1-4*, *1-6*, *1-8*
1-861-010032-20 . . . . . *4-8*, *4-12*, *9-2*
1-861-010032-21 . . . . . *9-2*
1-861-010032-22 . . . . . *3-25*, *3-43*
1-861-010032-24 . *2-6*, *2-10*, *2-17*, *2-24*, *2-40*, *2-42*, *2-46*, *9-7*
1-861-010032-32 . . . . . *2-17*
1-861-010034-07 . . . . . *5-18*
1-861-010034-10 . . . . . *9-16*
1-861-010034-11 . . . . . *9-10*, *9-12*, *9-14*, *9-16*
1-861-010034-13 . *2-20*, *2-24*, *2-40*, *2-42*, *2-46*, *4-8*, *9-7*
1-861-010034-17 . . . . . *9-2*, *9-4*
1-861-010034-21 . . . . . *3-71*, *3-72*
186296 . . . . . *5-12*, *5-14*, *5-18*
186298 . . . . . *5-18*
187481 . . . . . *5-9*, *5-14*
187482 . . . . . *5-10*, *5-12*
187484 . . . . . *5-9*
187491 . . . . . *4-2*, *4-4*
187518 . . . . . *4-2*, *4-4*, *6-4*, *6-6*, *6-8*
187519 . . . . . *4-4*
187520 . . . . . *4-4*
187521 . . . . . *4-4*
187522 . . . . . *4-4*
1-879-010011 . . . . . *4-4*
189428 . . . . . *3-74*, *3-76*
189429 . . . . . *3-74*, *3-76*
189430 . . . . . *3-76*
189431 . . . . . *3-76*
189432 . . . . . *3-74*, *3-76*
189440 . . . . . *2-6*
189441 . . . . . *2-6*
189449 . . . . . *2-6*
189453 . . . . . *2-29*
189454 . . . . . *2-29*
189457 . . . . . *2-6*
189458 . . . . . *2-2*
189459 . . . . . *2-2*
189460 . . . . . *2-4*
189461 . . . . . *2-4*
189462 . . . . . *9-12*
189464 . . . . . *9-10*, *9-12*
194674 . . . . . *4-4*
194675 . . . . . *4-4*
198281 . . . . . *3-76*
199328 . . . . . *3-12*, *3-14*
199329 . . . . . *3-34*, *3-37*
199330 . . . . . *3-14*, *3-38*, *3-62*
199339 . . . . . *9-4*
199340 . *3-2*, *3-6*, *3-12*, *3-16*, *3-22*, *3-28*, *3-34*, *3-40*, *3-55*
199341 . . . . . *3-6*, *3-16*, *3-28*, *3-40*, *3-55*
199342 . . . . . *3-55*, *3-56*
199343 . . . . . *3-55*
199379 . . . . . *9-10*
199380 . . . . . *9-7*, *9-10*
199381 . . . . . *9-7*, *9-10*
199382 . . . . . *9-7*
199383 . . . . . *9-7*
199384 . . . . . *9-7*
199385 . . . . . *9-7*
199396 . . . . . *4-4*
1C199 . . . . . *5-18*
1C213 . . . . . *5-18*
1D598 . . . . . *5-20*, *5-22*
1D617 . . . . . *5-12*, *5-14*, *5-16*
201792 . . . . . *3-74*
202702-8-8S . . . . . *2-13*, *9-4*
203014 . . . . . *3-54*
203063 . . . . . *4-4*
204384 . . . . . *2-2*, *2-4*, *2-8*, *2-25*, *2-40*, *2-42*, *2-46*

205140 . . . . . 7-5
205147 . . . . . 3-54, 7-5
205192 . . . . . 3-70
205237 . . . . . 3-58, 3-62, 3-64
2061-8-8S . . . . . 9-10, 9-12, 9-14, 9-16
2062-8-8S . . . . . 2-13, 2-21
207494 . . . . . 3-54
207495 . . . . . 3-54
207496 . . . . . 3-54
207497 . . . . . 3-54
207498 . . . . . 3-54
207499 . . . . . 3-54
208215 . . . . . 3-70
208216 . . . . . 3-10, 3-32, 3-60
208219 . . . . . 3-70
208220 . . . . . 3-60, 3-64, 3-70
208221 . . . . . 3-58, 3-62, 3-64, 3-70
208276 . . . . . 3-6, 3-10
208282 . . . . . 3-6, 3-10
208284 . . . . . 3-10, 3-32, 3-60
2-095-010017 . . . 1-2, 1-4, 1-6, 1-8, 2-17, 3-51, 5-10
2-102-010040 . . . . . 9-4
2-102-010056 . . . . . 2-20
2-102-010063 . . . . . 2-18
211045 . . . . . 2-6, 2-10, 2-18, 7-5
211091 . . . . . 4-12
212777 . . . . . 4-12
212778 . . . . . 4-12
212780 . . . . . 4-12
212789 . . . . . 4-12
212792 . . . . . 4-12
212793 . . . . . 4-12
212798 . . . . . 4-13
212799 . . . . . 4-12
213921 . . . . . 4-12
213932 . . . . . 3-6, 3-12, 3-16, 3-22, 3-28, 3-34, 3-40
213956 . . . . . 4-13
213957 . . . . . 4-13
213958 . . . . . 4-13
214802 . . . . . 2-20
214804 . . . . . 8-2
214805 . . . . . 4-12
214806 . . . . . 4-12
214837 . . . . . 3-4, 3-58
214838 . . . . . 3-58
214839 . . . . . 3-58
214889 . . . . . 3-28, 3-31
214892 . . . . . 3-28, 3-31
214896 . . . . . 8-2
214897 . . . . . 8-2
214898 . . . . . 8-2
214899 . . . . . 8-2
2-150-010008 . . 2-2, 2-4, 2-8, 2-17, 2-24, 2-44, 2-46
2-150-010227 . . . . . 2-2, 2-4, 2-8, 2-13
215948 . . . . . 3-2, 3-4
216429 . . . . . 3-2, 3-6, 3-12, 3-16, 3-56
216430 . . . . . 3-2, 3-6, 3-12, 3-16, 3-56
216431 . . . . . 3-6, 3-16, 3-56
216433 . . . . . 3-56
216435 . . . . . 3-55, 3-56
216436 . . . . . 3-56
216472 . . . . . 9-2
216473 . . . . . 9-2
216475 . . . . . 9-2
216478 . . . . . 9-2
216479 . . . . . 9-2
216482 . . . . . 9-2
216484 . . . . . 9-2
216486 . . . . . 9-2
2-181-010001 . . . 2-13, 2-18, 9-10, 9-12, 9-14, 9-16
218426 . . . . . 3-14, 3-37, 3-62
218427 . . . . . 3-14, 3-37, 3-62
218428 . . . . . 3-62
218442 . . . . . 8-4
218492 . . . . . 5-10
218493 . . . . . 5-10

220176 . . . . . 9-2
220177 . . . . . 9-2
220191 . . . . . 9-2
220192 . . . . . 9-2
220193 . . . . . 9-2
220194 . . . . . 9-2
222308 . . . . . 3-54, 3-74, 3-76
222309 . . . . . 3-74
224513 . . . . . 2-6, 2-10, 2-18, 7-5
224573 . . . . . 4-4
224584 . . . . . 4-16
224585 . . . . . 4-16
224587 . . . . . 4-16
224589 . . . . . 5-10, 7-5
224590 . . . . . 5-10
224625 . . . . . 8-2
224626 . . . . . 8-2
224631 . . . . . 8-2
224632 . . . . . 8-2
231494 . . . . . 2-40, 2-42, 2-46
231495 . . . . . 5-10, 5-20, 5-22
232178 . . . . . 7-5
232402 . . . . . 3-2
232404 . . . . . 5-9
232405 . . . . . 5-9, 5-14
232406 . . . . . 5-14, 5-18
232407 . . . . . 5-18
232451 . . . . . 2-38
232452 . . . . . 2-38, 2-42
232453 . . . . . 2-38, 2-42
235328 . . . . . 7-5
235329 . . . . . 5-9, 7-5
2-368-010287 . . . . . 6-8
238886 . . . . . 5-12, 5-14, 5-16
239-8101-14 . . . . . 4-4
2-423-010040 . . . . . 2-40, 2-42, 2-46
243767 . . . . . 3-12, 3-14, 3-62
243768 . . . . . 3-34, 3-37
243769 . . . . . 3-14, 3-37
243777 . . . . . 3-2, 3-6, 3-12, 3-16
243780 . . . . . 3-2, 3-6, 3-12, 3-16
247236 . . . . . 2-36
247237 . . . . . 2-38
247254 . . . . . 8-2
2-474-010022 . . . . . 2-6, 2-10, 2-13, 2-17
249356 . . . . . 5-9, 7-5
250427 . . . . . 3-2, 3-6, 3-12, 3-16
252786 . . . . . 1-6
252787 . . . . . 1-2, 1-8
252788 . . . . . 1-4
252820 . . . . . 1-2, 1-4, 1-6, 1-8
252821 . . . . . 3-6, 3-28
252822 . . . . . 3-12, 3-34
252823 . . . . . 3-2, 3-16, 3-22, 3-40
252824 . . 3-2, 3-6, 3-12, 3-16, 3-22, 3-28, 3-34, 3-40
252825 . . . . . 3-6, 3-28
252875 . . . . . 3-2, 3-6, 3-12, 3-16, 3-28, 3-34, 3-40
252886 . . . . . 5-9, 5-20, 5-22
252887 . . . . . 5-20, 5-22
252889 . . . . . 5-20, 5-22
252891 . . . . . 5-20, 5-22
254796 . . . . . 1-2, 1-4, 1-6, 1-8, 1-13
254797 . . . . . 1-13
254798 . . . . . 1-13
254804 . . . . . 1-2, 1-4, 1-6, 1-8
254805 . . . . . 1-2, 1-4, 1-6, 1-8
254817 . . . . . 8-4
2-557-010125 . . . . . 2-24, 2-44, 2-46
2-557-010417 . . . . . 2-34, 2-36, 2-38
2-557-010426 . . . . . 1-2, 1-4, 1-6, 1-8
25618 . . . . . 3-26, 3-32, 3-38
2-573-010198 . . . . . 2-6, 2-10, 2-18, 7-5
2-573-010330-03 . . . 7-5, 9-7, 9-10, 9-12, 9-14, 9-16
257319 . . . . . 5-20, 5-22
257320 . . . . . 5-9
257387 . . . . . 5-9

2-684-010045 . . . . . *2-17*
2-788-010010 . . . . . *4-4*
29SFFL 5811 . . . . . *4-8*, *4-12*
2K503 . . . . . *5-20*, *5-22*
3/4-16HSN . . . . . *2-20*
3-272-010017 . . . . . *4-4*
3P115 . . . . . *5-20*, *5-22*
40-0717-02 . . . . . *6-4*, *6-6*, *6-8*
415 . . . . . *2-25*, *2-40*, *2-42*, *2-46*
42H12 . . . . . *5-23*
42H16 . . . . . *3-22*, *3-28*, *3-34*, *3-40*
42H20 . . *3-2*, *3-6*, *3-12*, *3-16*, *3-28*, *3-34*, *3-40*, *3-55*, *3-56*, *8-2*
4D402 . . . . . *5-12*, *5-14*, *5-16*
500171 . . . . . *2-30*
528933 . . . . . *7-5*
528934 . . . . . *7-5*, *9-7*, *9-10*, *9-12*, *9-14*, *9-16*
528938 . . . . . *7-5*
5410 . . . . . *2-17*
6-557-010163 . . . . . *2-24*, *2-40*, *2-42*, *2-46*
6K516 . . . . . *5-10*, *5-20*, *5-22*
70239854 . . . . . *2-32*, *2-34*, *2-36*, *2-38*
70260977 *3-2*, *3-6*, *3-12*, *3-16*, *3-22*, *3-28*, *3-34*, *3-40*, *5-10*, *7-5*
70336914 . . . . . *9-8*
70336915 . . . . . *9-8*
70336916 . . . . . *9-8*
70592442 . . . . . *1-13*, *2-40*, *2-42*, *2-46*
70593063 *1-2*, *1-4*, *1-6*, *1-8*, *1-10*, *1-12*, *2-2*, *2-4*, *2-8*, *2-24*, *2-32*, *2-34*, *2-36*, *2-38*, *2-44*, *2-46*, *3-22*, *3-28*, *3-34*, *3-40*, *3-46*, *3-48*, *3-74*, *3-76*, *5-9*, *5-20*, *5-22*, *9-4*, *9-7*, *9-16*
71508984 . . . . . *2-13*
7D937 . . . . . *5-18*
7D938 . . . . . *5-18*
8-102-010019 . . . . . *9-7*, *9-16*
8-105-010006 *3-6*, *3-12*, *3-16*, *3-22*, *3-28*, *3-34*, *3-40*
81264 . . . . . *4-4*
8-183-010058 . . . . . *4-12*
830025 . . . . . *9-8*
8-557-010114 . . . . . *2-32*
8-573-010084 . . . . . *2-6*, *2-10*, *2-18*, *7-5*
85G820E . . . . . *8-4*
8-720-010013 . . . . . *2-24*
8-861-010021 . . . . . *2-24*, *2-40*, *2-42*, *2-46*
9J433 . . . . . *5-12*, *5-14*, *5-16*
9K425 . . . . . *1-2*, *1-4*, *1-6*, *1-8*

## F

F-726-2604 . . . . . *1-1*
F-726-2610 . . . . . *1-1*

## H

HEHM240 . . . . . *4-4*

## T

TR416 . . . . . *2-2*, *2-4*, *2-8*

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# Instructions for Ordering Parts

**** Repair parts must be ordered through an Authorized Dealer ****

**DEALER INSTRUCTIONS FOR ORDERING PARTS FROM LANDOLL PARTS DISTRIBUTION CENTER**

**Phone #: 800-423-4320 or 785-562-5381** **Fax #: 888-527-3909**

**Order online: dealer.landoll.com**

**SERIAL NUMBER PLATE**

The Serial Number Plate, which lists the model number and serial number, is located on the front of the frame.

**SERIAL NUMBER NOMENCLATURE**

The following information will help decode the 5211 Grain Drill serial number

**52H2022100 = xxmyyssssss**

**QR CODE DECAL**

**The 5000 series QR code decal, may be scanned to link you to the most current manuals, located on the front of the frame *See Figure 12-1***

| | |
|---|---|
| **xx** | = model series (i.e. 52 for Grain Drill, Rigid) |
| **m** | = month of manufacture<br>(ex. “H” means October. The letter I is not used.) |
| **yy** | = year manutactured<br>(ex. “22” means 2022) |
| **SSSSS** | = Sequential number used to track warranty and service information. |

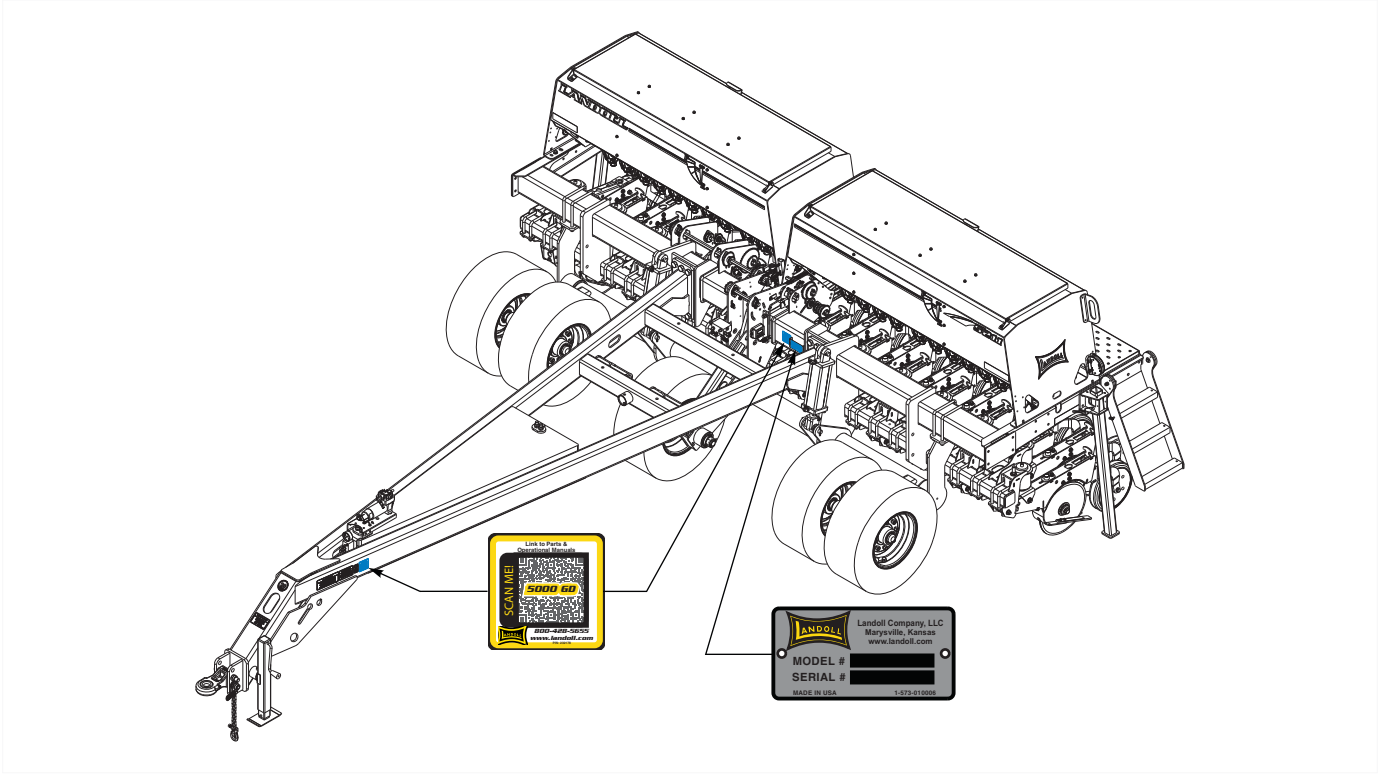



**Figure 12-1: Serial Number Plate and Location**

## Manuals for 52111 Grain Drill

| Manual Number | Manual Type |
|---|---|
| F-725 | Operator’s Manual |
| F-726 | Parts Manual |

# Document Control Revision Log:

| Date | Form # | Improvement(s): Description and Comments |
|---|---|---|
| 10/04/2013 | F-726-0713 | Initial Release |
| 01/10/2022 | F-726-0122 | Updated whole manual, added rebounder, spring openers |
| 04/19/2022 | F-726-2404 | Updated ISO logo, 15’ x 10” box assembly, updated rubber boot on air compressor, added wrench adjust wrenches, scale mount kit, dual drive wheel 3 pint hitch option, 5211-10’ & 20’ 6”spacing option |
| 12/01/2025 | F-726-2512 | Updated seed tubes and added 6” seed charts. |
| 04/22/2026 | F-726-2604 | Added 252886 sprocket assembly to small seed drive in chapter 5. |
| 10/01/2026 | F-726-2610 | Added new wide walkboard and handle on back of seed boxes. |

Equipment from Landoll Company, LLC is built to exacting standards ensured by ISO 9001:2015 registration at all Landoll manufacturing facilities.

# Model 5211
# Grain Drill
# Parts Manual
# Re-order Part Number F-726

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