



# ASSEMBLY AND PARTS LIST MANUAL



## HYDRAULIC AUGER

TL1039 • HD1046/53/59

SN 36-17587 & Higher

# DECLARATION OF CONFORMITY

We the Manufacturer:

**Meridian Manufacturing Inc.  
PO Box 1996 2800 Pasqua Street North  
Regina, Sk, Canada  
S4P 3E1**

Declare the Augers listed below conform to the 2006/42/EC Machinery  
Directive

TL10-39  
HD10-46  
HD10-53  
HD10-59

The Meridian HD10/TL10 Series Belt Drive Screw Conveyor and Tube Assembly  
is designed for the movement of Grains and Cereals.

# TABLE OF CONTENTS

**GENERAL**

- A1 Declaration of Conformity
- A2 Table of Contents
- A3 Sign Off Sheet

**ASSEMBLY**

- B1 Frame
- B5 Head End - TL Only
- B9 Tube - HD Only
- B10 Truss - HD53/59 Only
- B11 Tube to Frame
- B14 Motor Mount
- B16 Hydraulic Platform
- B20 Frame Add-Ons
- B21 Hose Schematic

**PARTS**

- C1 TL1039 Main Frame Assembly
- C2 HD1046 Main Frame Assembly
- C3 HD1053 Main Frame Assembly
- C4 HD1059 Main Frame Assembly
- C5 TL1039 A Frame Assembly
- C6 HD1046 A Frame Assembly
- C7 HD1053 A Frame Assembly
- C8 HD1059 A Frame Assembly
- C9 Hub & Spindle
- C10 TL10 Motor Mount Assembly
- C11 HD10 Motor Mount Assembly
- C12 TL1039 Tubes
- C14 HD1046 Tubes
- C16 HD1053 Tubes
- C18 HD1059 Tubes
- C20 Hydraulic Platform
- C22 General Parts

**WARRANTY**

- D1 Warranty and Disclaimer

# MERIDIAN GRAIN EQUIPMENT SIGN OFF SHEET

As a requirement of OSHA, it is necessary for the employer to train the employee in the safe operation and safety procedures with this equipment. We include this sign-off sheet for your convenience and personal record keeping.

[illegible]

# FRAME

## STEP 1

- Locate the following frame parts (2) **A FRAME ARMS**, (2) **MAIN FRAME ARMS**, (1) **AXLE** & (2) **AXLE BRACES** in **FRAME BUNDLE**
- For HD1053 & HD1059 only, also locate (2) **CROSS BRACKETS** in **FRAME BUNDLE**
- Locate the following parts (1) **CROSS BRACE**, (1) **GOOSE NECK**, (1) **CABLE ROLLER BRACKET** & (1) **WINCH PLATE** in **HARDWARE BOX**
- Parts numbers of all parts can be found in **FIG 2.1** below

## STEP 2

- Lay out all the parts located in **STEP 1** as shown below in **FIG 2.1**

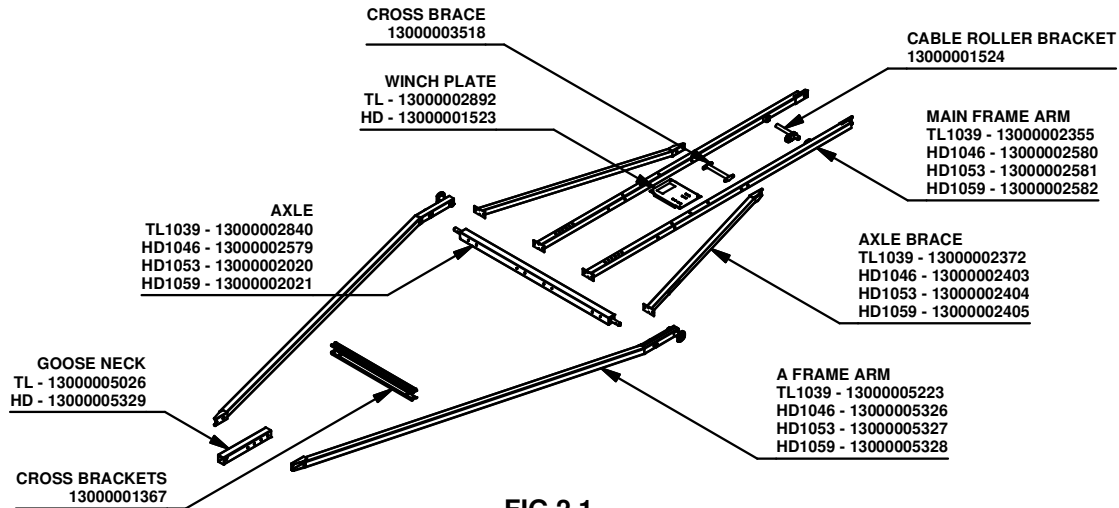


FIG 2.1

## STEP 3

- Locate (1) **BOLT BAG A FRAME** in **HARDWARE BOX**
- Slide **A FRAME ARMS** onto **AXLE** using the second holes from the end and fasten using (1) 3/4 Lock Washer, 3/4 Flat Washer & **ZERK BOLT ASSEMBLY PN 13000001926** found in **BOLT BAG A FRAME**
- See **FIG 3.1** below

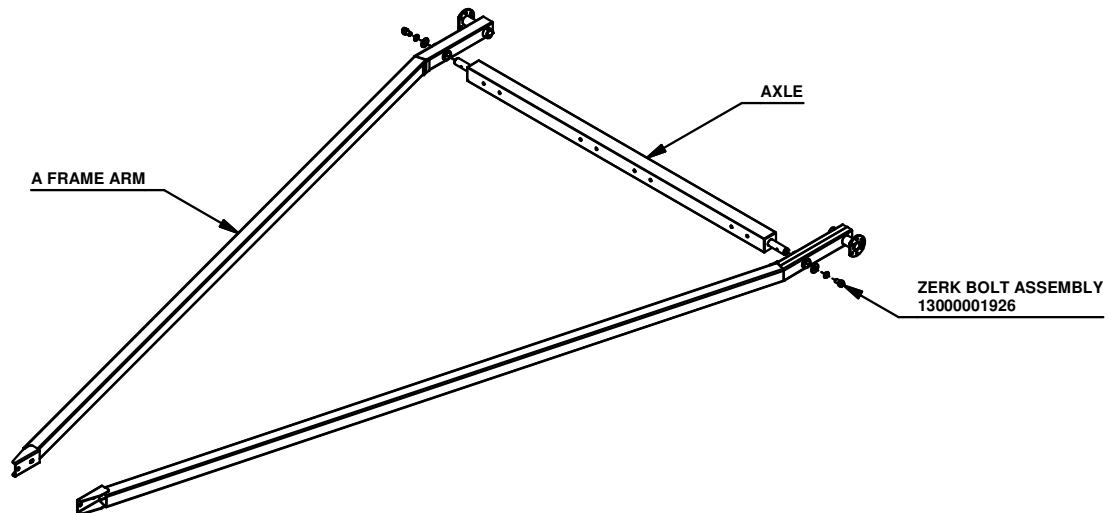


FIG 3.1

# FRAME

## STEP 4

- For HD1053 & HD1059 Only
- Install (2) **CROSS BRACKETS** on to **A FRAME ARMS** using (4) 3/8" x 3-3/4" Hex Bolt, Washer & Flange Nut found in **BOLT BAG A FRAME**
- See **FIG 4.1** Below

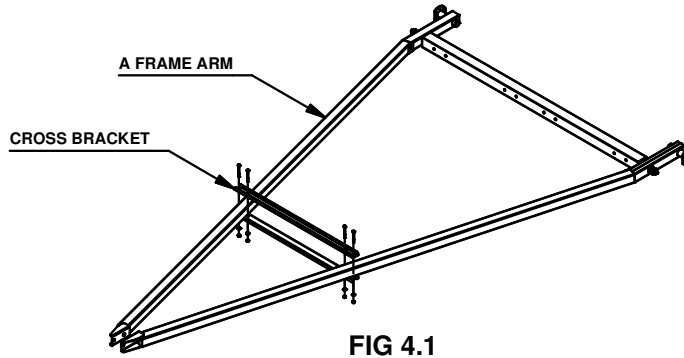


FIG 4.1

## STEP 5

- Fasten **GOOSE NECK** with large hole at end closer to the top between **A FRAME ARMS** using (2) 5/8 x 5" Hex Bolt & Nylon Lock Nut found in **BOLT BAG A FRAME**
- See **FIG 5.1** below

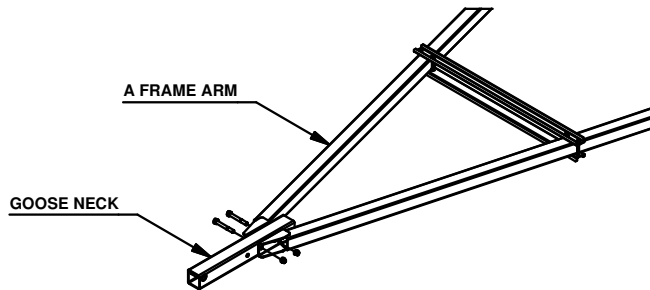


FIG 5.1

## STEP 6

- Locate **HARDWARE BAG GOOSE NECK PN 130000010968 FOR HD10 & PN 130000011149 FOR TL10 & (2) TROLLEY GUIDES PN 13000001366** in **HARDWARE BOX**
- Assemble (4) **TRACK ROLLERS**, (3) **BUSHINGS**, (1) **CABLE ROLLER** & (1) **SPACER** found in the **HARDWARE BAG GOOSE NECK** along with (2) **TROLLEY GUIDES** to the **GOOSE NECK** and fasten using (3) 5/8 x 5" Hex Bolts & Nylon Lock Nuts found in **BOLT BAG A FRAME**
- Do not tighten fasteners at this time
- See **FIG 6.1** below for part placements

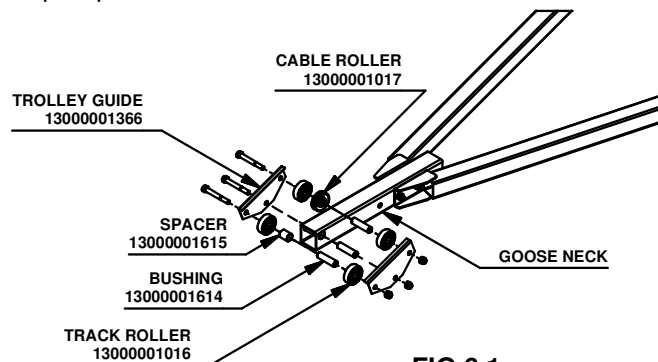


FIG 6.1

# FRAME

## STEP 7

- Locate (2) **SPINDLES PN 13000002553** in **HARDWARE BOX**
- Assemble **SPINDLES** to end hole on **A FRAME ARMS** using (1) **3/8 X 2-3/8 CLEVIS PIN PN 13000001387** & 5/32 x 1 Cotter Pin found in **BOLT BAG A FRAME**
- See **FIG 7.1** Below

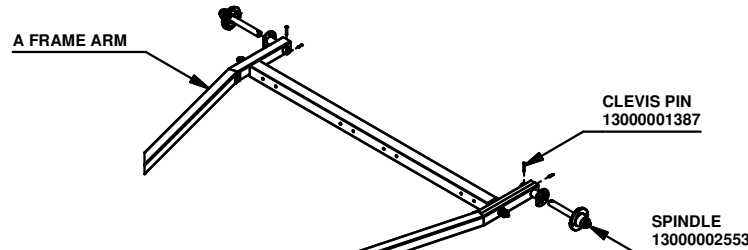


FIG 7.1

## STEP 8

- Locate (2) **TIRES PN 13000005404**
- Assemble **TIRES** to **SPINDLES** using (4) **1/2 X 7/8" WHEEL STUDS PN 13000001012** found in **BOLT BAG A FRAME**
- See **FIG 8.1** below

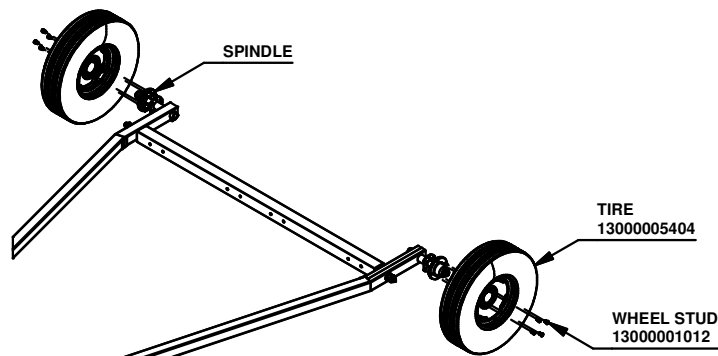


FIG 8.1

## STEP 9

- Locate **BOLT BAG MAIN FRAME** in **HARDWARE BOX**
- Assemble **MAIN FRAME ARMS** to **AXLE** using (2) 7/16 x 4" Hex Bolt & Flange Nuts for TL10 or (2) 1/2 x 4-1/2" Hex Bolt & Flange Nuts for HD10
- Do not tighten fasteners at this time
- All fasteners can be found in **BOLT BAG MAIN FRAME**
- See **FIG 9.1** below for part placements

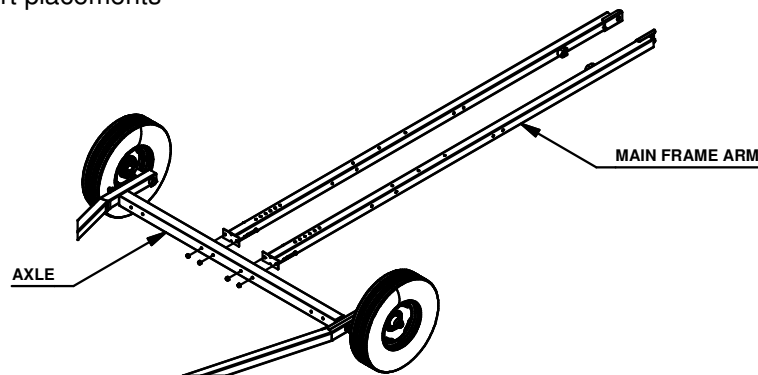


FIG 9.1

# FRAME

## STEP 10

- Assemble **AXLE BRACES** to **AXLE** using (2) 7/16 x 4" Hex Bolt & Flange Nut for TL10 or 1/2 x 4-1/2" Hex Bolt & Flange Nut for HD10
- Fasten **CROSS BRACE** between **MAIN FRAME ARMS** and **AXLE BRACES** using (4) 7/16 x 3-1/2" Hex Bolt, Flat Washer & Flange Nuts for TL10 or (4) 7/16 x 4" Hex Bolt, Flat Washer & Flange Nuts for HD10
- All fasteners can be found in **BOLT BAG MAIN FRAME**
- See **FIG 10.1** Below

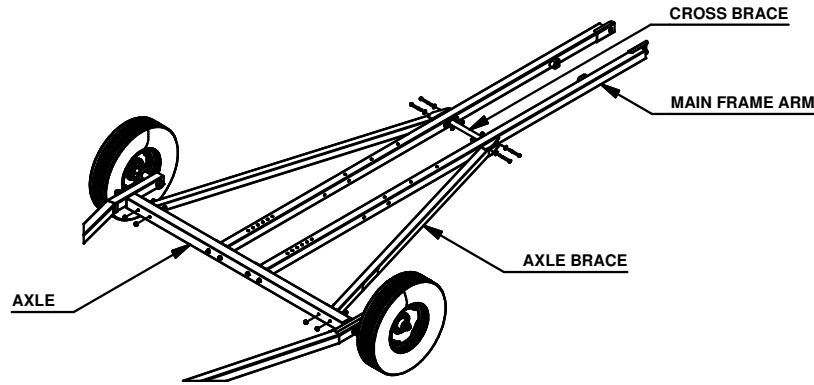


FIG 10.1

## STEP 11

- Assemble **CABLE ROLLER BRACKET** to **MAIN FRAME** using (2) 3/8 x 2-1/2 Flange Bolt & Nuts found in **BOLT BAG MAIN FRAME**
- See **FIG 11.1** below

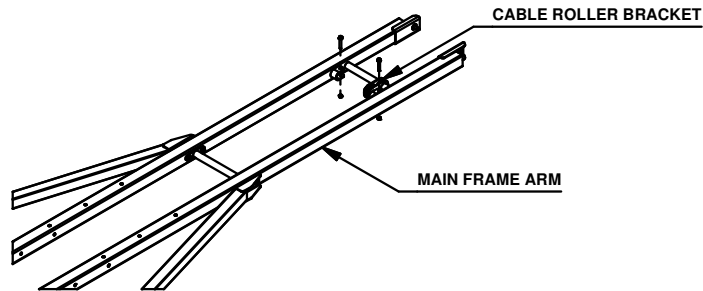


FIG 11.1

## STEP 12

- Locate **BOLT BAG WINCH MOUNT** in **HARDWARE BOX**
- Assemble **WINCH PLATE** to one **MAIN FRAME ARM** using (2) 7/16 x 3-1/4" Hex Bolt & Flange Nuts for TL10 or (2) 7/16 x 4" Hex Bolt & Flange Nuts for HD10
- All fasteners can be found in **BOLT BAG WINCH MOUNT**
- **DO NOT** bolt to other **MAIN FRAME ARM** at this time
- See **FIG 12.1** below

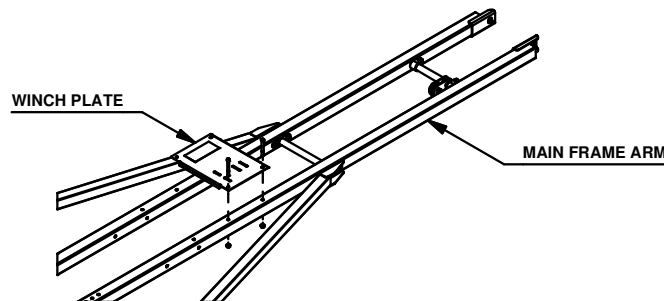


FIG 12.1

# HEAD END - TL ONLY

## STEP 13

- Locate **BEARING PN 13000002511**, **HEAD END PLATE PN 130000012308** & **BOLT BAG HEAD END FLANGE PN 130000012314** in **HARDWARE BOX HEAD END PN 130000012312**
- Bolt **BEARING** on to **HEAD END PLATE** using (4) 1/2 x 1-3/4" Flange Bolts, Lock Washers & Hex Nuts found in **BOLT BAG HEAD END FLANGE**
- See **FIG 13.1** below

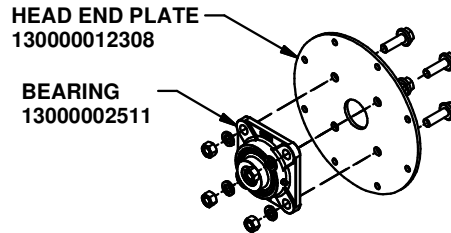


FIG 13.1

## STEP 14

- Bolt **HEAD END PLATE C/W BEARING** on to **TOP TUBE** using (4) 7/16 x 1" Flange Bolts & Nuts found in **BOLT BAG HEAD FLANGE** only in the locations indicated
- See **FIG 14.1** below

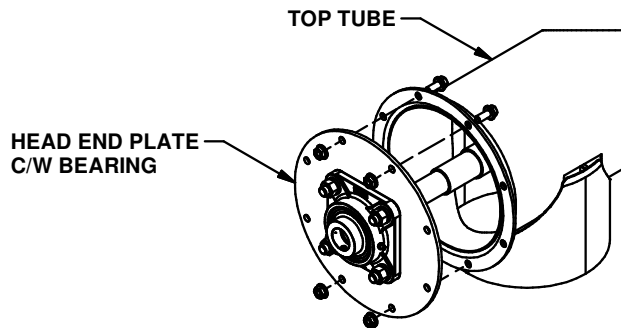


FIG 14.1

## STEP 15

- Slide **FLIGHT** through **BEARING** until it is seated against the back of the **BEARING** and lock the collar using the proper locking collar installation instructions
- See **FIG 15.1** below

### PROPER LOCKING COLLAR INSTALLATION:

- Place locking collar on bearing and hand tighten, turning counter-clockwise
- Use a hammer and punch to give the locking collar a couple of hits to lock into place
- Use lock-tite on set screws, and tighten

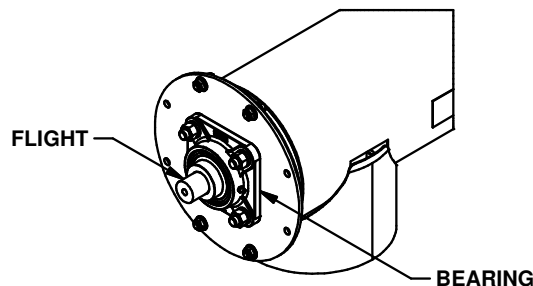


FIG 15.1

# HEAD END - TL ONLY

## STEP 16

- Locate (1) **SPROCKET PN 13000001200** & **BOLT BAG HEAD END PN 130000012313** in **HARDWARE BOX HEAD END**
- Insert 808 Woodruff Key found in **BOLT BAG HEAD END** into **FLIGHT** and slide **SPROCKET** on to **FLIGHT**
- Fasten **SPROCKET** using **WASHER PN 130000011037** & 1/2 x 3/4" Flange Bolt found in **BOLT BAG HEAD END**
- See **FIG 16.1** below

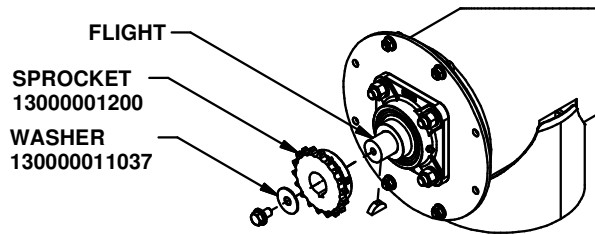


FIG 16.1

## STEP 17

- Locate **MOTOR PN 1930000031** & **MOUNT PLATE PN 130000011039** in **HARDWARE BOX HEAD END**
- Assemble **MOTOR** to **MOUNT PLATE** using (2) 1/2 x 1-3/4 Hex Bolts & Nylon Lock Nuts found in **BOLT BAG HEAD END**
- See **FIG 17.1** below

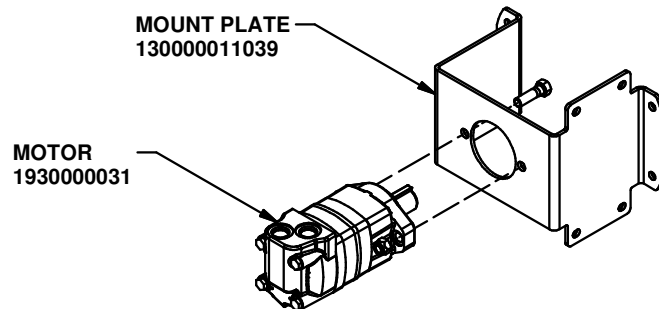


FIG 17.1

## STEP 18

- Locate (1) **SPROCKET PN 13000001200** in **HARDWARE BOX HEAD END**
- Place **STEPPED KEY PN 130000012085** found in **BOLT BAG PN HEAD END** into **MOTOR** & slide **SPROCKET** onto **MOTOR**
- See **FIG 18.1** below

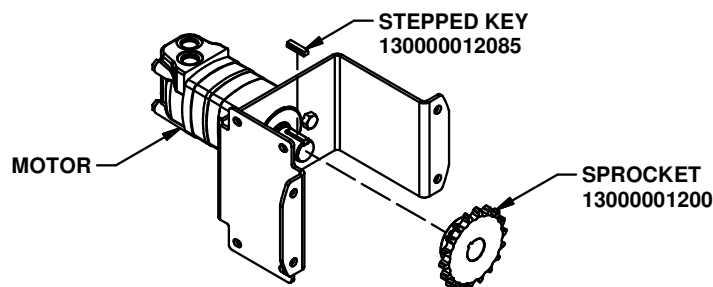


FIG 18.1

# HEAD END - TL ONLY

## STEP 19

- Bolt **MOUNT PLATE** to **HEAD END PLATE** & **TOP TUBE** using (4) 7/16 x 1-1/2 Flange Lock Bolts & Nuts from **BOLT BAG PN HEAD END FLANGE**
- See **FIG 19.1** below

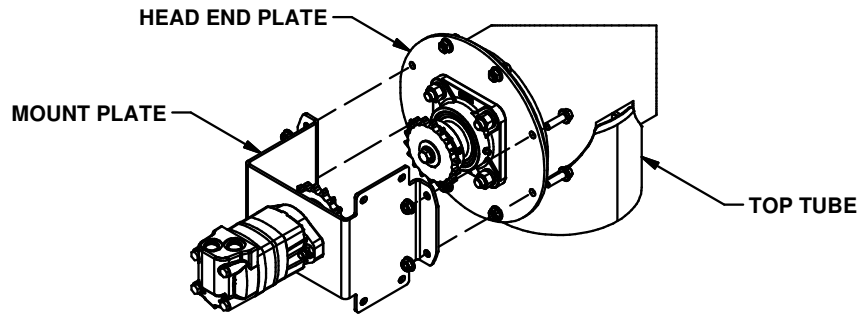


FIG 19.1

## STEP 20

- Locate **CHAIN 60-2R-18 PN 13000005190** in **HARDWARE BOX HEAD END**
- Assemble **CHAIN** on to **SPROCKETS**
- See **FIG 20.1 & 20.2** below

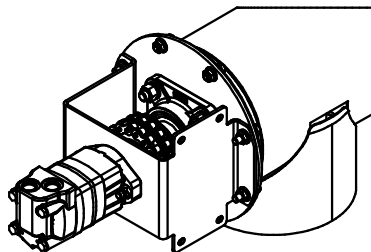


FIG 20.1

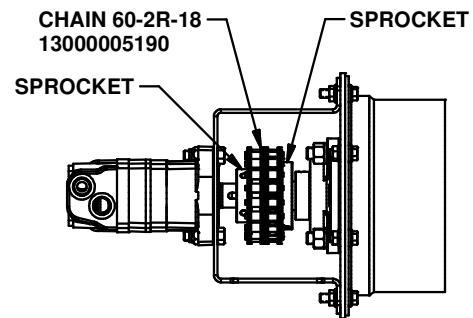


FIG 20.2

## STEP 21

- Locate **GUARD PN 130000011109** in **HARDWARE BOX HEAD END**
- Bolt **GUARD** onto **MOUNT PLATE** using (4) 3/8 x 3/4 Flange Lock Bolts & Nuts from **BOLT BAG HEAD END**
- See **FIG 21.1** below

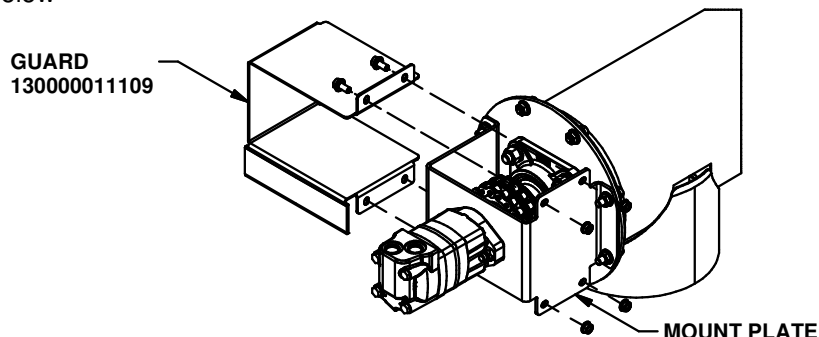


FIG 21.1

# HEAD END - TL ONLY

## STEP 22

- Insert (2) **FITTINGS PN 1835000012** found in **BOLT BAG PN 130000012313** into **MOTOR**
- See **FIG 22.1** below

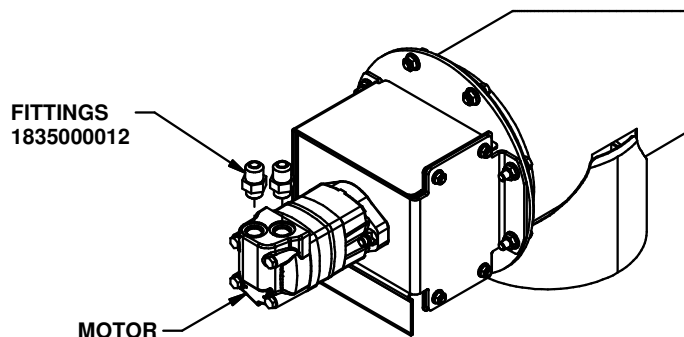


FIG 22.1

## STEP 23

- Locate (2) **HYD HOSES PN 130000012041** in **HARDWARE BOX HEAD END**
- Connect (2) **HYD HOSES** to **FITTINGS** on **MOTOR** and to **HYD LINES** on **TUBE**
- See **FIG 23.1** below

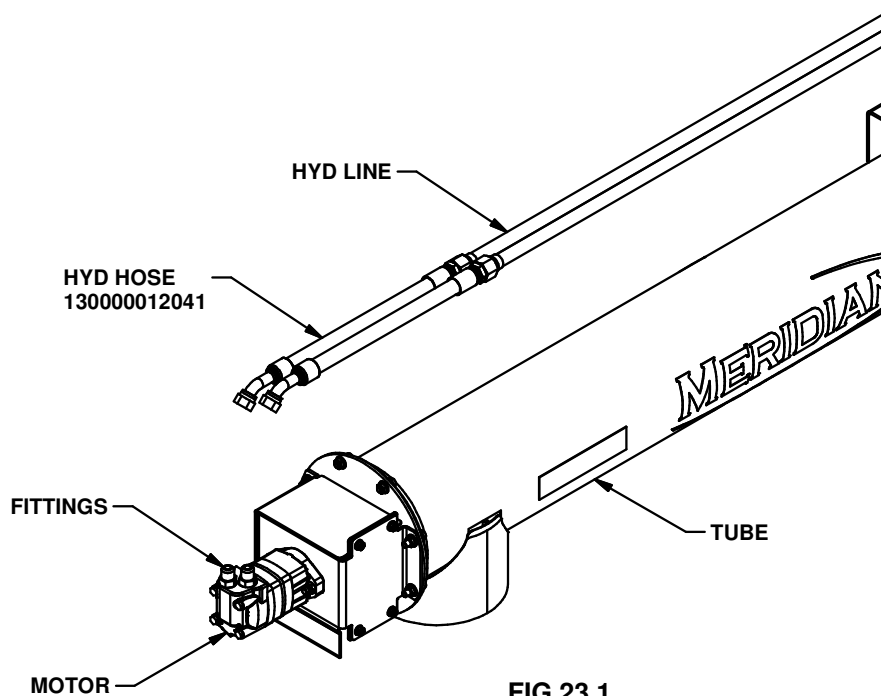


FIG 23.1

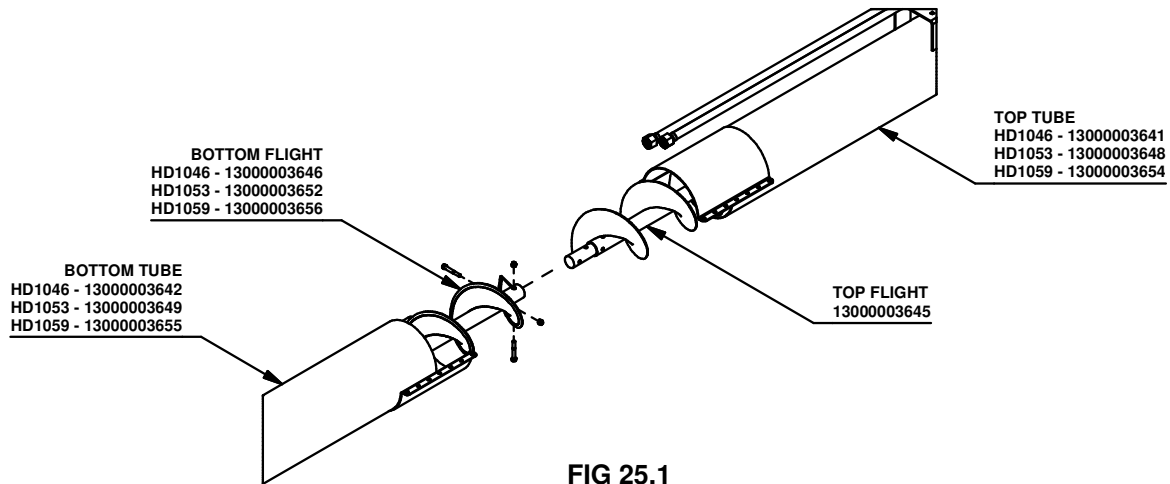
# TUBE - HD ONLY

## STEP 24

- Locate **BOLT BAG TUBE COUPLER PN 13000000001** & **BOLT BAG FLIGHT CONNECTION PN 130000011007** in **HARDWARE BOX FOR HD1059** or **HOSE KIT OPTK FOR HD1046 & HD1053**

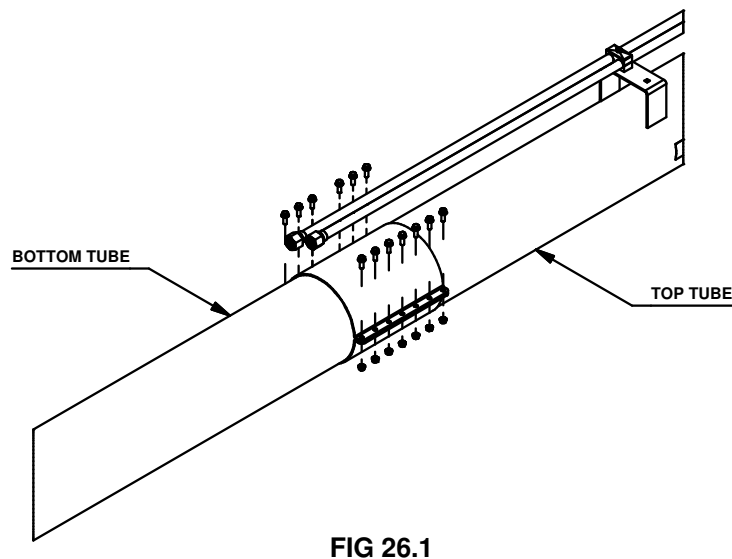
## STEP 25

- Slide **TOP FLIGHT** to **BOTTOM FLIGHT** and fasten using (2) 3/8 x 2-3/4" Hex Bolt & Nylon Lock Nuts
- Fasteners can be found in **BOLT BAG FLIGHT CONNECTION**
- See **FIG 25.1** below



## STEP 26

- Connect **TOP TUBE BAND** to **BOTTOM TUBE BAND** and fasten using (14) 3/8 x 1" Flange Bolt & Nuts
- Fasteners can be found in **BOLT BAG TUBE COUPLER**
- See **FIG 26.1** below



# TRUSS - HD53/59 ONLY

## STEP 27

- Locate (2) **TRUSS RISERS** PN 13000001443, (1) **TRUSS BRACE** PN 13000003102 & **BOLT BAG TRUSS** PN 130000010572 in **HARDWARE BOX**
- Fit up (2) **TRUSS RISERS** to **BRACKET** on **TUBE** and fasten with (4) 3/8 Flange Nuts found in **BOLT BAG TRUSS**
- See **FIG 27.1** below

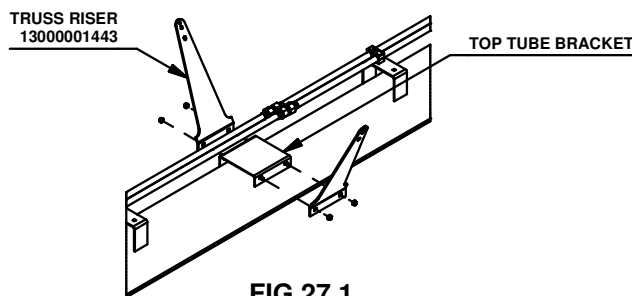


FIG 27.1

## STEP 28

- Bolt **TRUSS BRACE** between **TRUSS RISERS** and fasten using (2) 7/16 x 1" Flange Bolt & Nuts
- Fasteners can be found in **BOLT BAG TRUSS**
- See **FIG 28.1** below

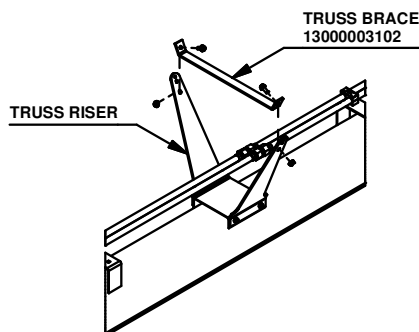
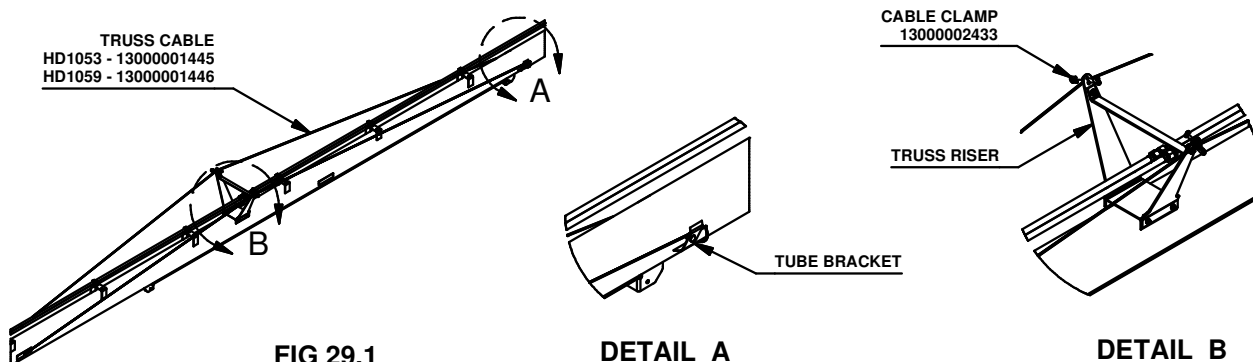


FIG 28.1

## STEP 29

- Locate **TRUSS CABLE** PN 13000001445 for HD1053 or PN 13000001446 for HD1059 in **HARDWARE BOX**
- Loop **TRUSS CABLE** around **TUBE** through **BRACKET** and fasten to both **TRUSS RISERS** using 5/16" **CABLE CLAMP** PN 13000002433 found in **BOLT BAG TRUSS**
- Ends of **TRUSS CABLE** will be connected once **FRAME** is attached to **TUBE**
- See **FIG 29.1** below



# TUBE TO FRAME

## STEP 30

- Raise **HEAD END** of **TUBE** about 5ft
- Position completed **FRAME** under **TUBE** with **A FRAME** to **HEAD END** and **MAIN FRAME** to **INTAKE END**
- See **FIG 30.1** & **FIG 30.2** below

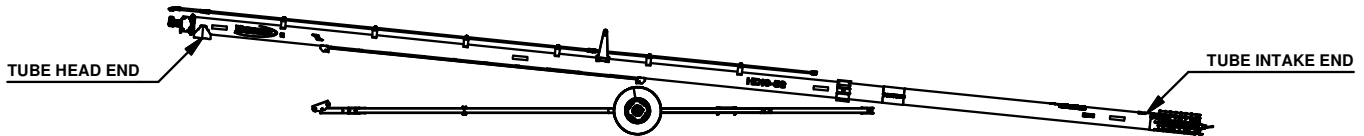


FIG 30.1

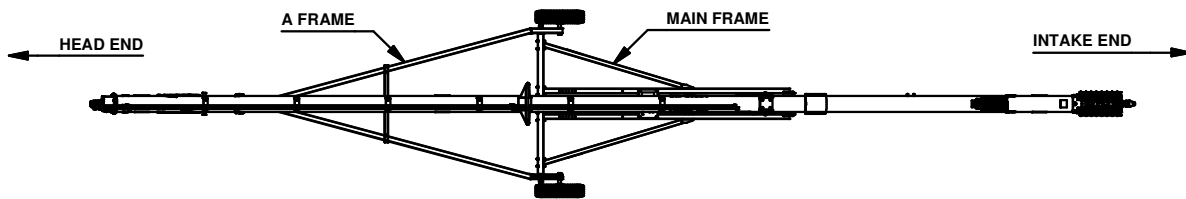


FIG 30.2

## STEP 31

- Locate **LIFT CABLE** in **HARDWARE BOX** and run **LIFT CABLE** around **GROOVED ROLLER** on **GOOSENECK**
- See **FIG 31.1** below for **LIFT CABLE PN'S**

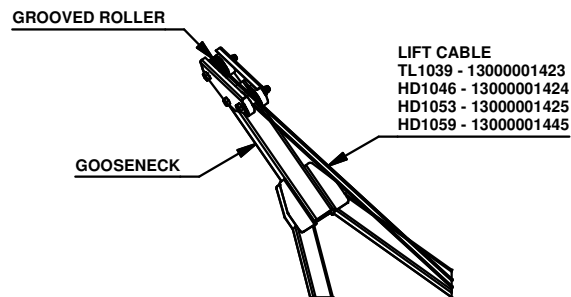


FIG 31.1

## STEP 32

- Lift **A FRAME** to **HEAD END** of **TRACK** on bottom of **TUBE**
- Spread **TRACK ROLLER BRACKETS** and fit over **TRACK**
- Tighten fasteners for **TRACK ROLLER BRACKETS**
- See **FIG 32.1** below

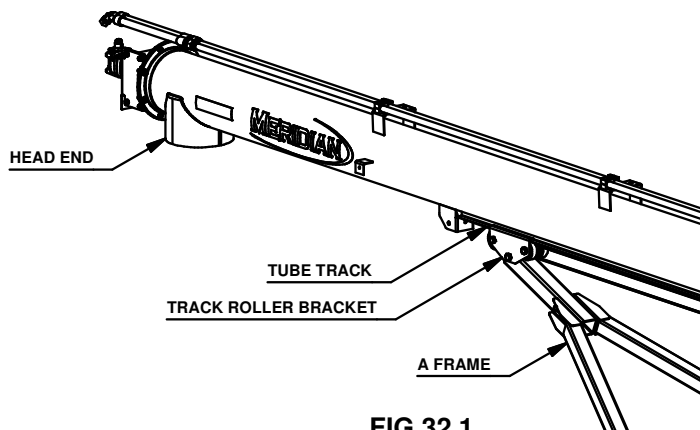


FIG 32.1

# TUBE TO FRAME

## STEP 33

- Raise **HEAD END** of **TUBE** high enough to allow **MAIN FRAME** to fit on **STEEL PINS** of **TUBE**
- For HD1053 & HD1059 only, place **TRUSS TENSION BRACKET PN 13000001435** between **TUBE** and **MAIN FRAME** on each side, **TRUSS TENSION BRACKETS** can be found in **BOLT BAG TRUSS**
- Fasten **MAIN FRAME** to **TUBE** using **WASHER PN 13000003121** & 1/2 1-1/2 Flange Bolt on each side, fasteners can be found in **BOLT BAG MAIN FRAME**
- See **FIG 33.1** below

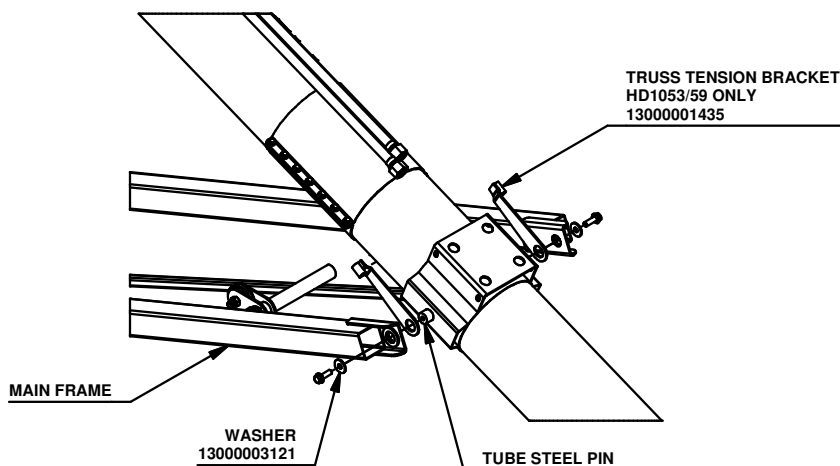


FIG 33.1

## STEP 34

- For HD1053 & HD1059 only
- Fasten (1) **EYE BOLT PN 13000001447** into each **TRUSS TENSION BRACKET**, **EYE BOLT** can be found in **BOLT BAG TRUSS**
- Loop end of **TRUSS CABLE** through **EYE BOLT** and clamp with (2) 1/4" **CABLE CLAMPS PN 13000001060** leaving at least 4-3/4" Turnback, 1/4" **CABLE CLAMPS** can be found in **BOLT BAG TRUSS**
- Repeat for other end of **TRUSS CABLE**
- See **FIG 34.1** & **FIG 34.2** below

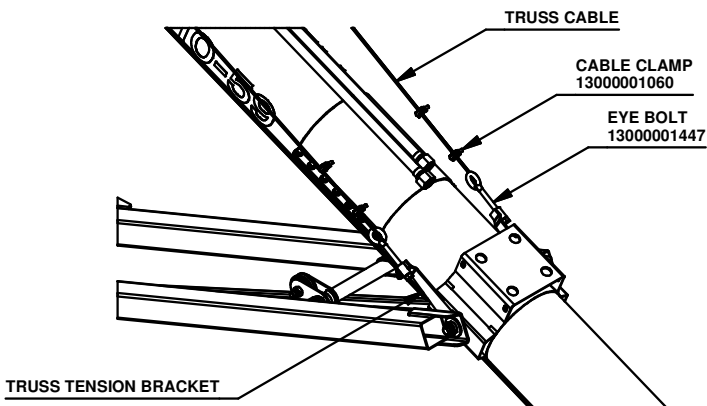


FIG 34.1

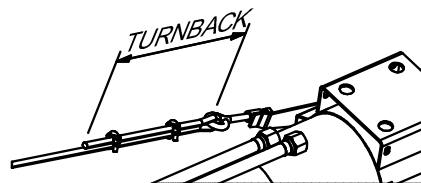


FIG 34.2

# TUBE TO FRAME

## STEP 35

- Roll **FRAME** back to allow **FRAME** to line up to **TUBE**
- Fasten other side of **WINCH PLATE** to **MAIN FRAME ARM** using (2) 7/6 x 4" Hex Bolt & Flange Nuts which can be found in **BOLT BAG WINCH MOUNT**
- Tighten all fasteners on **FRAME**
- See **FIG 35.1** below

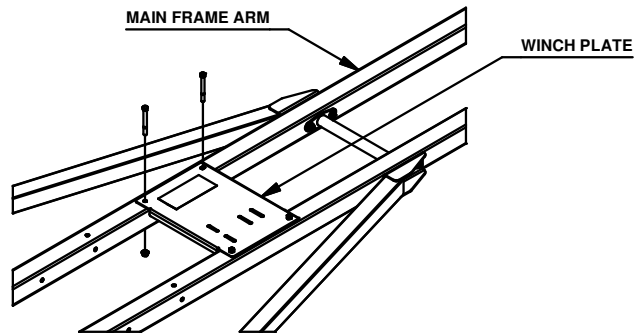


FIG 35.1

## STEP 36

- Lower Auger to the ground and allow **A FRAME** to rest against **TOP TRACK STOP**
- Secure **LIFT CABLE** to **BOTTOM TRACK STOP** with (2) 1/4 **CABLE CLAMP PN 13000001060** found in **BOLT BAG A FRAME**
- Thread **LIFT CABLE** through **CABLE ROLLER** on **MAIN FRAME** to **HYD WINCH** (**HYD WINCH** assembly can be found in **MOVER MANUAL**)
- Ensure **LIFT CABLE** wraps 3 time around **HYD WINCH DRUM** before **LIFT CABLE** is tight
- See **FIG 36.1** & **FIG 36.2** below

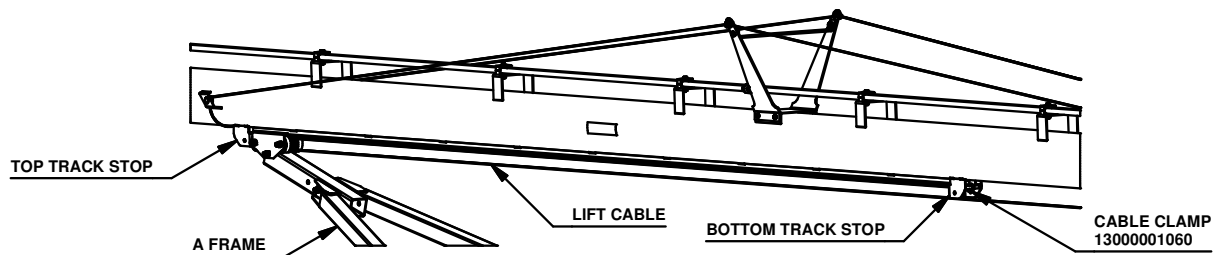


FIG 36.1

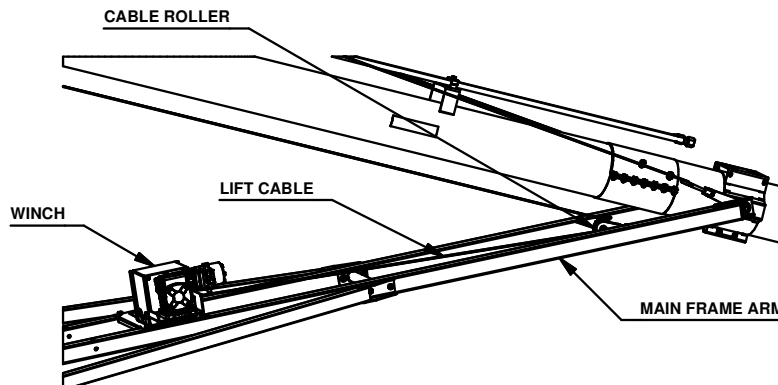


FIG 36.2

# MOTOR MOUNT

## STEP 37

- Locate (2) **PIVOT BRACKETS** PN 13000001449 FOR TL10 OR PN 13000001588 FOR HD10, **MOTOR MOUNT BASE** PN 130000011009 & **BOLT BAG MOTOR MOUNT** PN 130000010573 FOR TL10 OR 130000010969 FOR HD10 in **HARDWARE BOX**
- Slide **PIVOT BRACKETS** onto each end of **MOTOR MOUNT BASE** and assemble **PIVOT BRACKETS** on **MAIN FRAME ARMS** as shown in **FIG 37.1** & **FIG 37.2** below
- Fasten **PIVOT BRACKETS** to **MAIN FRAME ARMS** using (4) 7/16 x 3-1/2" Hex Bolt, Flat Washer & Flange Nuts for TL10 or (4) 7/16 x 4" Hex Bolt, Flat Washer & Flange Nuts for HD10 found in **BOLT BAG MOTOR MOUNT**

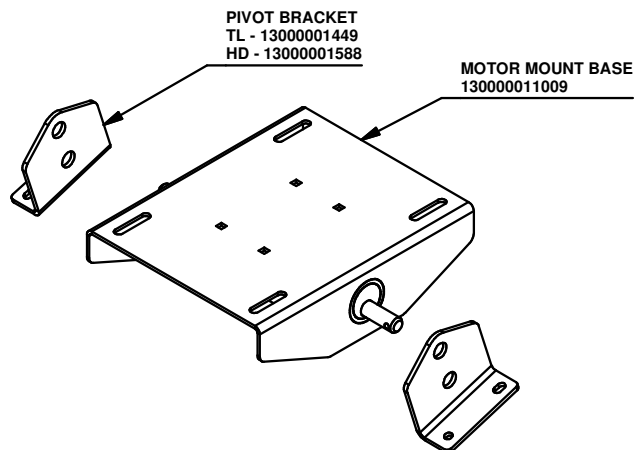


FIG 37.1

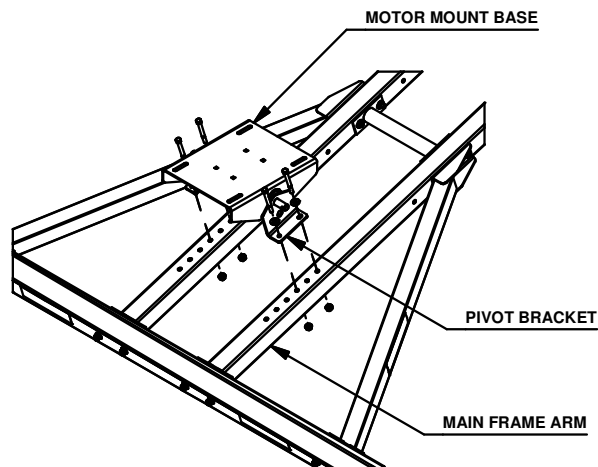


FIG 37.2

## STEP 38

- Locate (2) **LOWER LEVELING BAR BRACKET** PN 13000001590 in **HARDWARE BOX**
- Fasten (2) **LOWER LEVELING BAR BRACKETS** under **MOTOR MOUNT BASE** using (4) 3/8 x 1" Carriage Bolt & Flange Nuts found in **BOLT BAG MOTOR MOUNT**
- See **FIG 38.1** below

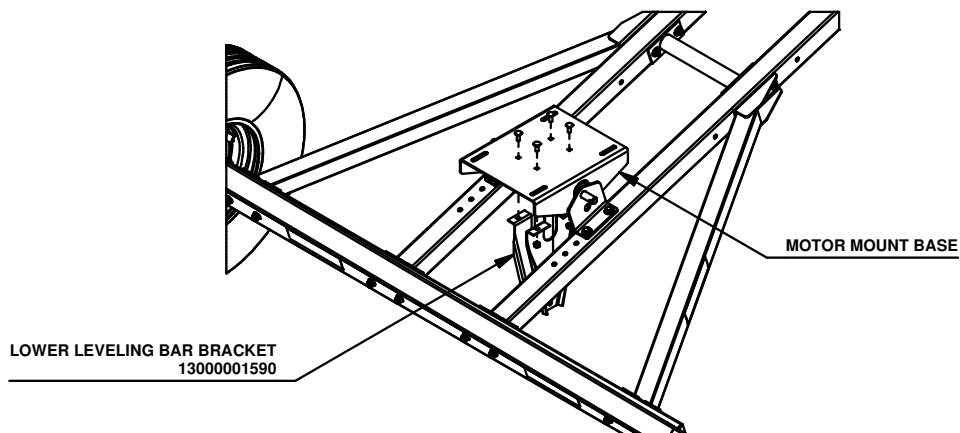


FIG 38.1

# MOTOR MOUNT

## STEP 39

- Locate (2) **UPPER LEVELING BAR BRACKETS** PN 13000001115 FOR TL10 OR PN 13000003106 FOR HD10 in **HARDWARE BOX**
- Assemble **UPPER LEVELING BAR BRACKETS** to **TUBE MOUNT** using (2) 3/8 x 2-1/2" Flange Bolt & Nuts found in **BOLT BAG MOTOR MOUNT**
- See **FIG 39.1** below

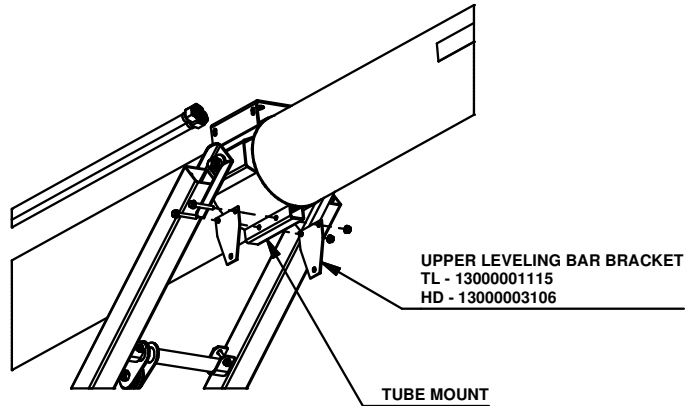


FIG 39.1

## STEP 40

- Locate **LEVELING BAR** in **FRAME BUNDLE**
- Fasten **LEVELING BAR** between **UPPER LEVELING BAR BRACKETS** and **LOWER LEVELING BAR BRACKETS** with **DOUBLE NUT END** of **LEVELING BAR** to **UPPER LEVELING BAR BRACKETS** using (2) **LEVELING BAR BUSHING** PN 13000001106, (2) 7/16 x 2-3/4" Hex Bolt & Flange Nuts found in **BOLT BAG MOTOR MOUNT**
- See **FIG 40.1** below

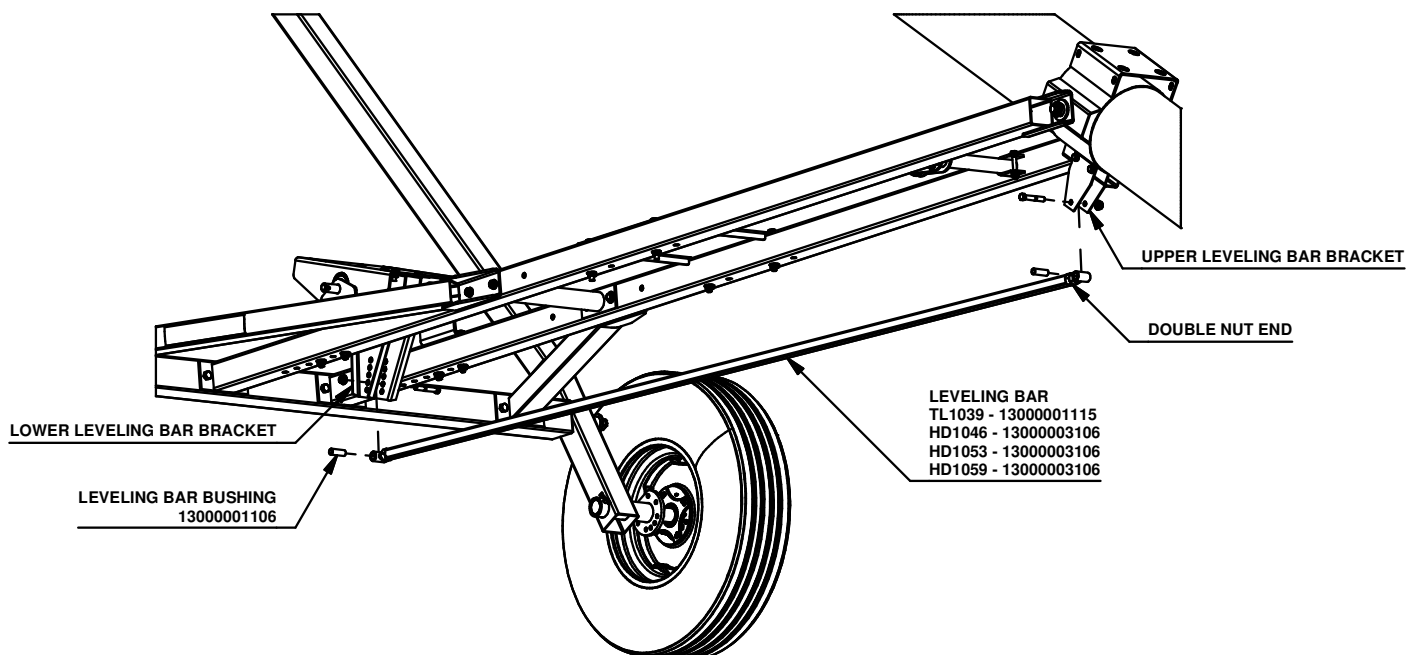


FIG 40.1

# HYDRAULIC PLATFORM

## STEP 41

- Locate (2) **HSS BASES** PN 130000011005 & **BOLT BAG MOTOR MOUNT BASE** PN 130000012087 in **HARDWARE BOX HYDRAULIC DRIVE**
- Assemble (2) **HSS BASES** to **MOTOR MOUNT** using (4) 1/2 x 2-1/2" Flange Bolt & Nuts found in **BOLT BAG MOTOR MOUNT BASE**
- See **FIG 41.1** below for correct orientation and hole alignment

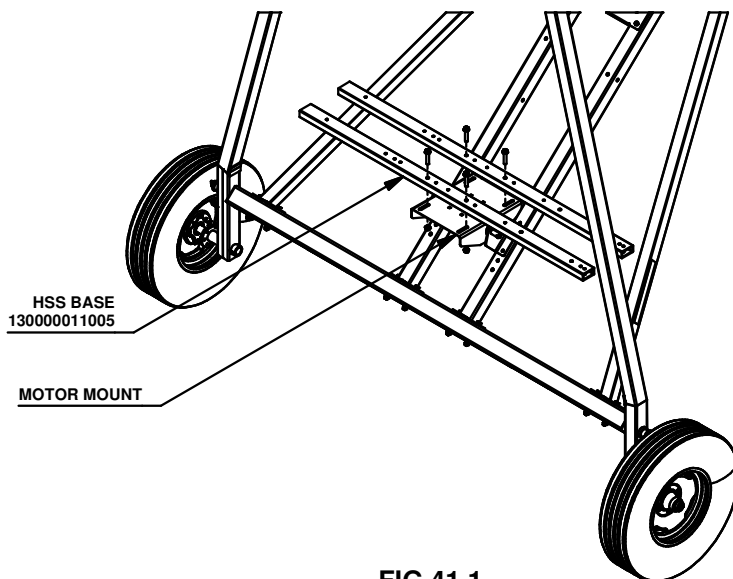


FIG 41.1

## STEP 42

- Locate **HYD TANK MOUNT** PN 130000011021, (2) **RUBBER SPACERS** PN 130000012084, (4) **SPACERS** PN 130000012083, **BOLT BAG SPACERS** PN 130000012086 & **BOLT BAG HYD TANK** PN 130000011123 in **HARDWARE BOX HYDRAULIC DRIVE**
- Fasten **HYD TANK MOUNT** to **HSS BASE** using (4) 3/8 x 2-1/4" Flange Bolt & Nuts found in **BOLT BAG HYD TANK**
- Fasten (2) **SPACERS** & (1) **RUBBER SPACER** to each **HSS BASE** using (2) 3/8 x 2-3/4" Hex Bolt, Flat Washer & Flange Nut found in **BOLT BAG SPACERS**
- See **FIG 42.1** below for correct orientation and hole alignment
- **NOTE** moving forward all **FIGURES** will not show **HSS BASE** on **MOTOR MOUNT**

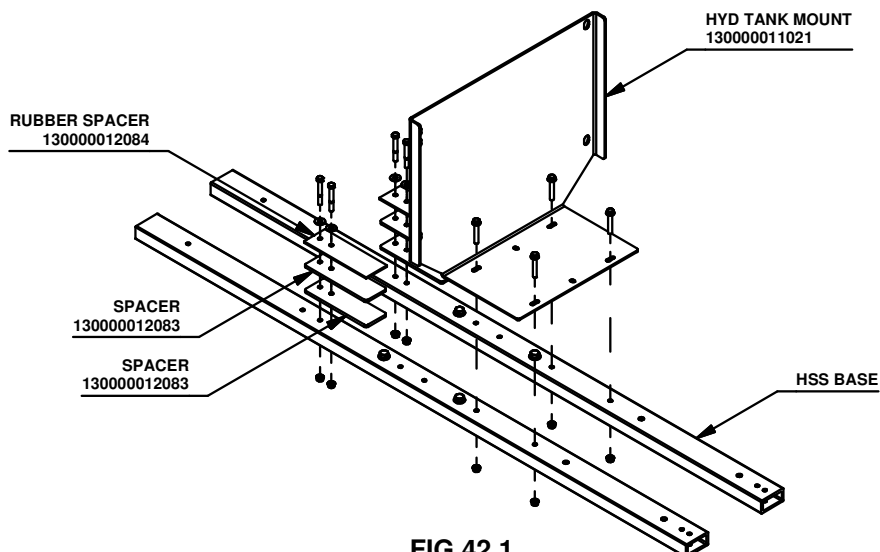


FIG 42.1

# HYDRAULIC PLATFORM

## STEP 43

- Locate **HYD TANK PN 130000010961** & **HYD FILTER MOUNT PN 402352** in **HARDWARE BOX HYD DRIVE**
- Fasten **HYD TANK** to **HYD TANK MOUNT** using (3) 5/8 x 1-1/2" Flange Bolt & Nuts found in **BOLT BAG HYD TANK**
- Fasten **HYD FILTER MOUNT** to **HYD TANK** and **HYD TANK MOUNT** using (2) 1/2 x 1-1/2" Flange Bolt & Nuts found in **BOLT BAG HYD TANK**
- See **FIG 43.1** below

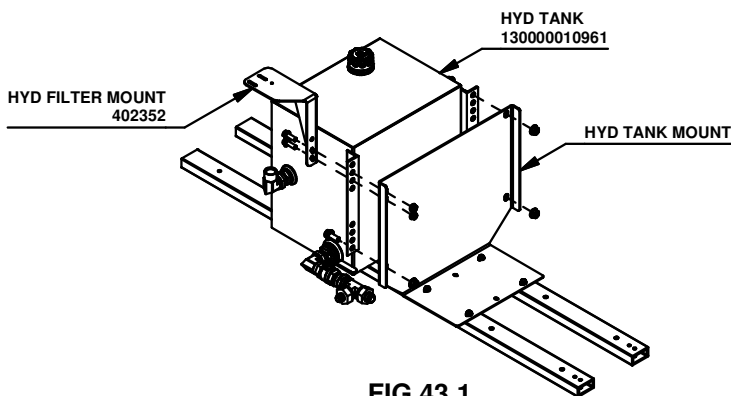


FIG 43.1

## STEP 44

- Locate **OIL FILTER PN 130000010935** & **BOLT BAG OIL FILTER PN 130000011128** in **HARDWARE BOX HYDRAULIC DRIVE**
- Assemble **OIL FILTER** to **HYD FILTER MOUNT** using (2) 5/16 x 3/4" Flange Bolt, Flat Washer & Lock Washer found in **BOLT BAG OIL FILTER**
- See **FIG 44.1** below

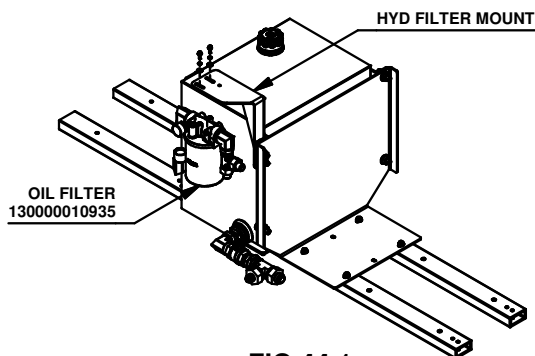


FIG 44.1

## STEP 45

- Locate **BATTERY TOP MOUNT PN 13000001924** & **BOLT BAG BATTERY PN 130000011125** in **HARDWARE BOX HYDRAULIC DRIVE**
- Assemble **BATTERY PN 13000042317** to **HYD TANK MOUNT** using **BATTERY TOP MOUNT** along with (2) 3/8 x 9" Hex Bolt, Lock Washer & Hex Nuts found in **BOLT BAG BATTERY**
- See **FIG 45.1** below

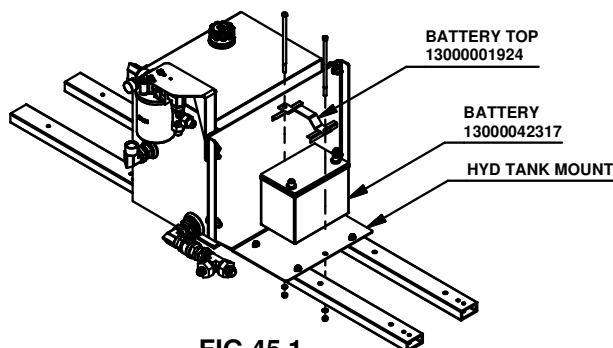
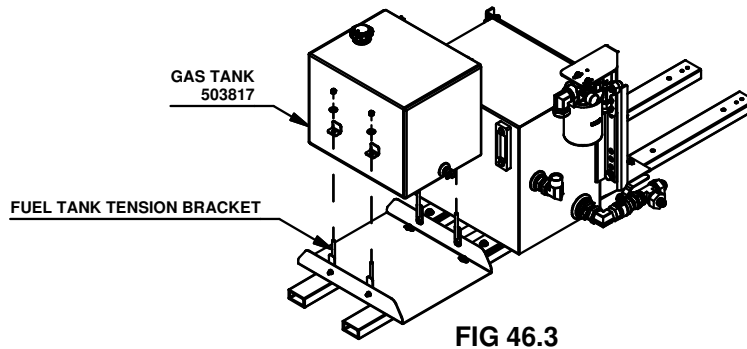
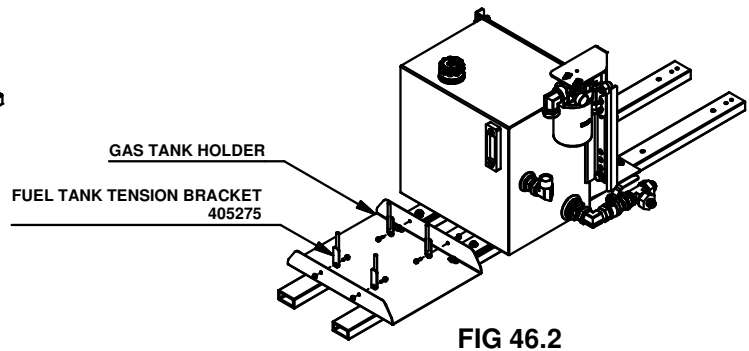
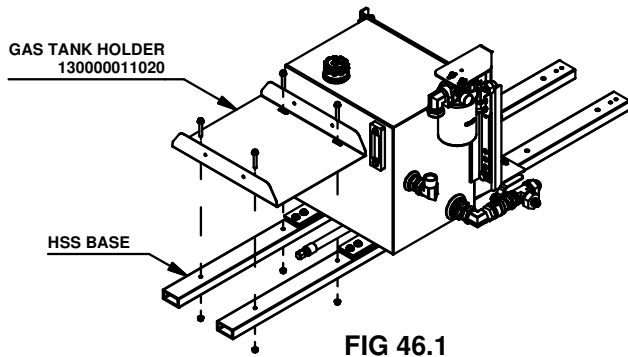


FIG 45.1

# HYDRAULIC PLATFORM

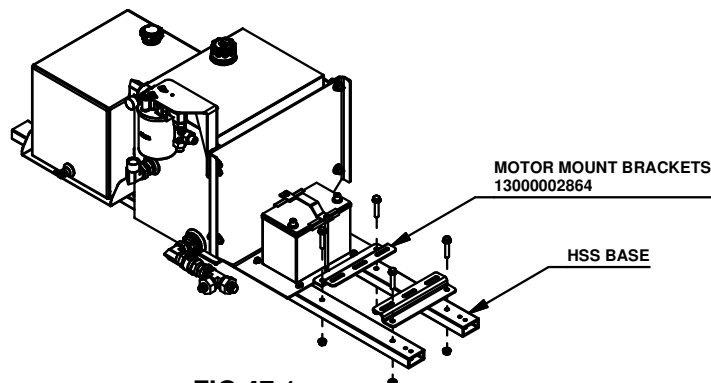
## STEP 46

- Locate **GAS TANK PN 503817**, **GAS TANK HOLDER PN 130000011020** & **BOLT BAG GAS TANK PN 130000011124** in **HARDWARE BOX HYDRAULIC DRIVE**
- Assemble **GAS TANK HOLDER** to **HSS BASE** using (4) 3/8 x 2-1/4" Flange Bolt & Nuts found in **BOLT BAG GAS TANK** as shown in **FIG 46.1** below
- Fasten (4) **FUEL TANK TENSION BRACKETS PN 405275** to **GAS TANK HOLDER** using (4) 1/4 x 3/4" Flange Bolt & Nut found in **BOLT BAG GAS TANK** as shown in **FIG 46.2** below
- Assemble **GAS TANK** to **GAS TANK HOLDER** & **FUEL TANK TENSION BRACKETS** using (4) 3/8 Flat Washer & Stover Nuts found in **BOLT BAG GAS TANK** as shown in **FIG 46.3** below



## STEP 47

- Locate (2) **MOTOR MOUNT BRACKETS PN 13000002864** in **HARDWARE BOX** & **BOLT BAG MOTOR MOUNT BRACKETS PN 130000011127** in **HARDWARE BOX HYDRAULIC DRIVE**
- Assemble (2) **MOTOR MOUNT BRACKETS** to **HSS BASE** using (4) 1/2 x 2-1/2" Flange Bolt & Nut found in **BOLT BAG MOTOR MOUNT BRACKET**
- See **FIG 47.1** below for correct orientation and hole alignment



# HYDRAULIC PLATFORM

## STEP 48

- Locate **ADAPTER PN 1830000074**, **PUMP PN 130000010936** & **BOLT BAG ADAPTER PN 130000010983** in **HARDWARE BOX HYDRAULIC DRIVE**
- Assemble **ENGINE** to **MOTOR MOUNT BRACKETS** using fasteners found in **ENGINE KIT**
- Assemble **ADAPTER** to **ENGINE** using (4) 7/16 x 1-1/2" Hex Bolt, Flat Washer & Lock Washer found in **BOLT BAG ADAPTER**
- Assemble **PUMP** to **ADAPTER** using (2) 3/8 x 1-1/4" Hex Bolt, Flat Washer & Lock Washer found in **BOLT BAG ADAPTER**
- See **FIG 48.1** below

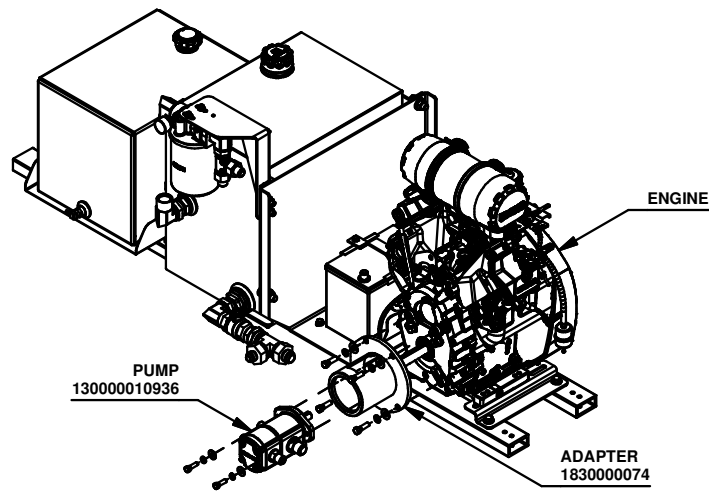


FIG 48.1

## STEP 49

- Locate **HYD VALVE PN 130000010934**, **VALVE MOUNT PN 130000011033** & **BOLT BAG VALVE PN 130000011126** in **HARDWARE BOX HYDRAULIC DRIVE**
- Assemble **VALVE MOUNT** to **HSS BASE** using (2) 3/8 x 2-1/4" Flange Bolt & Nuts found in **BOLT BAG VALVE**
- Fasten **HYD VALVE** to **VALVE MOUNT** using (2) 5/16 x 2-3/4" Hex Bolt, Flat Washer & Stover Nuts found in **BOLT BAG VALVE**
- See **FIG 49.1** below

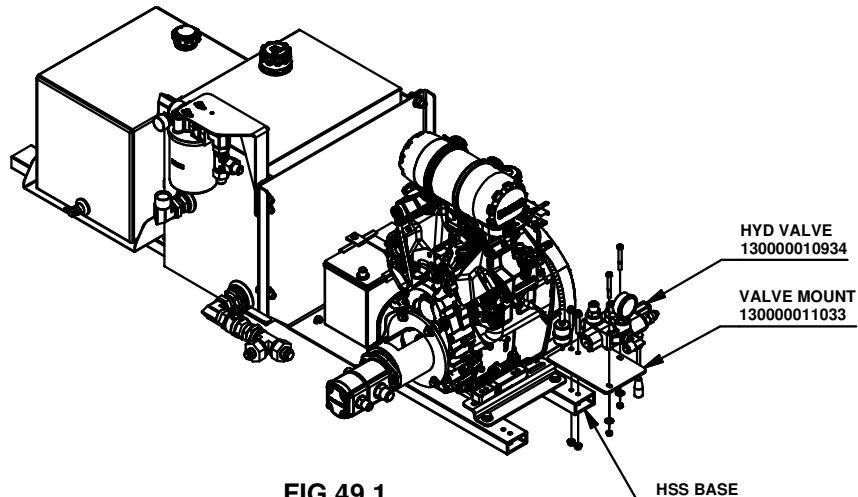
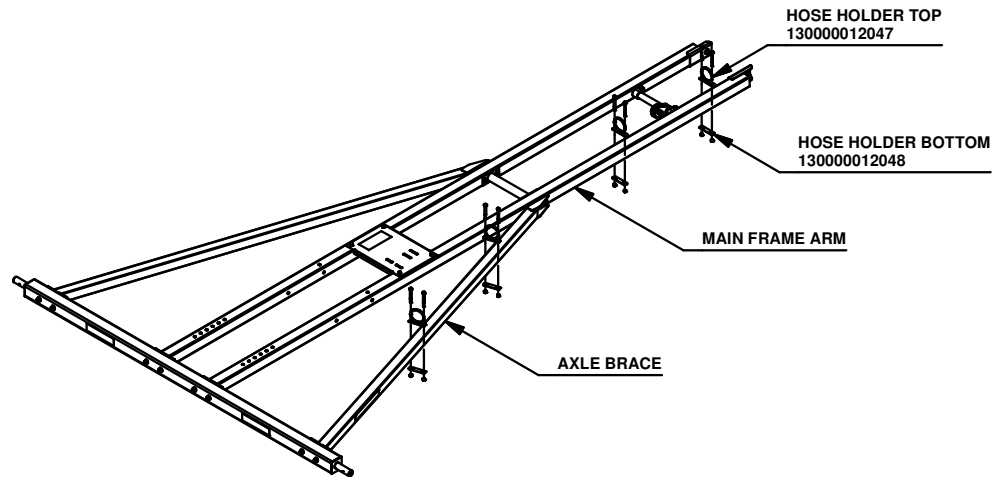


FIG 49.1

# FRAME ADD-ONS

## STEP 50

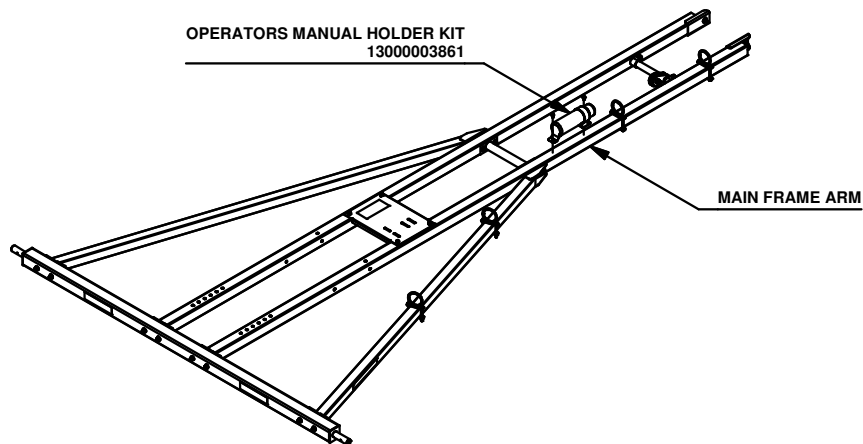
- Locate (4) **HOSE HOLDER TOPS** PN 130000012047, (4) **HOSE HOLDER BOTTOMS** PN 130000012048 & **BOLT BAG HOSE HOLDER CLAMPS** PN 130000012049 in **HARDWARE BOX HYDRAULIC DRIVE**
- Assemble **HOSE HOLDER TOP** & **HOSE HOLDER BOTTOM** to **MAIN FRAME ARM** & **AXLE BRACE** using (2) 3/8 x 3-3/4" Hex Bolt & Stover Nuts found in **BOLT BAG HOSE HOLDER CLAMPS**
- See **FIG 50.1** below for general locations for all **HOSE HOLDER TOPS & BOTTOMS**



**FIG 50.1**  
PARTS REMOVED FROM VIEW FOR CLARITY

## STEP 51

- Locate **OPERATORS MANUAL HOLDER KIT** PN 13000003861 in **HARDWARE BOX**
- Fasten **OPERATORS MANUAL HOLDER KIT** to **MAIN FRAME** using (2) 1/4 x 5/8" Self Threading Screw found in **OPERATORS MANUAL HOLDER KIT**
- See **FIG 51.1** below for general location



**FIG 51.1**  
PARTS REMOVED FROM VIEW FOR CLARITY

# HOSE SCHEMATIC

## STEP 52

- Locate **HOSE KIT PN 130000012310 FOR TL1039 OR PN 130000012304 FOR HD1046 OR PN 130000012297 FOR HD1053 OR PN 130000011133 FOR HD1059**
- Locate **HOSE PN 130000010925, HOSE PN 130000010933 & HOSE PN 130000010932** in **HARDWARE BOX HYDRAULIC DRIVE**
- Assemble **HOSES** using **FIG 52.1** below for **HOSE** locations
- Loop **HOSES** through **HOSE HOLDER CLAMPS** along **MAIN FRAME**

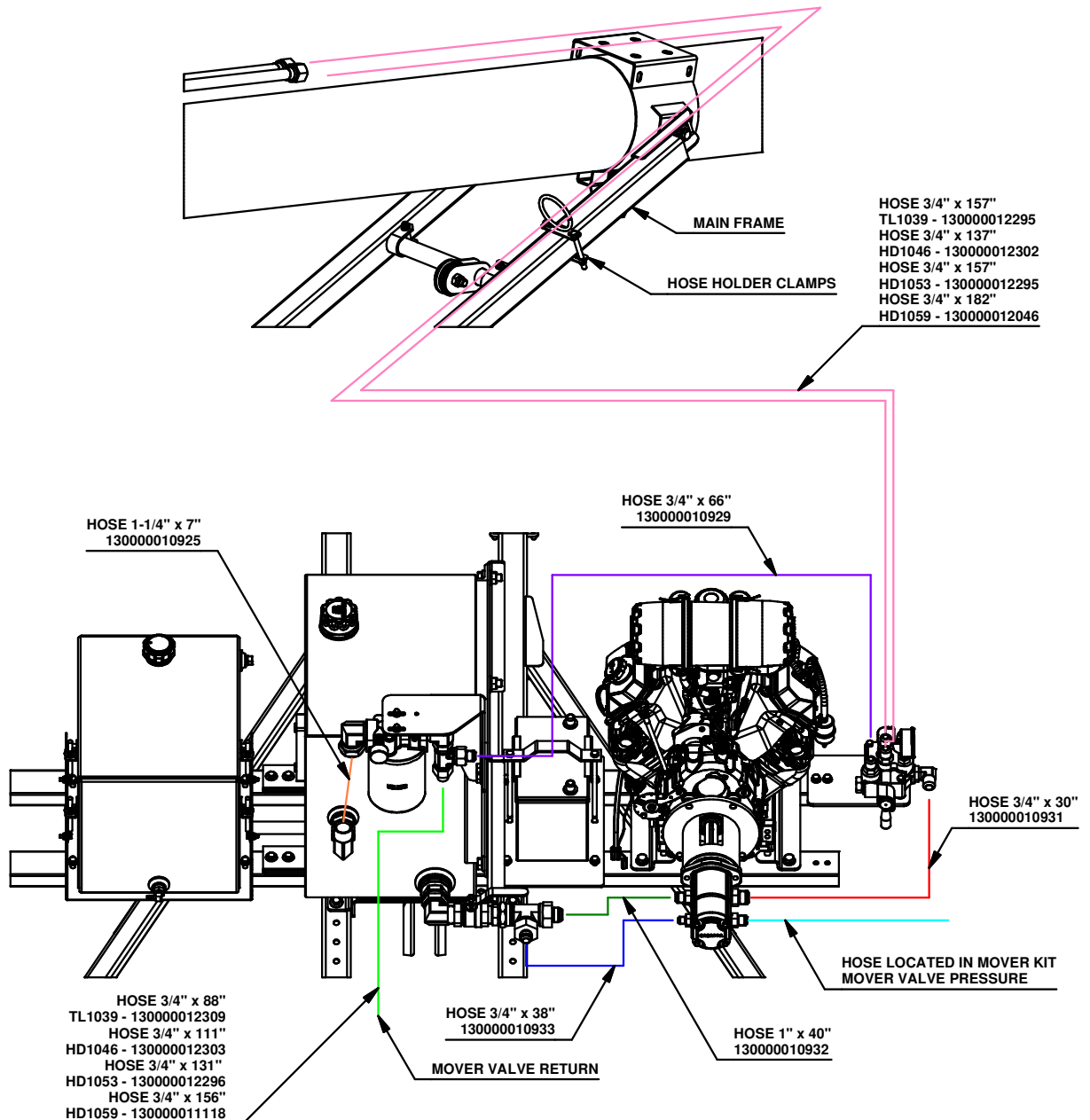
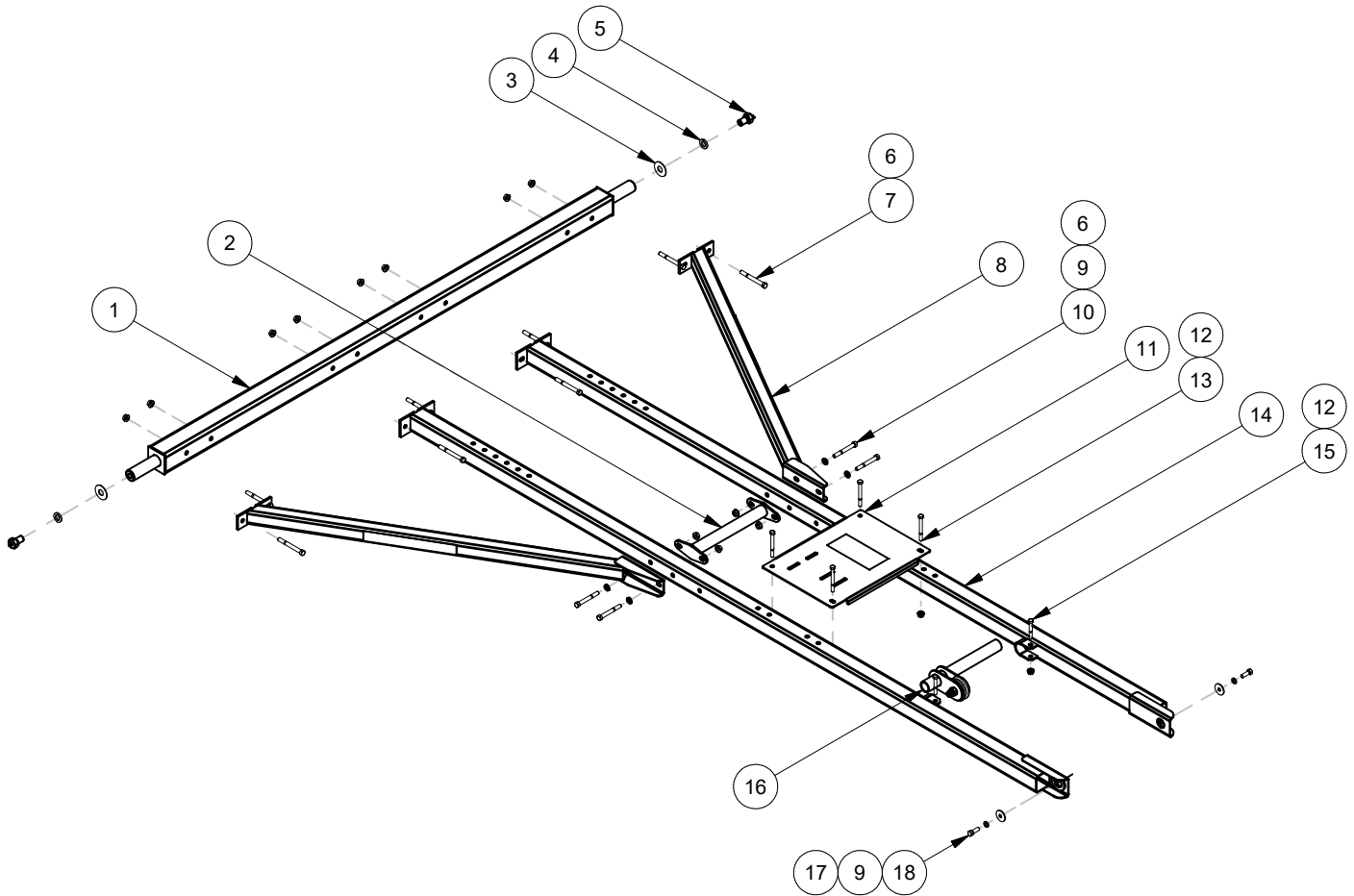


FIG 52.1

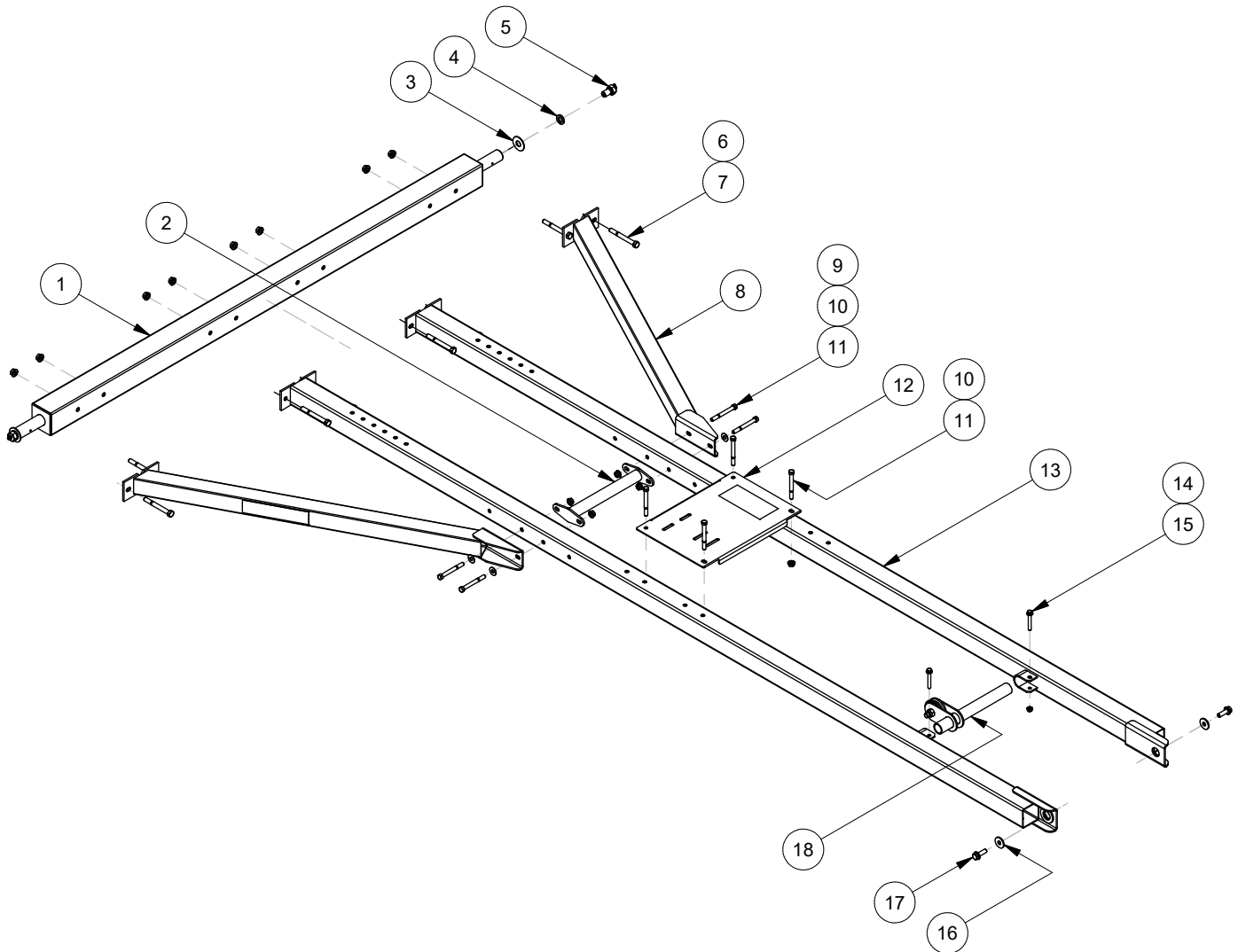
# PARTS

## TL1039 MAIN FRAME



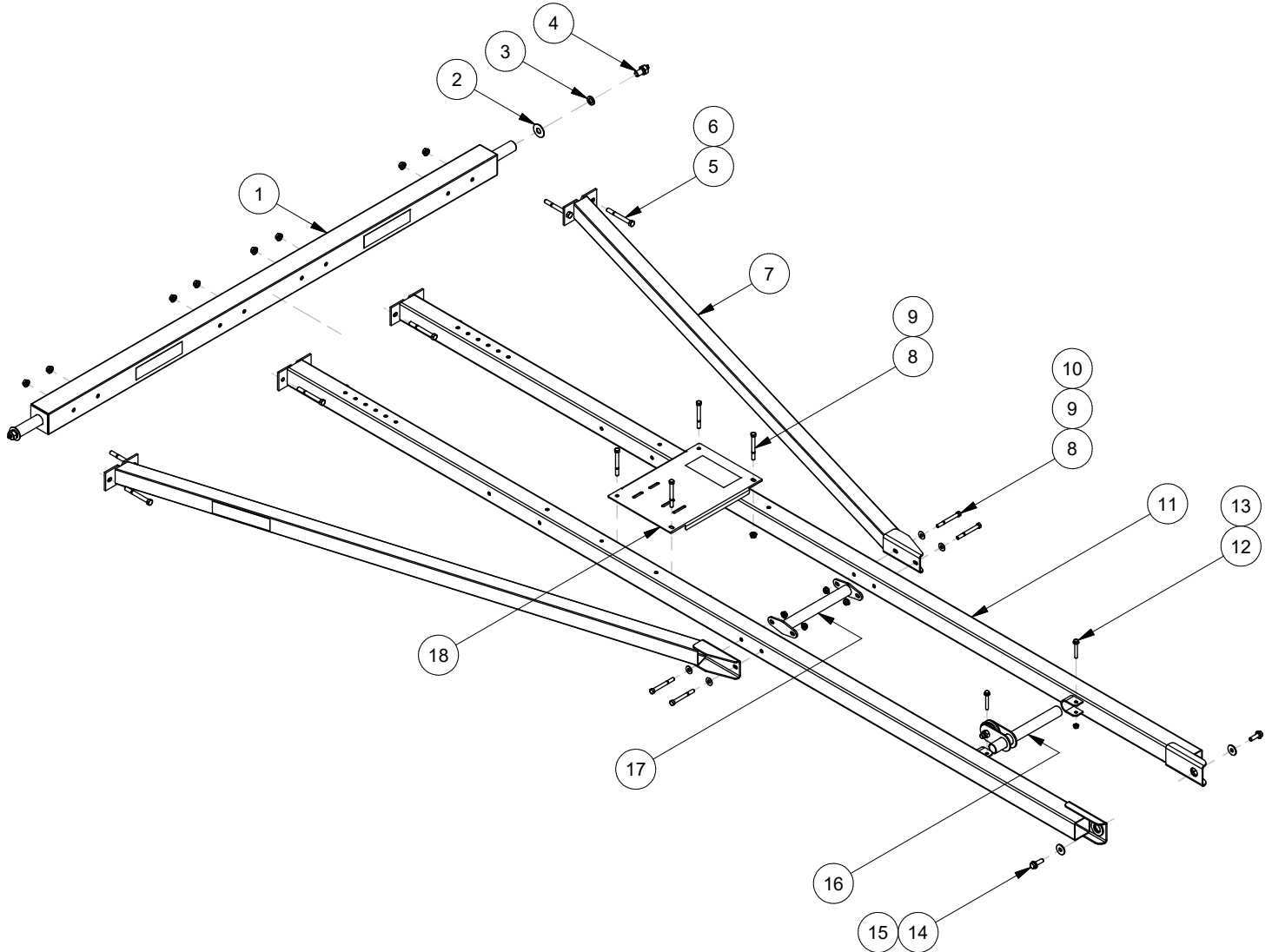
| REF # | PART #         | QUANTITY | DESCRIPTION                        |
|-------|----------------|----------|------------------------------------|
| 1     | 13000002840-00 | 1        | Axle                               |
| 2     | 13000003518-00 | 1        | Cross Brace                        |
| 3     | 13-0735-00012  | 2        | Flat Washer - 3/4"                 |
| 4     | 13073400012    | 2        | Spring Lock Washer - 3/4"          |
| 5     | 13000001926-00 | 2        | Zerk Bolt Assembly                 |
| 6     | 13073100007    | 12       | Flange Lock Nut 7/16-14 Gr 5       |
| 7     | 13070207064    | 8        | Hex Cap Screw 7/16-14 UNC - 4      |
| 8     | 13000002372-00 | 2        | Axle Brace Assembly                |
| 9     | 13073400007    | 6        | Spring Lock Washers - 7/16"        |
| 10    | 13070207056    | 4        | Hex Cap Screw 7/16-14 UNC - 3.5    |
| 11    | 13000002892-00 | 1        | Winch Base Plate                   |
| 12    | 13073100006    | 6        | Hex Flanged Nut 3/8-16 UNC         |
| 13    | 13070206056    | 4        | Hex Cap Screw 3/8-16 UNC - 3.5     |
| 14    | 13000002355-00 | 2        | Main Frame HD7/8 TL10 MRDNHVST8/10 |
| 15    | 13070206040    | 2        | Hex Cap Screw 3/8-16 UNC - 2.5     |
| 16    | 13000001524-00 | 1        | Bracket Cable Roller Assembly      |
| 17    | 13000003117-00 | 2        | Flat Washer - 7/16"                |
| 18    | 13070207020    | 2        | Hex Cap Screw 7/16-14 UNC - 1.25   |

# HD1046 MAIN FRAME



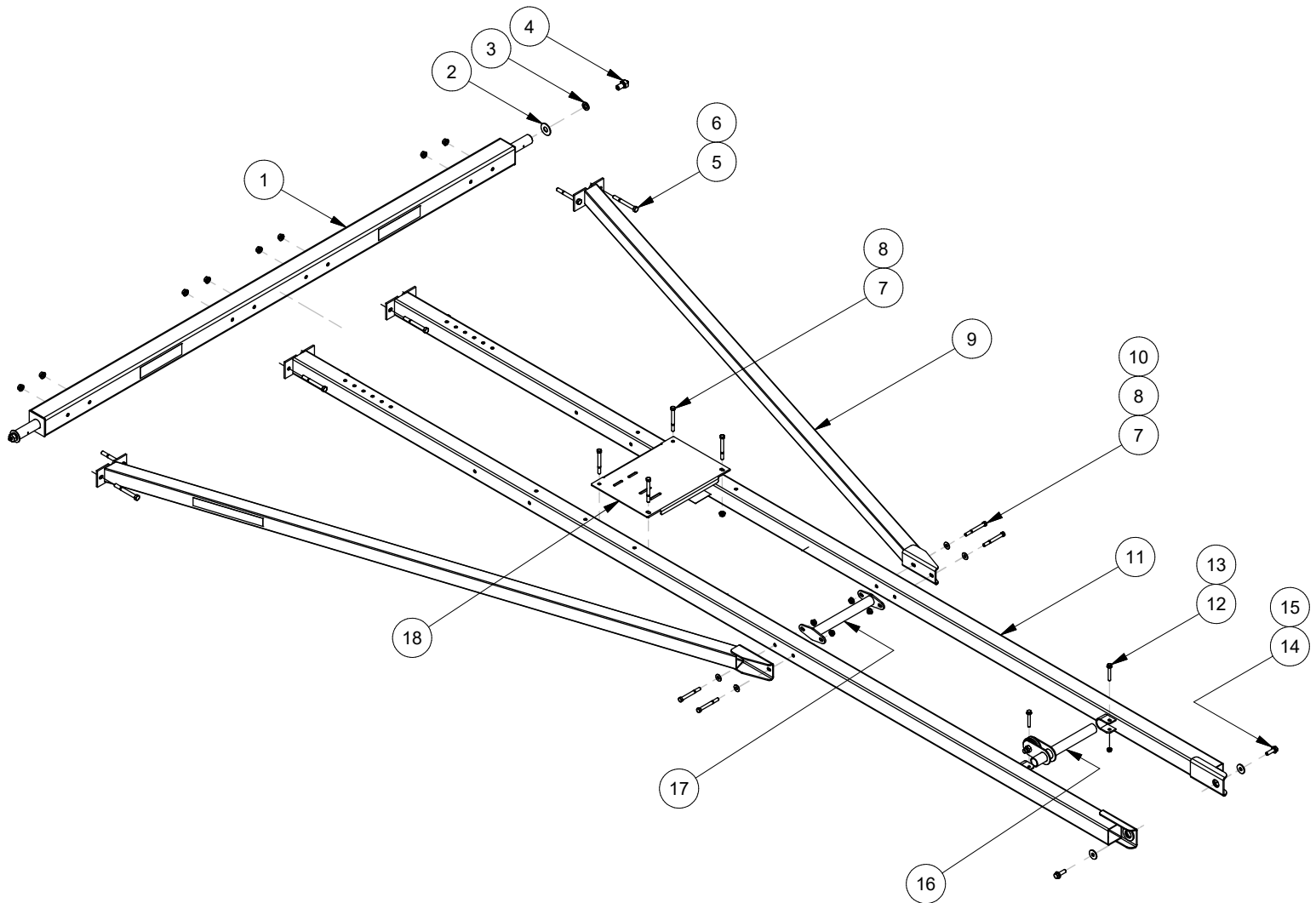
| REF # | PART #         | QUANTITY | DESCRIPTION                                  |
|-------|----------------|----------|----------------------------------------------|
| 1     | 13000002579-00 | 1        | Axle                                         |
| 2     | 13000003518-00 | 1        | Cross Brace                                  |
| 3     | 13073500012    | 2        | Flat Washer 3/4                              |
| 4     | 13073400012    | 2        | Helical Spring Lock Washers                  |
| 5     | 13000001926-00 | 2        | Zerk Bolt Assembly                           |
| 6     | 13073100008    | 8        | Flange Lock Nut 1/2-13 Gr 5                  |
| 7     | 13070208072    | 8        | Hex Cap Screw 1/2 x 4 1/2-13 Gr 5            |
| 8     | 13000002403-00 | 2        | Axle Bracket                                 |
| 9     | 13073500007    | 4        | Flat Washer 7/16                             |
| 10    | 13073100007    | 8        | Flange Lock Nut 7/16-14 Gr 5                 |
| 11    | 13070207064    | 8        | Hex Cap Screw 7/16 x 4-14 Gr 5               |
| 12    | 13000001523-00 | 1        | Winch Plate                                  |
| 13    | 13000002580-00 | 2        | Frame Main                                   |
| 14    | 13073100006    | 2        | NUT, HEX, FLANGED, Steel, Mild 3/8-16 UNC    |
| 15    | 3071604062     | 2        | Bolt Bin 3/8-16 UNC X 2.5 Gr 8.2 LDPE Washer |
| 16    | 13000003121-00 | 2        | Flat Washer                                  |
| 17    | 13071208024    | 2        | Flange Lock Bolt 1/2 x 1 1/2-13 Gr 5         |
| 18    | 13000001524-00 | 1        | Bracket Cable Roller Assembly                |

# HD1053 MAIN FRAME



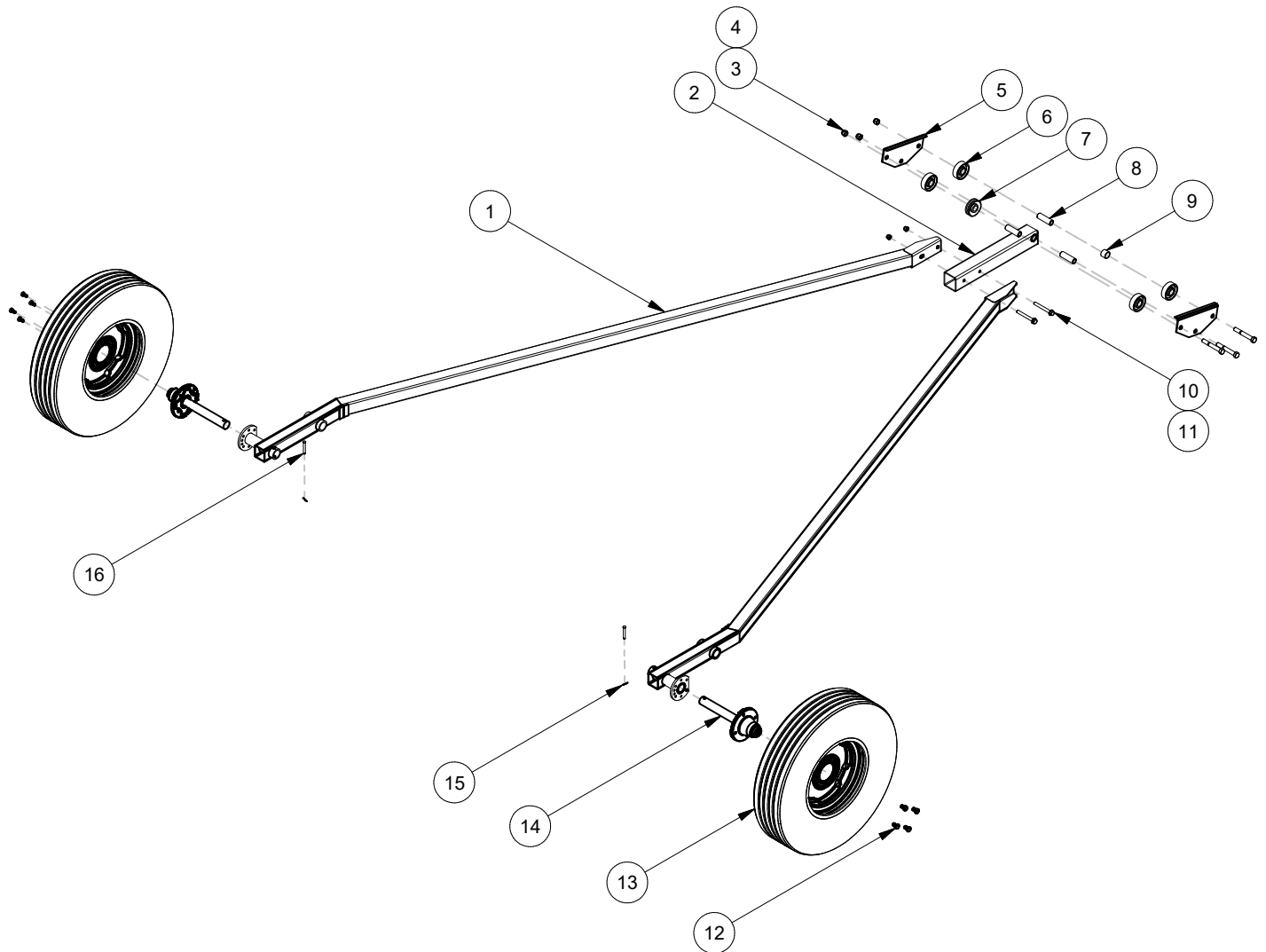
| REF # | PART #         | QUANTITY | DESCRIPTION                                      |
|-------|----------------|----------|--------------------------------------------------|
| 1     | 13000002020-00 | 1        | Main Frame Axle                                  |
| 2     | 13073500012    | 2        | Flat Washer 3/4                                  |
| 3     | 13073400012    | 2        | Helical Spring Lock Washers                      |
| 4     | 13000001926-00 | 2        | Zerk Bolt Assembly                               |
| 5     | 13070208072    | 8        | Hex Cap Screw 1/2 x 4 1/2-13 Gr 5                |
| 6     | 13073100008    | 8        | Flange Lock Nut 1/2-13 Gr 5                      |
| 7     | 13000002404-00 | 2        | Axle Bracket                                     |
| 8     | 13070207064    | 8        | Hex Cap Screw 7/16 x 4-14 Gr 5                   |
| 9     | 13073100007    | 8        | Flange Lock Nut 7/16-14 Gr 5                     |
| 10    | 13073500007    | 4        | Flat Washer 7/16                                 |
| 11    | 13000002581-00 | 2        | Frame Main                                       |
| 12    | 13071206040    | 2        | BOLT, HEX, FLANGED, Steel, Mild 3/8-16 UNC X 2.5 |
| 13    | 13073100006    | 2        | NUT, HEX, FLANGED, Steel, Mild 3/8-16 UNC        |
| 14    | 13071208024    | 2        | Flange Lock Bolt 1/2 x 1 1/2-13 Gr 5             |
| 15    | 13000003121-00 | 2        | Flat Washer                                      |
| 16    | 13000001524-00 | 1        | Bracket Cable Roller Assembly                    |
| 17    | 13000003518-00 | 1        | Cross Brace                                      |
| 18    | 13000001523-00 | 1        | Winch Plate                                      |

# HD1059 MAIN FRAME



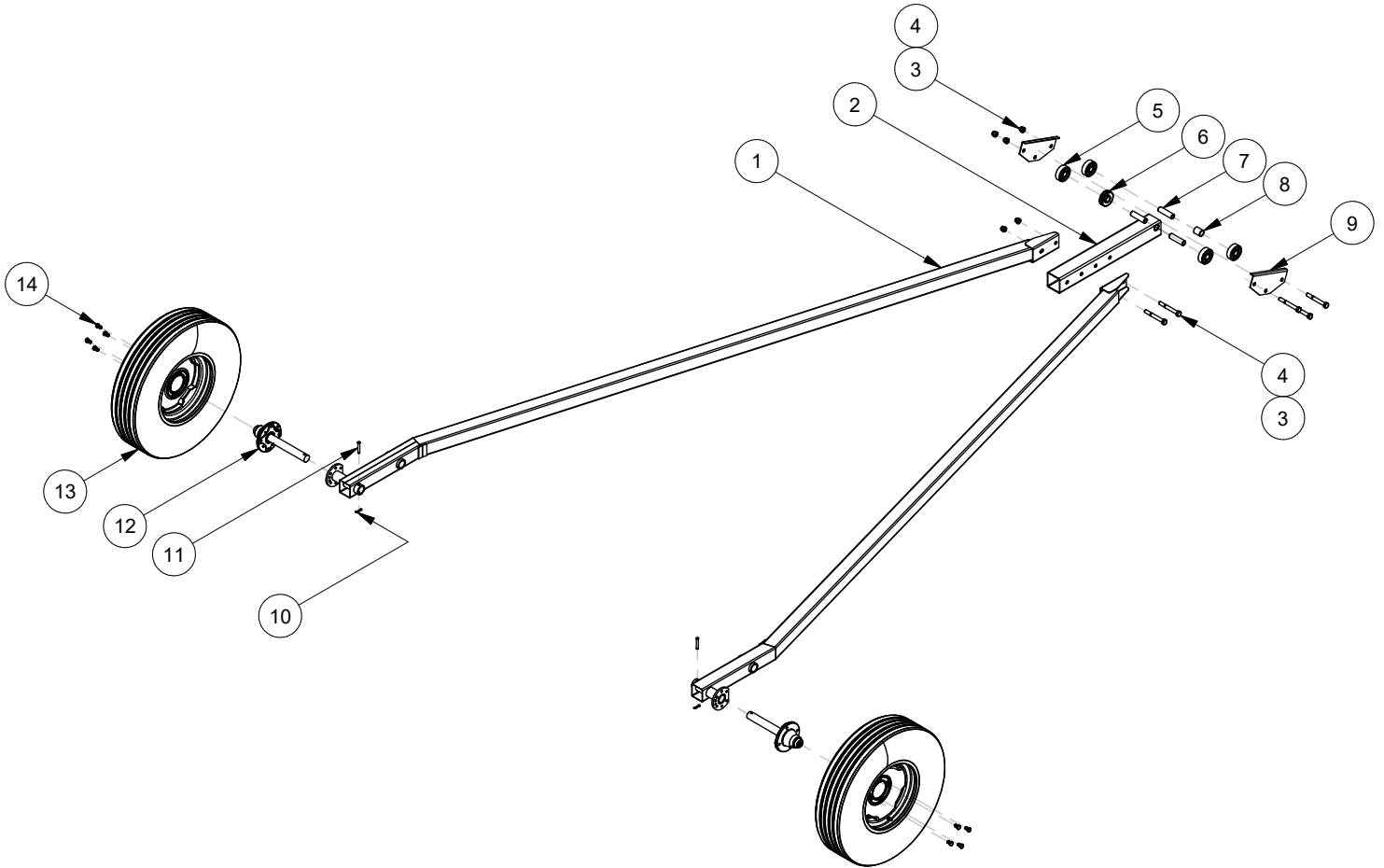
| REF # | PART #         | QUANTITY | DESCRIPTION                                      |
|-------|----------------|----------|--------------------------------------------------|
| 1     | 13000002021-00 | 1        | Main Axle Frame                                  |
| 2     | 13073500012    | 2        | Flat Washer 3/4                                  |
| 3     | 13073400012    | 2        | Helical Spring Lock Washers                      |
| 4     | 13000001926-00 | 2        | Zerk Bolt Assembly                               |
| 5     | 13070208072    | 8        | Hex Cap Screw 1/2 x 4 1/2-13 Gr 5                |
| 6     | 13073100008    | 8        | Flange Lock Nut 1/2-13 Gr 5                      |
| 7     | 13070207064    | 8        | Hex Cap Screw 7/16 x 4-14 Gr 5                   |
| 8     | 13073100007    | 8        | Flange Lock Nut 7/16-14 Gr 5                     |
| 9     | 13000002405-00 | 2        | Axle Brace                                       |
| 10    | 13073500007    | 4        | Flat Washer 7/16                                 |
| 11    | 13000002582-00 | 2        | Frame Main                                       |
| 12    | 13071206040    | 2        | BOLT, HEX, FLANGED, Steel, Mild 3/8-16 UNC X 2.5 |
| 13    | 13073100006    | 2        | NUT, HEX, FLANGED, Steel, Mild 3/8-16 UNC        |
| 14    | 13071208024    | 2        | Flange Lock Bolt 1/2 x 1 1/2-13 Gr 5             |
| 15    | 13000003121-00 | 2        | Flat Washer                                      |
| 16    | 13000001524-00 | 1        | Bracket Cable Roller Assembly                    |
| 17    | 13000003518-00 | 1        | Cross Brace                                      |
| 18    | 13000001523-00 | 1        | Winch Plate                                      |

# TL1039 A FRAME



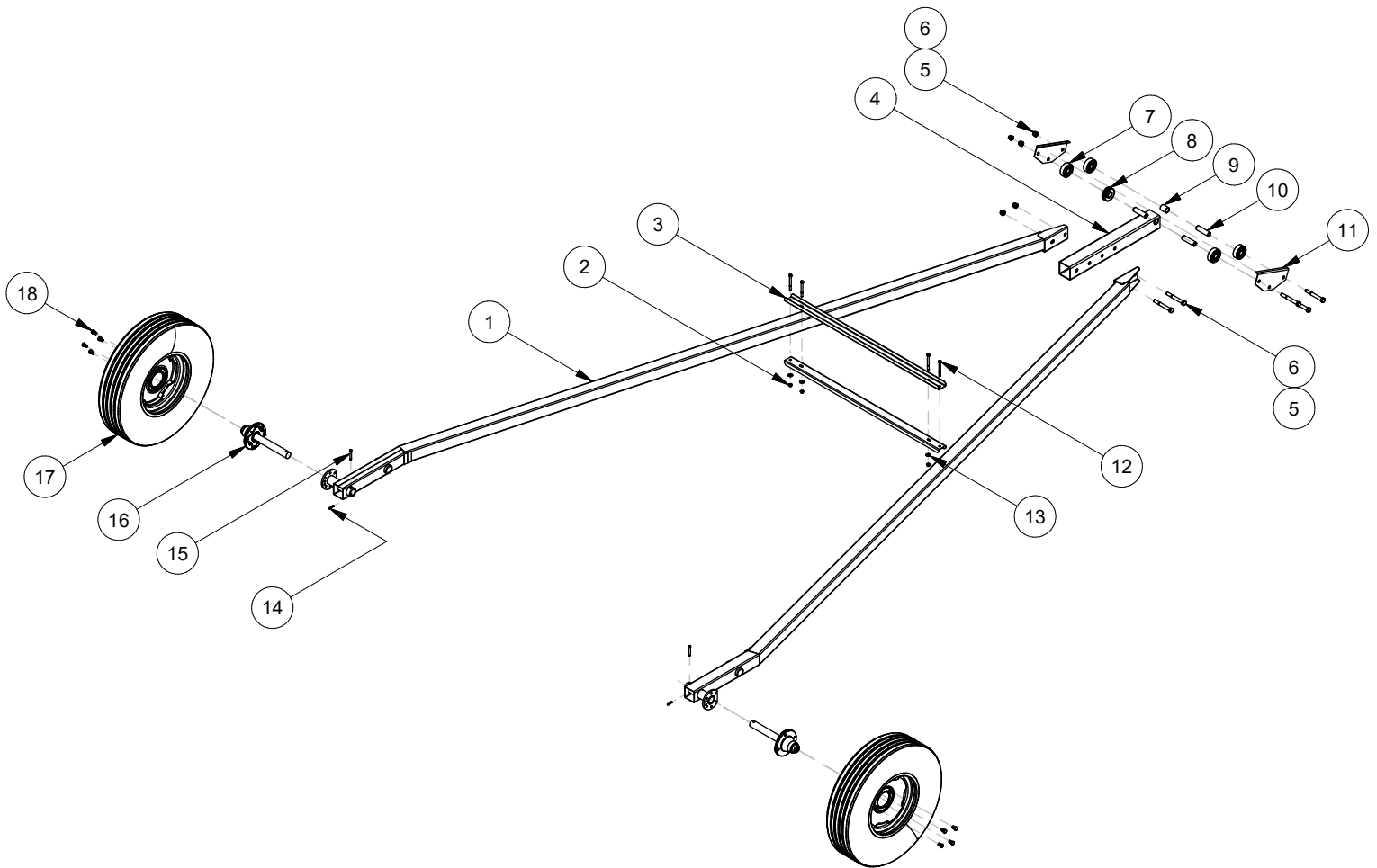
| REF # | PART #         | QUANTITY | DESCRIPTION                                         |
|-------|----------------|----------|-----------------------------------------------------|
| 1     | 13000005223-00 | 2        | Frame A                                             |
| 2     | 13000005026-00 | 1        | Goose Neck                                          |
| 3     | 13072900010    | 3        | Nylon Locknut 5/8-11 Gr 5                           |
| 4     | 13070210072    | 3        | Hex Cap Screw 5/8 x 4 1/2-11 Gr 5                   |
| 5     | 13000001366-00 | 2        | Trolley Guide                                       |
| 6     | 13000001016-00 | 4        | Track Roller                                        |
| 7     | 13000001017-00 | 1        | Cable Roller                                        |
| 8     | 13000001364-00 | 3        | Trolley Bearing                                     |
| 9     | 13000001365-00 | 1        | Spacer - Track Roller                               |
| 10    | 13071208064    | 2        | BOLT, HEX, FLANGED, Steel, Mild 1/2-13 UNC X 4      |
| 11    | 13072900008    | 2        | Nylon Locknut 1/2-13 Gr 5                           |
| 12    | 13000001012-00 | 8        | 1/2" x 7/8" Wheel Stud                              |
| 13    | 13000005404-00 | 2        | Tire ST225/75R15 c/w 4 Blt Rim HD Belt Drive Augers |
| 14    | 2553-00        | 2        | Hub c/w Spindle & Bearing                           |
| 15    | 13-0737-04032  | 2        | Cotter Pin 1/8 x 1"                                 |
| 16    | 13000001387-00 | 2        | Clevis Pin 3/8 x 2-3/8                              |

# HD1046 A FRAME



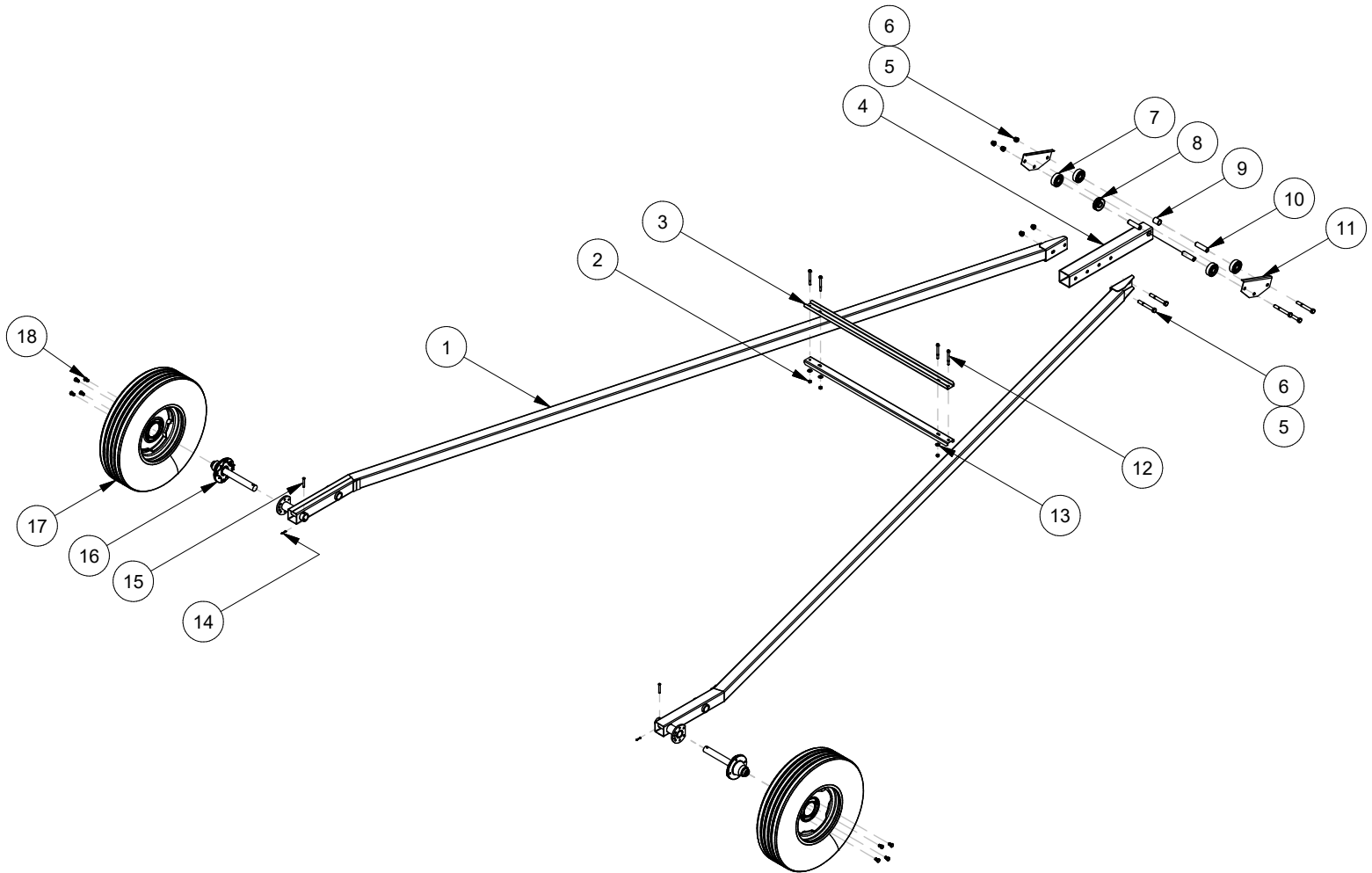
| REF # | PART #         | QUANTITY | DESCRIPTION                                         |
|-------|----------------|----------|-----------------------------------------------------|
| 1     | 13000005326-00 | 2        | A-Frame                                             |
| 2     | 13000005329-00 | 1        | Gooseneck                                           |
| 3     | 13072900010    | 5        | Nylon Locknut 5/8-11 Gr 5                           |
| 4     | 13070210080    | 5        | Hex Cap Screw 5/8 x 5-11 Gr 5                       |
| 5     | 13000001016-00 | 4        | Track Roller                                        |
| 6     | 13000001017-00 | 1        | Cable Roller                                        |
| 7     | 13000001614-00 | 3        | Bushing - Trolley                                   |
| 8     | 13000001615-00 | 1        | Track Roller Spacer                                 |
| 9     | 13000001366-00 | 2        | Trolley Guide                                       |
| 10    | 13073705032    | 2        | PIN, COTTER 5/32 x 1 Extended Prong Square Cut Type |
| 11    | 13000001387-00 | 2        | Clevis Pin 3/8 x 2-3/8                              |
| 12    | 2553-00        | 2        | Hub c/w Spindle & Bearing                           |
| 13    | 13000005404-00 | 2        | Tire ST225/75R15 c/w 4 Blt Rim HD Belt Drive Augers |
| 14    | 13000001012-00 | 8        | 1/2" x 7/8" Wheel Stud                              |

# HD1053 A FRAME



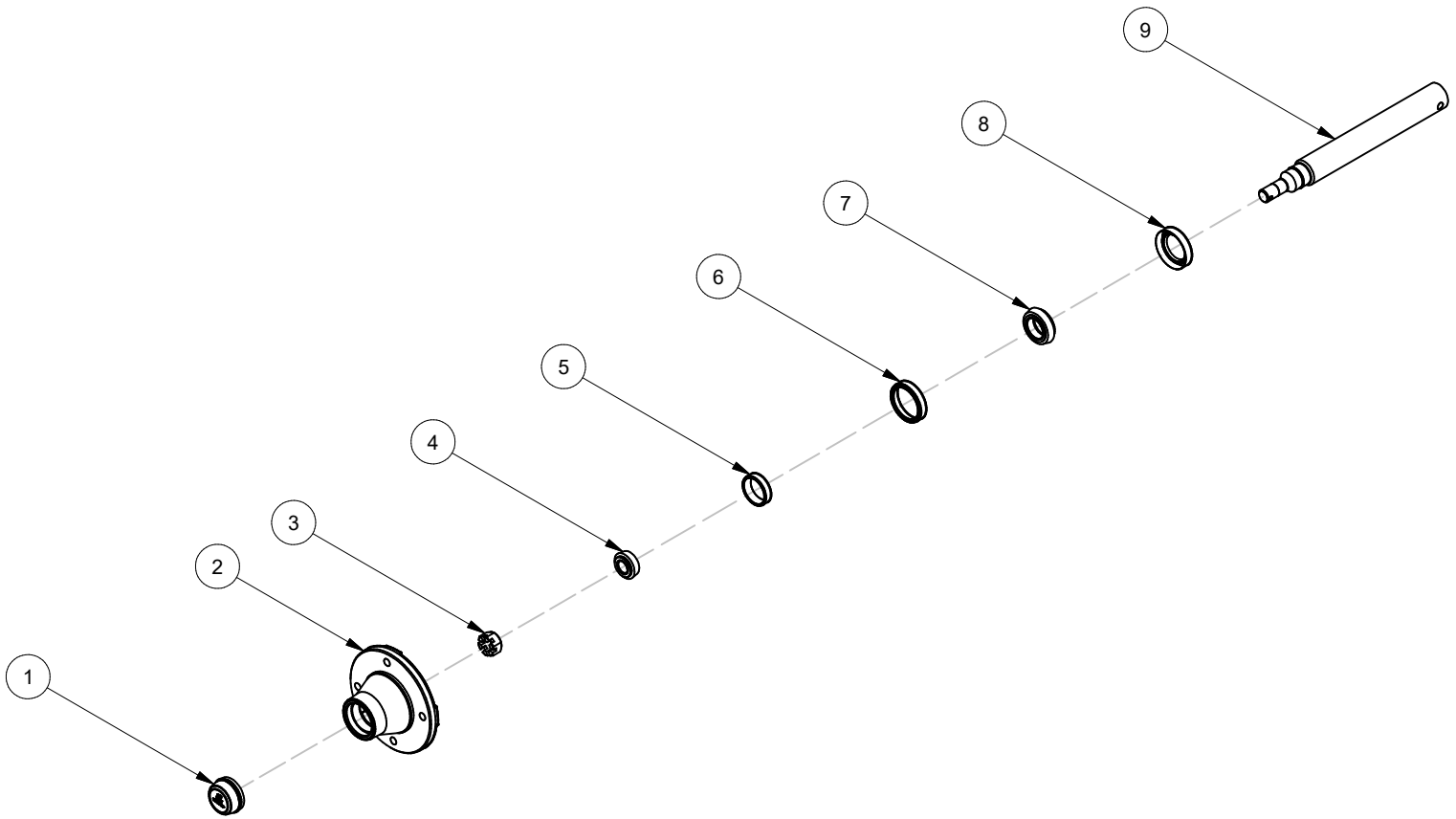
| REF # | PART #         | QUANTITY | DESCRIPTION                                         |
|-------|----------------|----------|-----------------------------------------------------|
| 1     | 13000005327-00 | 2        | A-Frame - HD10-53                                   |
| 2     | 13073100006    | 4        | NUT, FLANGE, LOCK 3/8-16                            |
| 3     | 13000001367-00 | 2        | Bracket Cross                                       |
| 4     | 13000005329-00 | 1        | Gooseneck                                           |
| 5     | 13072900010    | 5        | Nylon Locknut 5/8-11 Gr 5                           |
| 6     | 13070210080    | 5        | Hex Cap Screw 5/8 x 5-11 Gr 5                       |
| 7     | 13000001016-00 | 4        | Track Roller                                        |
| 8     | 13000001017-00 | 1        | Cable Roller                                        |
| 9     | 13000001615-00 | 1        | Track Roller Spacer                                 |
| 10    | 13000001614-00 | 3        | Bushing - Trolley                                   |
| 11    | 13000001366-00 | 2        | Trolley Guide                                       |
| 12    | 13070206060    | 4        | Hex Cap Screw 3/8 x 3 3/4-16 Gr 5                   |
| 13    | 13073500006    | 4        | Flat Washer 3/8                                     |
| 14    | 13073705032    | 4        | PIN, COTTER 5/32 x 1 Extended Prong Square Cut Type |
| 15    | 13000001387-00 | 2        | Clevis Pin 3/8 x 2-3/8                              |
| 16    | 2553-00        | 2        | Hub c/w Spindle & Bearing                           |
| 17    | 13000005404-00 | 2        | Tire ST225/75R15 c/w 4 Blt Rim HD Belt Drive Augers |
| 18    | 13000001012-00 | 8        | 1/2" x 7/8" Wheel Stud                              |

# HD1059 A FRAME



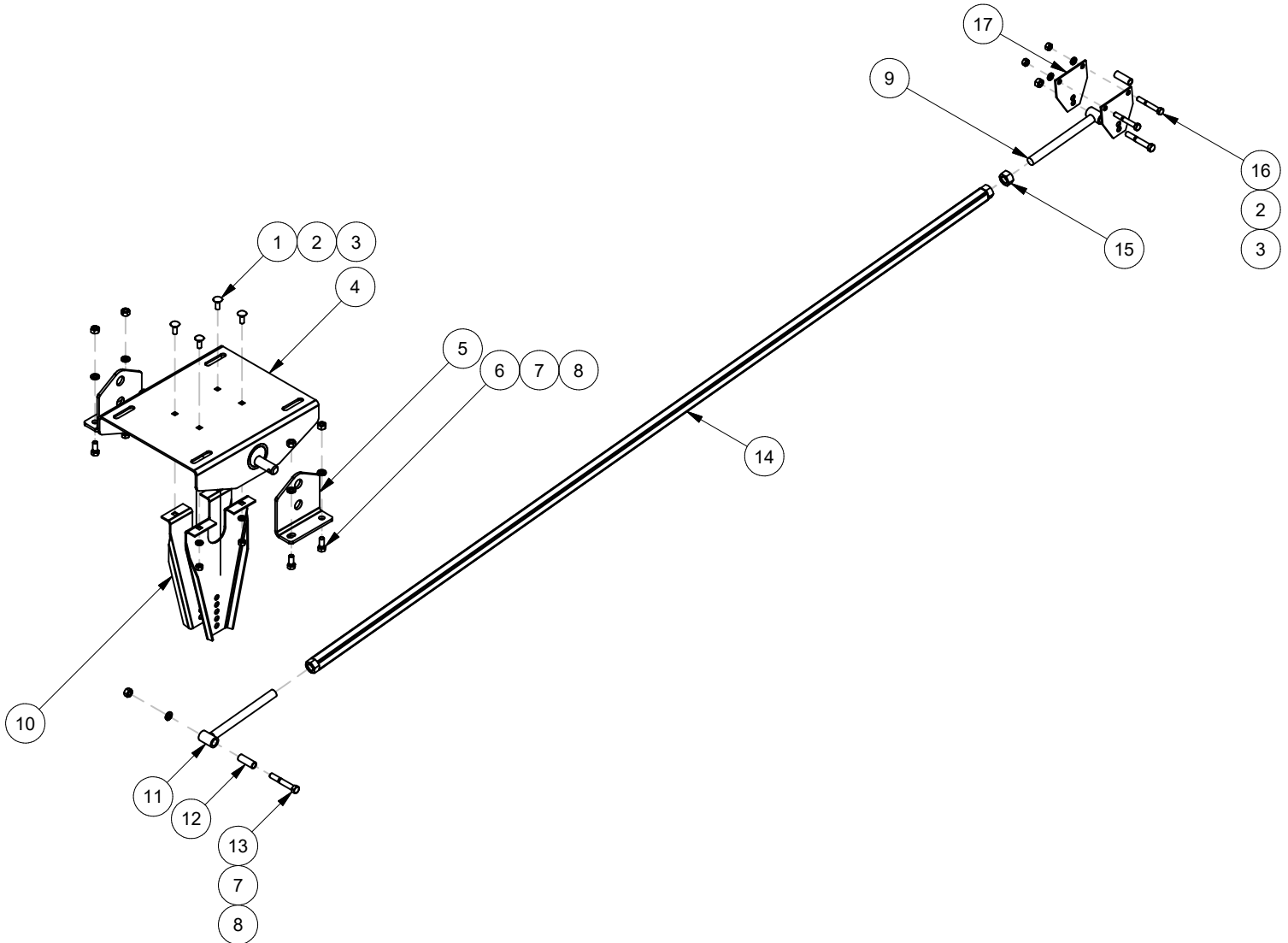
| REF # | PART #         | QUANTITY | DESCRIPTION                                         |
|-------|----------------|----------|-----------------------------------------------------|
| 1     | 13000005328-00 | 2        | A-Frame - HD-59                                     |
| 2     | 13073100006    | 4        | NUT, FLANGE, LOCK 3/8-16                            |
| 3     | 13000001367-00 | 2        | Bracket Cross                                       |
| 4     | 13000005329-00 | 1        | Gooseneck                                           |
| 5     | 13072900010    | 5        | Nylon Locknut 5/8-11 Gr 5                           |
| 6     | 13070210080    | 5        | Hex Cap Screw 5/8 x 5-11 Gr 5                       |
| 7     | 13000001016-00 | 4        | Track Roller                                        |
| 8     | 13000001017-00 | 1        | Cable Roller                                        |
| 9     | 13000001615-00 | 1        | Track Roller Spacer                                 |
| 10    | 13000001614-00 | 3        | Bushing - Trolley                                   |
| 11    | 13000001366-00 | 2        | Trolley Guide                                       |
| 12    | 13070206060    | 4        | Hex Cap Screw 3/8 x 3 3/4-16 Gr 5                   |
| 13    | 13073500006    | 4        | Flat Washer 3/8                                     |
| 14    | 13073705032    | 4        | PIN, COTTER 5/32 x 1 Extended Prong Square Cut Type |
| 15    | 13000001387-00 | 2        | Clevis Pin 3/8 x 2-3/8                              |
| 16    | 2553-00        | 2        | Hub c/w Spindle & Bearing                           |
| 17    | 13000005404-00 | 2        | Tire ST225/75R15 c/w 4 Blt Rim HD Belt Drive Augers |
| 18    | 13000001012-00 | 8        | 1/2" x 7/8" Wheel Stud                              |

## HUB &amp; SPINDLE



| REF # | PART #         | QUANTITY | DESCRIPTION                          |
|-------|----------------|----------|--------------------------------------|
| 1     | 13000001011-00 | 1        | Dust Cap                             |
| 2     | 13000001007-00 | 1        | Hub c/w Cups                         |
| 3     | 13000001010-00 | 1        | 3/4" Castlited Nut                   |
| 4     | 13000001009-00 | 1        | Tappered Roller Bearing Cup (Outer)  |
| 5     | 13000001008-00 | 1        | Tappered Roller Bearing Cone (Outer) |
| 6     | 13000001006-00 | 1        | Tappered Roller Bearing Cup (Inner)  |
| 7     | 13000001005-00 | 1        | Tapered Roller Bearing Cone (Outer)  |
| 8     | 13000001004-00 | 1        | Grease Seal                          |
| 9     | 13000001670-00 | 1        | 1 1/2" x 13" Spindle                 |

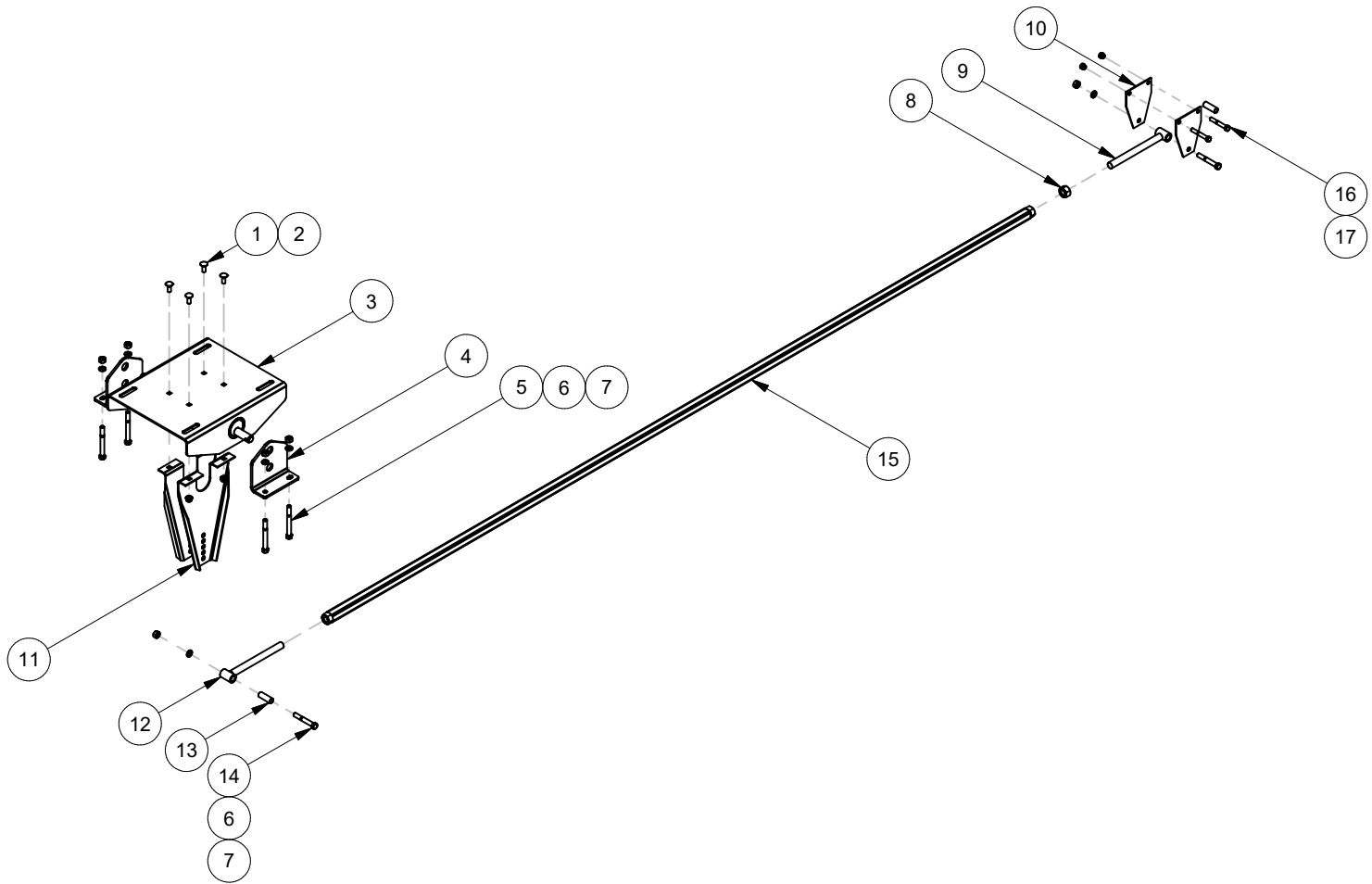
# TL10 MOTOR MOUNT ASSEMBLY



| REF # | PART #          | QUANTITY | DESCRIPTION                              |
|-------|-----------------|----------|------------------------------------------|
| 1     | 13070906016     | 4        | Carriage Bolt 3/8 x 1-16                 |
| 2     | 13073400006     | 6        | Spring Lock Washer 3/8                   |
| 3     | 13-0725-00006   | 6        | Hex Nut 3/8 -16                          |
| 4     | 130000011009-00 | 1        | Motor Mount Base MRDN/HVST HD/TL10       |
| 5     | 13000001449-00  | 2        | Pivot Bracket                            |
| 6     | 13070207016     | 4        | Hex Cap Screw 7/16 x 1                   |
| 7     | 13073400007     | 6        | Spring Lock Washer 7/16                  |
| 8     | 13-0725-00007   | 6        | Hex Nut 7/16                             |
| 9     | 13000001114-00  | 1        | Screw Upper Leveling Bar Adjustable - RH |
| 10    | 13000001590-00  | 2        | Lower Leveling Bar Bracket               |
| 11    | 13000001107-00  | 1        | Screw Leveling Bar Adjustable - LH       |
| 12    | 13000001106-00  | 2        | Leveling Bar Bushing                     |
| 13    | 13070207048     | 2        | Hex Cap Screw 7/16 x 3-14                |
| 14    | 13000001450-00  | 1        | Leveling Bar - TL10-39                   |
| 15    | 13-0725-00012   | 1        | Hex Nut 3/4 - 10                         |
| 16    | 13070206044     | 2        | Hex Cap Screw 3/8 x 2-3/4-16             |
| 17    | 13000001115-00  | 2        | Upper Leveling Bar Bracket               |

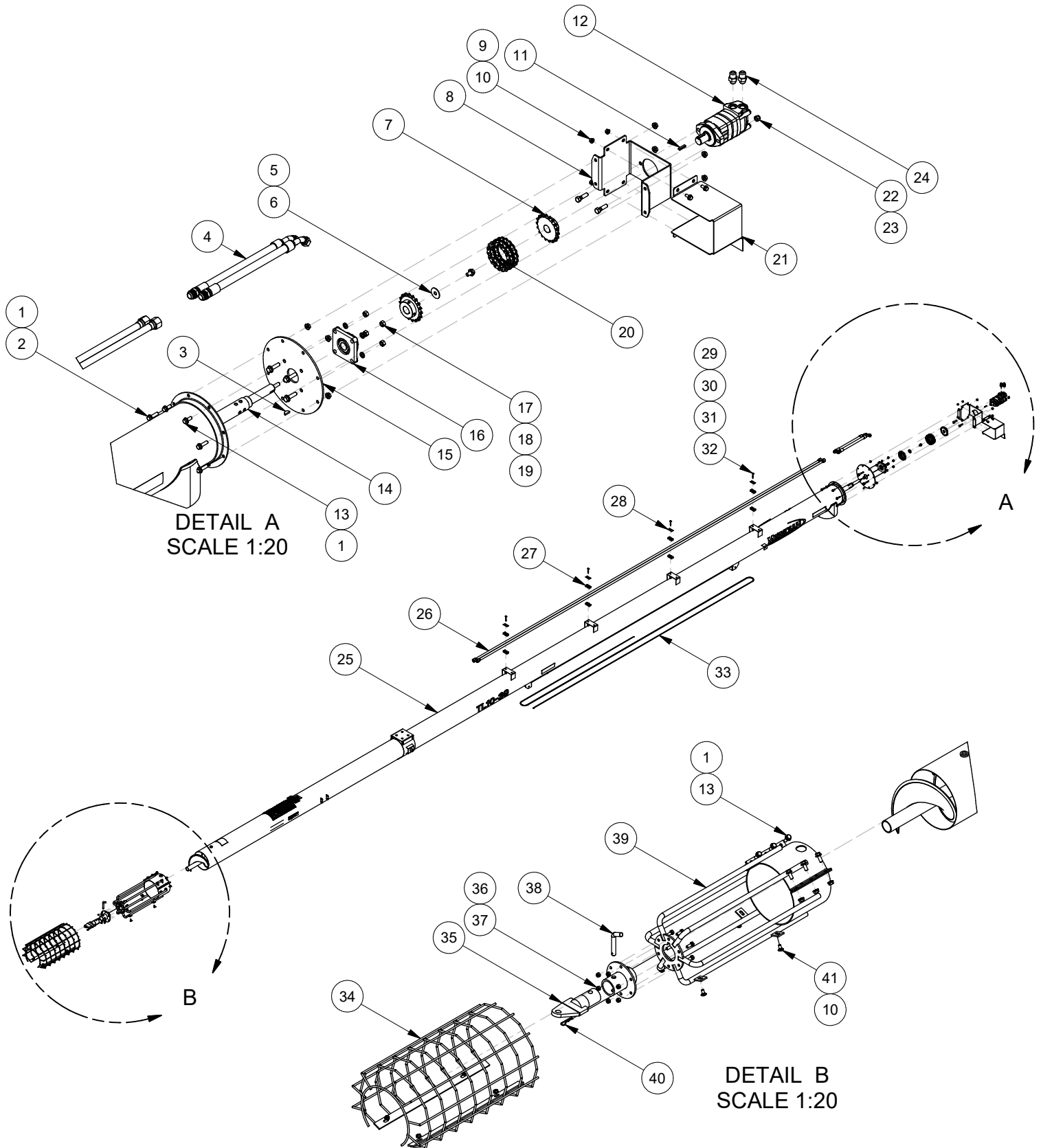
# PARTS

## HD10 MOTOR MOUNT ASSEMBLY

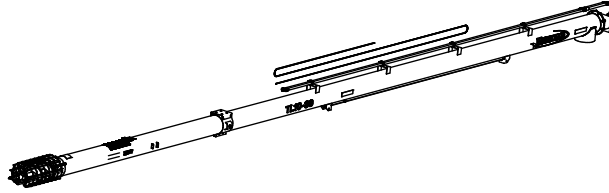


| REF # | PART #          | QUANTITY | DESCRIPTION                              |
|-------|-----------------|----------|------------------------------------------|
| 1     | 13070906016     | 4        | Carriage Bolt 3/8-16 UNC - 1             |
| 2     | 13-0731-00006   | 4        | Flange Nut 3/8-16 UNC                    |
| 3     | 130000011009-00 | 1        | Motor Mount Base MRDN/HVST HD/TL10       |
| 4     | 13000001588-00  | 2        | Pivot Bracket                            |
| 5     | 13070207064     | 4        | Hex Cap Screw 7/16-14 UNC - 4            |
| 6     | 13073400007     | 6        | Spring Lock Washer 7/16                  |
| 7     | 13-0725-00007   | 6        | Hex Nut 7/16-14                          |
| 8     | 13-0725-00012   | 1        | Hex Nut 3/4-10                           |
| 9     | 13000001114-00  | 1        | Screw Upper Leveling Bar Adjustable - RH |
| 10    | 13000003106-00  | 2        | Upper Leveling Bracket                   |
| 11    | 13000001590-00  | 2        | Lower Leveling Bar Bracket               |
| 12    | 13000001107-00  | 1        | Screw Leveling Bar Adjustable - LH       |
| 13    | 13000001106-00  | 2        | Leveling Bar Bushing                     |
| 14    | 13070207048     | 2        | Hex Cap Screw 7/16-14 UNC - 3            |
| 15    | 13000001451-00  | 1        | Leveling Bar - HD10-46                   |
| 15    | 13000001452-00  | 1        | Leveling Bar - HD10-53                   |
| 15    | 13000001453-00  | 1        | Leveling Bar - HD10-59                   |
| 16    | 13070206040     | 2        | Hex Cap Screw 3/8-16 UNC - 2.5           |
| 17    | 13072900006     | 2        | Nylon Locknut 3/8-16                     |

## TL1039 TUBES

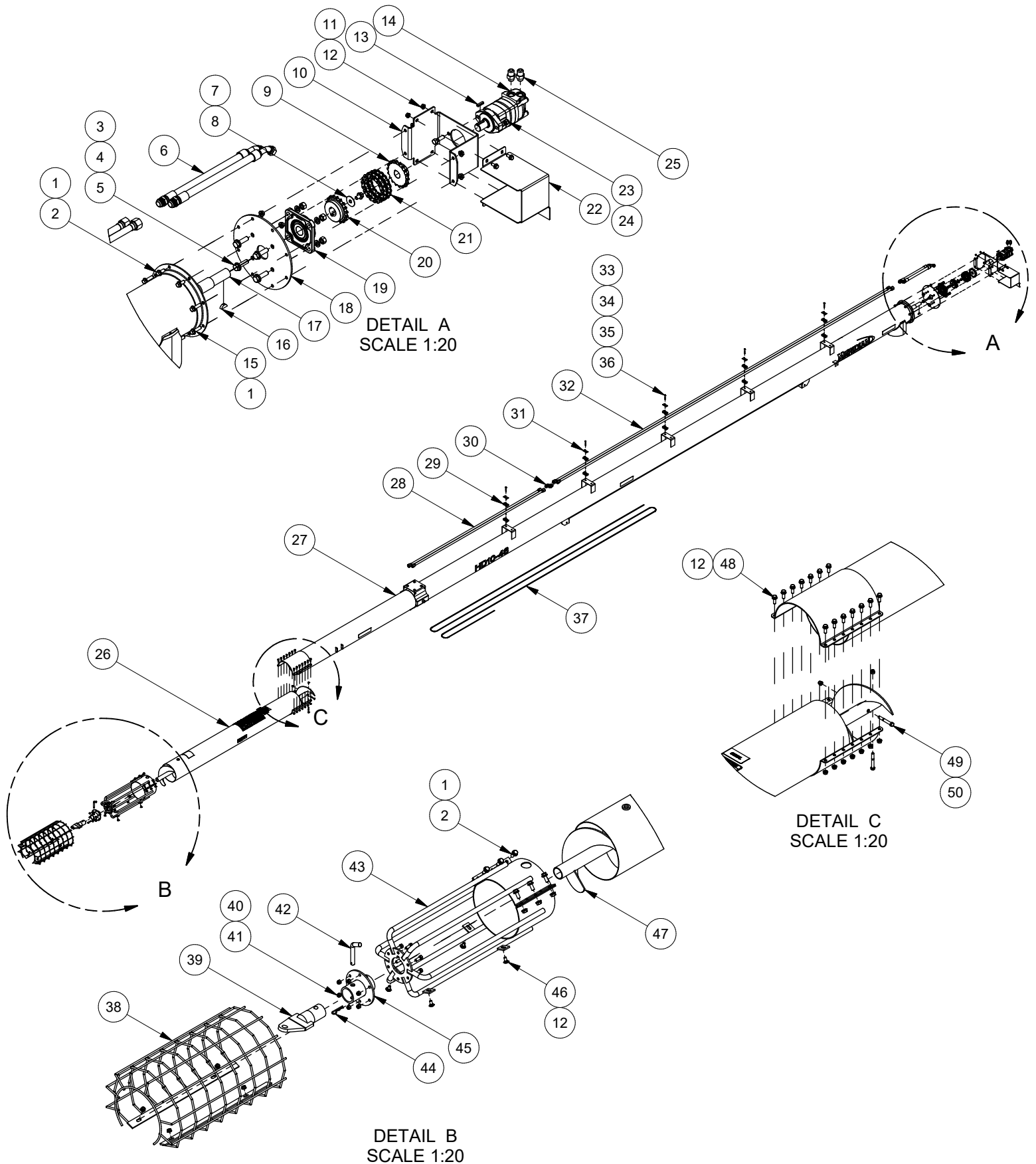


# TL1039 TUBES

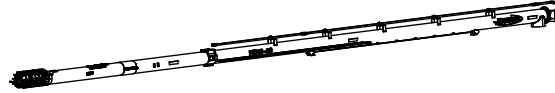


| REF # | PART #          | QUANTITY | DESCRIPTION                                           |
|-------|-----------------|----------|-------------------------------------------------------|
| 1     | 13073100007     | 14       | Flange Lock Nut 7/16-14 Gr 5                          |
| 2     | 13071207024     | 4        | BOLT, HEX, FLANGED, Steel, Mild 7/16-14 UNC X 1.5     |
| 3     | 11074000808     | 1        | Woodruff Key                                          |
| 4     | 130000012041-00 | 2        | Hyd Hose 3/4" x 18" c/w 12WC-12FJX-45 & 12WC-16MJ     |
| 5     | 13071208012     | 1        | BOLT, HEX, FLANGED, Steel, Mild 1/2-13 UNC X 0.75     |
| 6     | 130000011037-00 | 1        | Washer OptK MRDN/HVST HD1059 Drive Hydraulic          |
| 7     | 13000001200-00  | 2        | Sprocket - 60B18 - 1.25" Hardened                     |
| 8     | 130000011039-00 | 1        | Motor Plate OptK MRDN/HVST HD10 Drive Hydraulic       |
| 9     | 13071206012     | 6        | Flange Lock Bolt 3/8 x 3/4-16 Gr 5                    |
| 10    | 13073100006     | 10       | NUT, HEX, FLANGED, Steel, Mild 3/8-16 UNC             |
| 11    | 130000012085-00 | 1        | Key Stepped 5/16 x 1/4 x 1.25" Long                   |
| 12    | 19300000031     | 1        | HYD. MOTOR - SERIES 2000 - 9.6 CU. IN. - 104-1025-006 |
| 13    | 13071207016     | 10       | Flange Lock Bolt 7/16 x 1-14 Gr 5                     |
| 14    | 130000012827-00 | 1        | Flight Assembly TL10-39 Drive Hydraulic CPN           |
| 15    | 130000012308-00 | 1        | Head End Plate OptK MRDN/HVST TL10 Drive Hydraulic    |
| 16    | 13000002511-00  | 1        | 1 1/4" Ball Bearing Insert c/w Housing                |
| 17    | 13072500008     | 4        | Hex Nut 1/2-13 Gr 5                                   |
| 18    | 13073400008     | 4        | Spring Lock Washer 1/2                                |
| 19    | 13071208028     | 4        | Flange Lock Bolt 1/2 x 1 3/4-13 Gr 5                  |
| 20    | 13000005190-00  | 1        | Chain - 60-2R-18 c/w Connector Link                   |
| 21    | 130000011109-00 | 1        | Head End Guard Optk MRDN/HVST HD/TL10 Drive Hyd       |
| 22    | 13072900008     | 2        | Nylon Locknut 1/2-13 Gr 5                             |
| 23    | 13070208028     | 2        | Hex Cap Screw 1/2 x 1 3/4-13 Gr 5                     |
| 24    | 18-3500-0012    | 2        | 10MB-12MJ                                             |
| 25    | 13000003661-00  | 1        | Tube                                                  |
| 26    | 130000012044-00 | 2        | Hyd Line 1" x 240" c/w Fittings                       |
| 27    | 130000012051-00 | 4        | Hyd Line Clamp Double 1" 325/25 PP                    |
| 28    | 130000012052-00 | 4        | Hyd Line Clamp Cover Plate Double 1" GD 3D-W3         |
| 29    | 13072500005     | 4        | Hex Nut 5/16-18 Gr 5                                  |
| 30    | 13073400005     | 4        | Spring Lock Washer 5/16                               |
| 31    | 13073500005     | 4        | Flat Washer 5/16                                      |
| 32    | 13070205040     | 4        | BOLT, HEX, 5/16-18 UNC X 2.5 Steel, Mild              |
| 33    | 13000001423-00  | 1        | Truss/Lift Cable 33' x 1/4" 7x19                      |
| 33    | 13000005028-00  | 1        | Fork End                                              |
| 34    | 13000001538-00  | 1        | Guard                                                 |
| 35    | 13000001539-00  | 1        | Hitch Tube                                            |
| 36    | 13070206016     | 6        | Hex Cap Screw 3/8 x 1-16 Gr 5                         |
| 37    | 13073000006     | 6        | NUT, HEX, STOVER 3/8-16 UNC Steel, Mild               |
| 38    | 13000001646-00  | 1        | Bent Pull Pin 5/8" x 3"                               |
| 39    | 13000005027-00  | 1        | Fork Intake HD10 TL10                                 |
| 40    | 13073902040     | 1        | 1/8" x 2 1/2" Hair Pin                                |
| 41    | 13070906012     | 4        | Carriage Bolt 3/8 x 3/4-16 UNC Gr 5                   |

## HD1046 TUBES

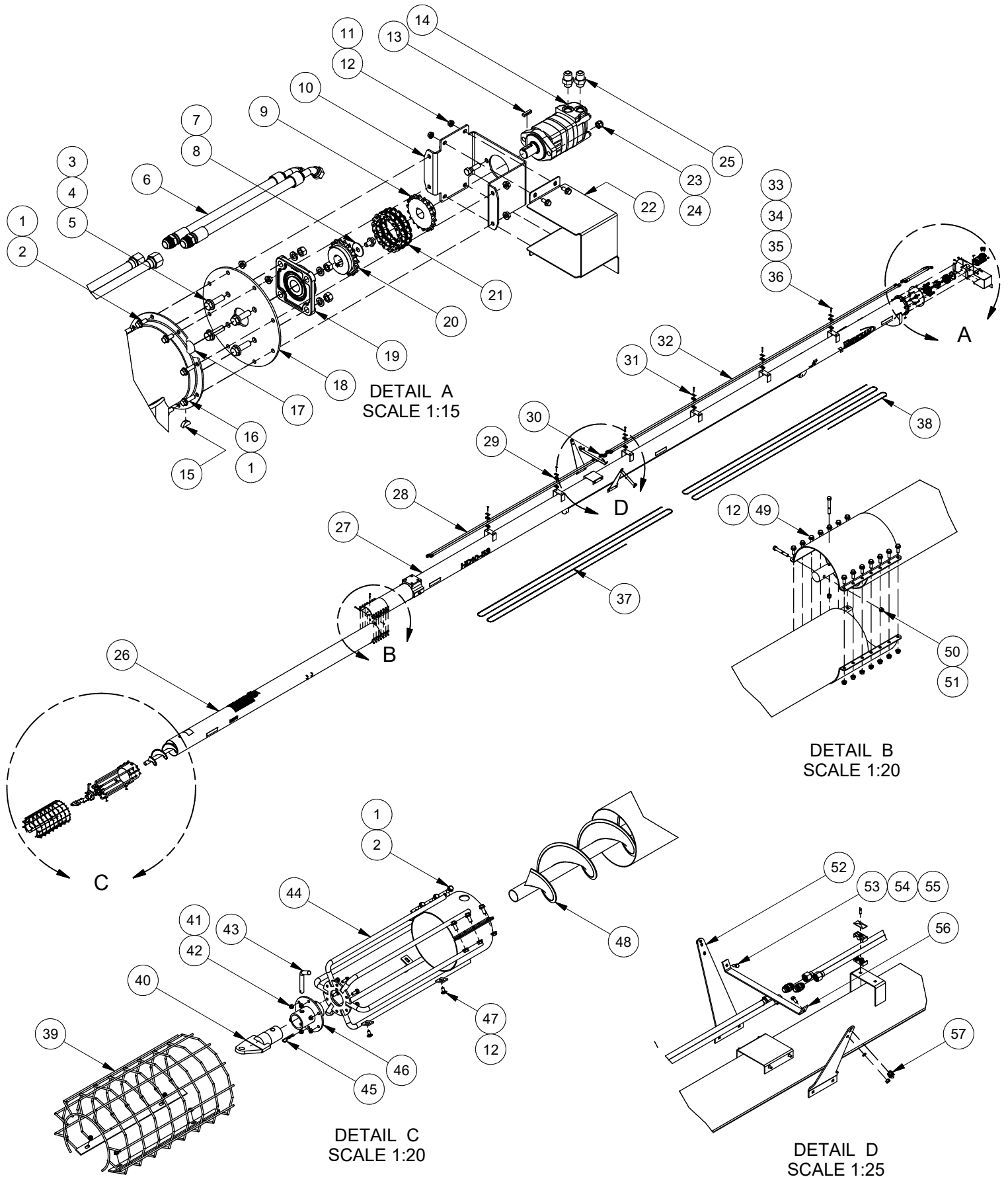


## HD1046 TUBES



| REF # | PART #          | QUANTITY | DESCRIPTION                                                |
|-------|-----------------|----------|------------------------------------------------------------|
| 1     | 13073100007     | 14       | Flange Lock Nut 7/16-14 Gr 5                               |
| 2     | 13071207016     | 10       | Flange Lock Bolt 7/16 x 1-14 Gr 5                          |
| 3     | 13072500010     | 4        | Hex Nut 5/8-11 Gr 5                                        |
| 4     | 13073400010     | 4        | Spring Lock Washer 5/8                                     |
| 5     | 13071210032     | 4        | Flange Lock Bolt 5/8 x 2-11 Gr 5                           |
| 6     | 130000012041-00 | 2        | Hyd Hose 3/4" x 18" c/w 12WC-12FJX-45 & 12WC-16MJ          |
| 7     | 13071208012     | 1        | BOLT, HEX, FLANGED, Steel, Mild 1/2-13 UNC X 0.75          |
| 8     | 130000011037-00 | 1        | Washer OptK MRDN/HVST HD1059 Drive Hydraulic               |
| 9     | 13000001200-00  | 1        | Sprocket - 60B18 - 1.25" Hardened                          |
| 10    | 130000011039-00 | 1        | Motor Plate OptK MRDN/HVST HD10 Drive Hydraulic            |
| 11    | 13071206012     | 4        | Flange Lock Bolt 3/8 x 3/4-16 Gr 5                         |
| 12    | 13073100006     | 22       | NUT, HEX, FLANGED, Steel, Mild 3/8-16 UNC                  |
| 13    | 130000012085-00 | 1        | Key Stepped 5/16 x 1/4 x 1.25" Long                        |
| 14    | 1930000031      | 1        | HYD. MOTOR - SERIES 2000 - 9.6 CU. IN. - 104-1025-006      |
| 15    | 13071207024     | 4        | BOLT, HEX, FLANGED, Steel, Mild 7/16-14 UNC X 1.5          |
| 16    | 11074001210     | 1        | 1210 Woodruff Key                                          |
| 17    | 13000003645-00  | 1        | Flight Asm HD10-59/1800 Top                                |
| 18    | 130000011038-00 | 1        | Head End Plate OptK MRDN/HVST HD10 Drive Hydraulic         |
| 19    | 13000002341-00  | 1        | 1-1/2" Bearing c/w Cast Housing                            |
| 20    | 130000010991-00 | 1        | Sprocket 60B18 1-1/2" Hardened c/w 2-3/8" S.S. & 3/8" K.W. |
| 21    | 13000005190-00  | 1        | Chain - 60-2R-18 c/w Connector Link                        |
| 22    | 130000011109-00 | 1        | Head End Guard Optk MRDN/HVST HD/TL10 Drive Hyd            |
| 23    | 13072900008     | 2        | Nylon Locknut 1/2-13 Gr 5                                  |
| 24    | 13070208028     | 2        | Hex Cap Screw 1/2 x 1 3/4-13 Gr 5                          |
| 25    | 18-3500-0012    | 2        | 10MB-12MJ                                                  |
| 26    | 13000003642-00  | 1        | Tube Bottom                                                |
| 27    | 13000003641-00  | 1        | Tube Top                                                   |
| 28    | 130000012301-00 | 2        | Hyd Line 1" x 93" c/w Fittings                             |
| 29    | 130000012051-00 | 5        | Hyd Line Clamp Double 1" 325/25 PP                         |
| 30    | 130000012042-00 | 2        | Hyd Fitting 16MJ-16MJ                                      |
| 31    | 130000012052-00 | 5        | Hyd Line Clamp Cover Plate Double 1" GD 3D-W3              |
| 32    | 130000012044-00 | 2        | Hyd Line 1" x 240" c/w Fittings                            |
| 33    | 13072500005     | 5        | Hex Nut 5/16-18 Gr 5                                       |
| 34    | 13073400005     | 5        | Spring Lock Washer 5/16                                    |
| 35    | 13073500005     | 5        | Flat Washer 5/16                                           |
| 36    | 13070205040     | 5        | BOLT, HEX, 5/16-18 UNC X 2.5 Steel, Mild                   |
| 37    | 13000001424-00  | 1        | Truss/Lift Cable 42' 6" x 1/4" 7x19                        |
| 38    | 13000001538-00  | 1        | Guard                                                      |
| 39    | 13000001539-00  | 1        | Hitch Tube                                                 |
| 40    | 13070206016     | 6        | Hex Cap Screw 3/8 x 1-16 Gr 5                              |
| 41    | 13073000006     | 6        | NUT, HEX, STOVER 3/8-16 UNC Steel, Mild                    |
| 42    | 13000001646-00  | 1        | Bent Pull Pin 5/8" x 3"                                    |
| 43    | 13000005027-00  | 1        | Fork Intake HD10 TL10                                      |
| 44    | 13073902040     | 1        | 1/8" x 2 1/2" Hair Pin                                     |
| 45    | 13000005028-00  | 1        | Fork End                                                   |
| 46    | 13070906012     | 4        | Carriage Bolt 3/8 x 3/4-16 UNC Gr 5                        |
| 47    | 13000003646-00  | 1        | Flight Bottom                                              |
| 48    | 13071206016     | 14       | BOLT, HEX, FLANGED, Steel, Mild 3/8-16 UNC X 1             |
| 49    | 13070206044     | 2        | Hex Cap Screw 3/8 x 2 3/4-16 Gr 5                          |
| 50    | 13072900006     | 2        | Nylon Locknut 3/8-16 Gr 5                                  |

## HD1053 TUBES

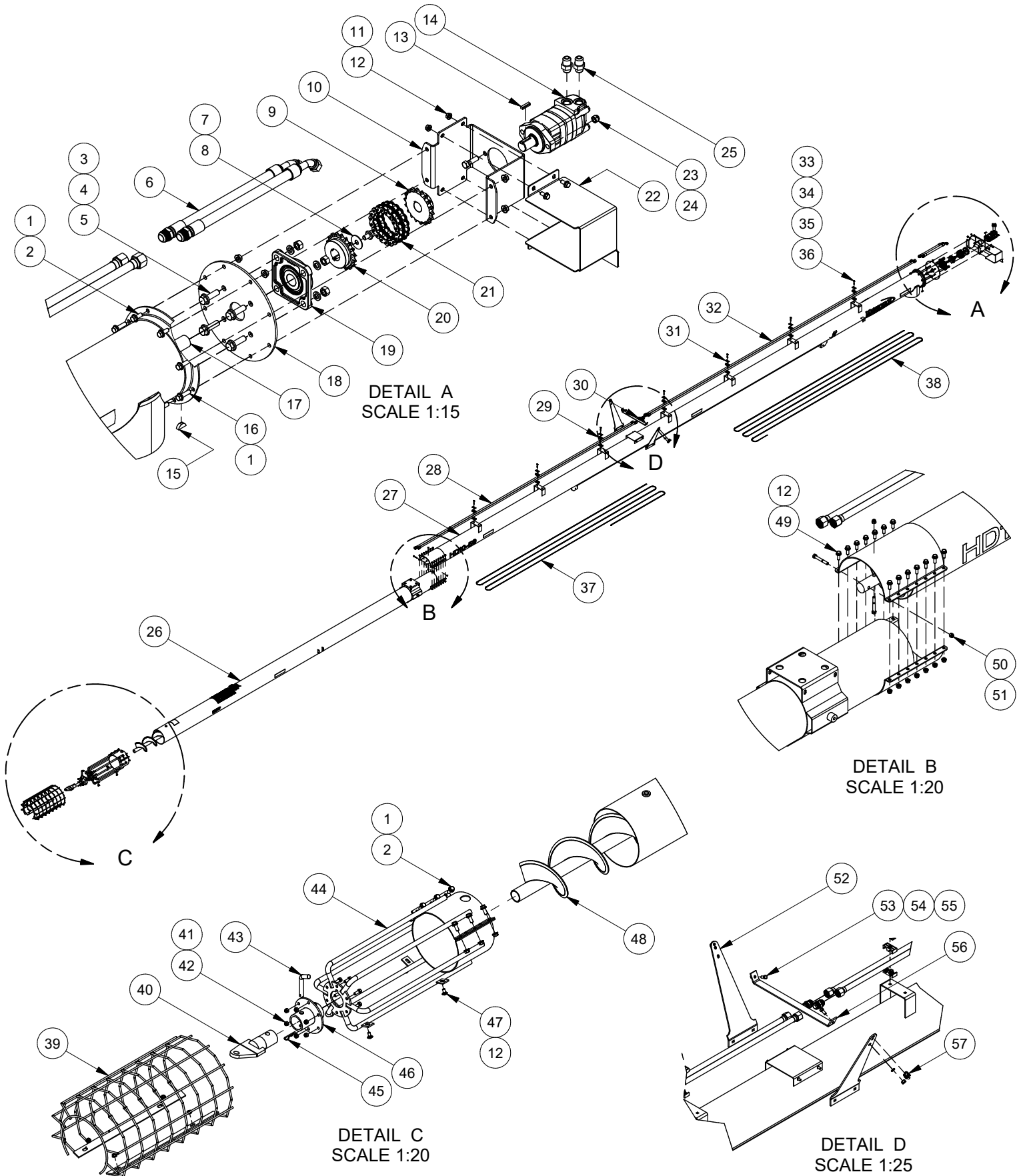


## PARTS

## HD1053 TUBES

| REF # | PART #          | QUANTITY | DESCRIPTION                                                |
|-------|-----------------|----------|------------------------------------------------------------|
| 1     | 13073100007     | 14       | Flange Lock Nut 7/16-14 Gr 5                               |
| 2     | 13071207016     | 10       | Flange Lock Bolt 7/16 x 1-14 Gr 5                          |
| 3     | 13073400010     | 4        | Spring Lock Washer 5/8                                     |
| 4     | 13072500010     | 4        | Hex Nut 5/8-11 Gr 5                                        |
| 5     | 13071210032     | 4        | Flange Lock Bolt 5/8 x 2-11 Gr 5                           |
| 6     | 130000012041-00 | 2        | Hyd Hose 3/4" x 18" c/w 12WC-12FJX-45 & 12WC-16MJ          |
| 7     | 13071208012     | 1        | BOLT, HEX, FLANGED, Steel, Mild 1/2-13 UNC X 0.75          |
| 8     | 130000011037-00 | 1        | Washer OptK MRDN/HVST HD1059 Drive Hydraulic               |
| 9     | 13000001200-00  | 1        | Sprocket - 60B18 - 1.25" Hardened                          |
| 10    | 130000011039-00 | 1        | Motor Plate OptK MRDN/HVST HD10 Drive Hydraulic            |
| 11    | 13071206012     | 4        | Flange Lock Bolt 3/8 x 3/4-16 Gr 5                         |
| 12    | 13073100006     | 22       | NUT, HEX, FLANGED, Steel, Mild 3/8-16 UNC                  |
| 13    | 130000012085-00 | 1        | Key Stepped 5/16 x 1/4 x 1.25" Long                        |
| 14    | 1930000031      | 1        | HYD. MOTOR - SERIES 2000 - 9.6 CU. IN. - 104-1025-006      |
| 15    | 11074001210     | 1        | 1210 Woodruff Key                                          |
| 16    | 13071207024     | 4        | BOLT, HEX, FLANGED, Steel, Mild 7/16-14 UNC X 1.5          |
| 17    | 13000003645-00  | 1        | Flight Asm HD10-59/1800 Top                                |
| 18    | 130000011038-00 | 1        | Head End Plate OptK MRDN/HVST HD10 Drive Hydraulic         |
| 19    | 13000002341-00  | 1        | 1-1/2" Bearing c/w Cast Housing                            |
| 20    | 130000010991-00 | 1        | Sprocket 60B18 1-1/2" Hardened c/w 2-3/8" S.S. & 3/8" K.W. |
| 21    | 13000005190-00  | 1        | Chain - 60-2R-18 c/w Connector Link                        |
| 22    | 130000011109-00 | 1        | Head End Guard OptK MRDN/HVST HD/TL10 Drive Hyd            |
| 23    | 13072900008     | 2        | Nylon Locknut 1/2-13 Gr 5                                  |
| 24    | 13070208028     | 2        | Hex Cap Screw 1/2 x 1 3/4-13 Gr 5                          |
| 25    | 18-3500-0012    | 2        | 10MB-12MJ                                                  |
| 26    | 13000003649-00  | 1        | Tube Bottom                                                |
| 27    | 13000003648-00  | 1        | Tube Top                                                   |
| 28    | 130000012294-00 | 2        | Hyd Line 1" x 138" c/w Fittings                            |
| 29    | 130000012051-00 | 6        | Hyd Line Clamp Double 1" 325/25 PP                         |
| 30    | 130000012042-00 | 2        | Hyd Fitting 16MJ-16MJ                                      |
| 31    | 130000012052-00 | 6        | Hyd Line Clamp Cover Plate Double 1" GD 3D-W3              |
| 32    | 130000012044-00 | 2        | Hyd Line 1" x 240" c/w Fittings                            |
| 33    | 13072500005     | 6        | Hex Nut 5/16-18 Gr 5                                       |
| 34    | 13073400005     | 6        | Spring Lock Washer 5/16                                    |
| 35    | 13073500005     | 6        | Flat Washer 5/16                                           |
| 36    | 13070205040     | 6        | BOLT, HEX, 5/16-18 UNC X 2.5 Steel, Mild                   |
| 37    | 13000001425-00  | 1        | Truss/Lift Cable 49' x 1/4" 7x19                           |
| 38    | 13000001445-00  | 1        | Truss/Lift Cable-57'/1737cm                                |
| 39    | 13000001538-00  | 1        | Guard                                                      |
| 40    | 13000001539-00  | 1        | Hitch Tube                                                 |
| 41    | 13070206016     | 6        | Hex Cap Screw 3/8 x 1-16 Gr 5                              |
| 42    | 13073000006     | 6        | NUT, HEX, STOVER 3/8-16 UNC Steel, Mild                    |
| 43    | 13000001646-00  | 1        | Bent Pull Pin 5/8" x 3"                                    |
| 44    | 13000005027-00  | 1        | Fork Intake HD10 TL10                                      |
| 45    | 13073902040     | 1        | 1/8" x 2 1/2" Hair Pin                                     |
| 46    | 13000005028-00  | 1        | Fork End                                                   |
| 47    | 13070906012     | 4        | Carriage Bolt 3/8 x 3/4-16 UNC Gr 5                        |
| 48    | 13000003652-00  | 1        | Flight Bottom                                              |
| 49    | 13071206016     | 14       | BOLT, HEX, FLANGED, Steel, Mild 3/8-16 UNC X 1             |
| 50    | 13072900006     | 2        | Nylon Locknut 3/8-16 Gr 5                                  |
| 51    | 13070206044     | 2        | Hex Cap Screw 3/8 x 2 3/4-16 Gr 5                          |
| 52    | 13000001443-00  | 2        | Truss Riser                                                |
| 53    | 13070207016     | 2        | Hex Cap Screw 7/16 x 1, 14 UNC Gr 5                        |
| 54    | 13073400007     | 2        | Spring Lock Washer 7/16                                    |
| 55    | 13072500007     | 2        | NUT, HEX 7/16-14 UNC Steel, Mild                           |
| 56    | 13000003102-00  | 1        | Truss Brace 10 Inch Augers                                 |
| 57    | 13000002433-00  | 2        | Cable Clamp - 5/16"                                        |

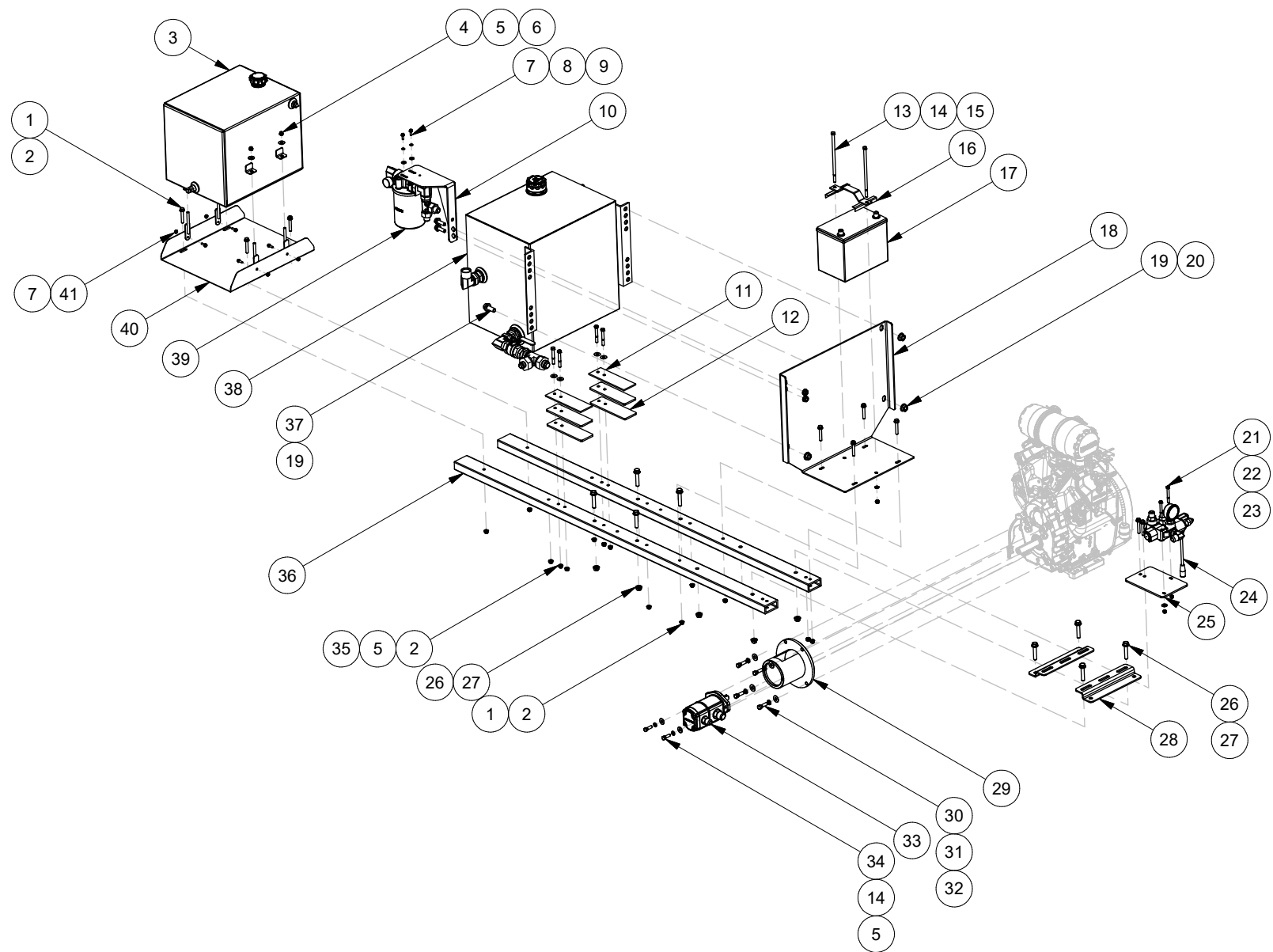
## HD1059 TUBES



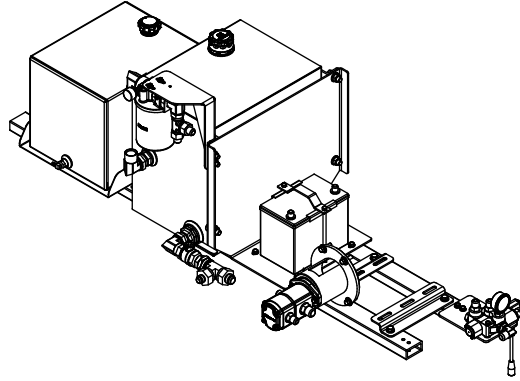
# HD1059 TUBES

| REF # | PART #          | QUANTITY | DESCRIPTION                                                |
|-------|-----------------|----------|------------------------------------------------------------|
| 1     | 13073100007     | 14       | Flange Lock Nut 7/16-14 Gr 5                               |
| 2     | 13071207016     | 10       | Flange Lock Bolt 7/16 x 1-14 Gr 5                          |
| 3     | 13073400010     | 4        | Spring Lock Washer 5/8                                     |
| 4     | 13072500010     | 4        | Hex Nut 5/8-11 Gr 5                                        |
| 5     | 13071210032     | 4        | Flange Lock Bolt 5/8 x 2-11 Gr 5                           |
| 6     | 130000012041-00 | 2        | Hyd Hose 3/4" x 18" c/w 12WC-12FJX-45 & 12WC-16MJ          |
| 7     | 13071208012     | 1        | BOLT, HEX, FLANGED, Steel, Mild 1/2-13 UNC X 0.75          |
| 8     | 130000011037-00 | 1        | Washer OptK MRDN/HVST HD1059 Drive Hydraulic               |
| 9     | 13000001200-00  | 1        | Sprocket - 60B18 - 1.25" Hardened                          |
| 10    | 130000011039-00 | 1        | Motor Plate OptK MRDN/HVST HD10 Drive Hydraulic            |
| 11    | 13071206012     | 4        | Flange Lock Bolt 3/8 x 3/4-16 Gr 5                         |
| 12    | 13073100006     | 22       | NUT, HEX, FLANGED, Steel, Mild 3/8-16 UNC                  |
| 13    | 130000012085-00 | 1        | Key Stepped 5/16 x 1/4 x 1.25" Long                        |
| 14    | 19300000031     | 1        | HYD. MOTOR - SERIES 2000 - 9.6 CU. IN. - 104-1025-006      |
| 15    | 11074001210     | 1        | 1210 Woodruff Key                                          |
| 16    | 13071207024     | 4        | BOLT, HEX, FLANGED, Steel, Mild 7/16-14 UNC X 1.5          |
| 17    | 13000003645-00  | 1        | Flight Asm HD10-59/1800 Top                                |
| 18    | 130000011038-00 | 1        | Head End Plate OptK MRDN/HVST HD10 Drive Hydraulic         |
| 19    | 13000002341-00  | 1        | 1-1/2" Bearing c/w Cast Housing                            |
| 20    | 130000010991-00 | 1        | Sprocket 60B18 1-1/2" Hardened c/w 2-3/8" S.S. & 3/8" K.W. |
| 21    | 13000005190-00  | 1        | Chain - 60-2R-18 c/w Connector Link                        |
| 22    | 130000011109-00 | 1        | Head End Guard Optk MRDN/HVST HD/TL10 Drive Hyd            |
| 23    | 13072900008     | 2        | Nylon Locknut 1/2-13 Gr 5                                  |
| 24    | 13070208028     | 2        | Hex Cap Screw 1/2 x 1 3/4-13 Gr 5                          |
| 25    | 18-3500-0012    | 2        | 10MB-12MJ                                                  |
| 26    | 13000003655-00  | 1        | Tube Bottom                                                |
| 27    | 13000003654-00  | 1        | Tube Welded Top HD10-59                                    |
| 28    | 130000012045-00 | 2        | Hyd Line 1" x 195.5" c/w Fittings                          |
| 29    | 130000012051-00 | 7        | Hyd Line Clamp Double 1" 325/25 PP                         |
| 30    | 130000012042-00 | 2        | Hyd Fitting 16MJ-16MJ                                      |
| 31    | 130000012052-00 | 7        | Hyd Line Clamp Cover Plate Double 1" GD 3D-W3              |
| 32    | 130000012044-00 | 2        | Hyd Line 1" x 240" c/w Fittings                            |
| 33    | 13072500005     | 7        | Hex Nut 5/16-18 Gr 5                                       |
| 34    | 13073400005     | 7        | Spring Lock Washer 5/16                                    |
| 35    | 13073500005     | 7        | Flat Washer 5/16                                           |
| 36    | 13070205040     | 7        | BOLT, HEX, 5/16-18 UNC X 2.5 Steel, Mild                   |
| 37    | 13000001445-00  | 1        | Truss/Lift Cable-57'/1737cm                                |
| 38    | 13000001446-00  | 1        | Truss/Lift Cable                                           |
| 39    | 13000001538-00  | 1        | Guard                                                      |
| 40    | 13000001539-00  | 1        | Hitch Tube                                                 |
| 41    | 13070206016     | 6        | Hex Cap Screw 3/8 x 1-16 Gr 5                              |
| 42    | 13073000006     | 6        | NUT, HEX, STOVER 3/8-16 UNC Steel, Mild                    |
| 43    | 13000001646-00  | 1        | Bent Pull Pin 5/8" x 3"                                    |
| 44    | 13000005027-00  | 1        | Fork Intake HD10 TL10                                      |
| 45    | 13073902040     | 1        | 1/8" x 2 1/2" Hair Pin                                     |
| 46    | 13000005028-00  | 1        | Fork End                                                   |
| 47    | 13070906012     | 4        | Carriage Bolt 3/8 x 3/4-16 UNC Gr 5                        |
| 48    | 13000003656-00  | 1        | Flight Bottom HD1059                                       |
| 49    | 13071206016     | 14       | BOLT, HEX, FLANGED, Steel, Mild 3/8-16 UNC X 1             |
| 50    | 13072900006     | 2        | Nylon Locknut 3/8-16 Gr 5                                  |
| 51    | 13070206044     | 2        | Hex Cap Screw 3/8 x 2 3/4-16 Gr 5                          |
| 52    | 13000001443-00  | 2        | Truss Riser                                                |
| 53    | 13070207016     | 2        | Hex Cap Screw 7/16 x 1, 14 UNC Gr 5                        |
| 54    | 13073400007     | 2        | Spring Lock Washer 7/16                                    |
| 55    | 13072500007     | 2        | NUT, HEX 7/16-14 UNC Steel, Mild                           |
| 56    | 13000003102-00  | 1        | Truss Brace 10 Inch Augers                                 |
| 57    | 13000002433-00  | 2        | Cable Clamp - 5/16"                                        |

## HYDRAULIC PLATFORM



## HYDRAULIC PLATFORM



| REF # | PART #          | QUANTITY | DESCRIPTION                                                          |
|-------|-----------------|----------|----------------------------------------------------------------------|
| 1     | 13071206036     | 10       | Flange Lock Bolt 3/8 x2 1/4-16 Gr 5                                  |
| 2     | 13073100006     | 14       | NUT, HEX, FLANGED, Steel, Mild 3/8-16 UNC                            |
| 3     | 503817          | 1        | 15 GALLON GAS TANK                                                   |
| 4     | 13073000006     | 4        | NUT, HEX, STOVER 3/8-16 UNC Steel, Mild                              |
| 5     | 13073500006     | 10       | Flat Washer 3/8                                                      |
| 6     | 405275          | 4        | FUEL TANK TENSIONING BRACKET                                         |
| 7     | 13071204012     | 6        | Flange Lock Bolt 1/4 X 3/4-20 Gr 5                                   |
| 8     | 13073400004     | 2        | Spring Lock Washer 1/4                                               |
| 9     | 13073500004     | 2        | Flat Washer 1/4                                                      |
| 10    | 402352          | 1        | HYDRAULIC FILTER MOUNT                                               |
| 11    | 130000012084-00 | 2        | Rubber Spacer Hyd Reservoir MRDN/HVST HD10 Hyd Auger                 |
| 12    | 130000012083-00 | 4        | Spacer Hyd Reservoir MRDN/HVST HD10 Hyd Auger                        |
| 13    | 13070206144     | 2        | Hex Cap Screw 3/8 x 9-16 Gr 5                                        |
| 14    | 13073400006     | 4        | Spring Lock Washer 3/8                                               |
| 15    | 13072500006     | 2        | Hex Nut 3/8-16 Gr 5                                                  |
| 16    | 13000001924-00  | 1        | Battery Top Mount                                                    |
| 17    | 33000000006     | 1        | EPB 24-675 - AUTOMOTIVE BATTERY                                      |
| 18    | 130000011021-00 | 1        | Hydraulic Oil Tank Mount OptK MRDN/HVST HD1059 Drive Hydraulic       |
| 19    | 13073100010     | 3        | Flange Lock Nut 5/8-11 Gr 5                                          |
| 20    | 13071208024     | 2        | Flange Lock Bolt 1/2 x 1 1/2-13 Gr 5                                 |
| 21    | 13070205044     | 2        | Hex Cap Screw 5/16 x 2 3/4-18 Gr 5                                   |
| 22    | 13073500005     | 2        | Flat Washer 5/16                                                     |
| 23    | 13073000005     | 2        | Stover Locknut 5/16-18 Type B Gr 5                                   |
| 24    | 130000010934-00 | 1        | Hydraulic Valve 1 Bank c/w Fittings & Pressure Gauge 5000 PSI        |
| 25    | 130000011033-00 | 1        | Valve Mount OptK MRDN/HVST HD1059 Drive Hyd                          |
| 26    | 13071208040     | 8        | Flange Lock Bolt 1/2 x2 1/2-13 Gr 5                                  |
| 27    | 13073100008     | 10       | Flange Lock Nut 1/2-13 Gr 5                                          |
| 28    | 13000002864-00  | 2        | Motor Mount Bracket                                                  |
| 29    | 18-3000-0074    | 1        | E700702A                                                             |
| 30    | 13070207024     | 4        | Hex Cap Screw 7/16 x 1 1/2-14 Gr 5                                   |
| 31    | 13073400007     | 4        | Spring Lock Washer 7/16                                              |
| 32    | 13073500007     | 4        | Flat Washer 7/16                                                     |
| 33    | 130000010936-00 | 1        | Pump Casappa c/w Fittings                                            |
| 34    | 13070206020     | 2        | Hex Cap Screw 3/8 x 1 1/4-16 Gr 5                                    |
| 35    | 13070206044     | 4        | Hex Cap Screw 3/8 x 2 3/4-16 Gr 5                                    |
| 36    | 130000011005-00 | 2        | HSS Base OptK MRDN/HVST HD1059 Drive Hydraulic                       |
| 37    | 13071210024     | 3        | Flange Lock Bolt 5/8 x 1 1/2-11 Gr 5                                 |
| 38    | 130000010961-00 | 1        | Hydraulic Reservoir 25 Gallon c/w Fittings & Ball Valve Low Pressure |
| 39    | 130000010935-00 | 1        | Hydraulic Oil Filter c/w Fittings & Oil Quality Indicator Gauge      |
| 40    | 130000011020-00 | 1        | Gas Tank 45L Holder OptK MRDN/HVST HD1059 Drive Hyd                  |
| 41    | 13073100004     | 4        | Flange Lock Nut 1/4-20 Gr 5                                          |

# GENERAL PARTS

| PART NUMBER    | DESCRIPTION                                         |
|----------------|-----------------------------------------------------|
| 13000002949-00 | Red Spray Paint                                     |
| 13000004846-00 | Dark Grey Spray Paint                               |
| 13000001920-00 | 10" Cupped Repair Flight w/ Shaft and Stub - 1 3/4" |
| 13000001570-00 | 10" Cupped Flight / 2 Feet - 2" OD Shaft            |
| 13000001648-00 | 10" Flight Shaft Core / Foot - 2" OD                |
| 13000001530-02 | 10" Flight Shaft Stub - Joiner - 1 3/4" OD Shaft    |
| 13000001530-03 | 10" Flight Shaft Stub - 1 3/4" OD Shaft HD10        |
| 13000003866-00 | 10" Helix - Cup / Foot                              |
| 13000001546-02 | Flight Shaft Stub - Head - 1 1/2" OD HD10           |
| 13000001547-03 | Short Stub - Drive - 1 3/8" OD HD10                 |
| 13000001546-03 | 10" Splined Coupling HD10                           |
| 13000001547-02 | 10" Splined Shaft HD10                              |
| 13000001647-00 | Drive Shaft / Foot - 1 5/8" OD HD10                 |
| 13000001571-00 | 10" Tubing / Foot                                   |
| 13000001526-13 | 10" Angle Flange                                    |
| 13000003698-00 | Decal - HD10-46                                     |
| 13000003699-00 | Decal - HD10-53                                     |
| 13000003700-00 | Decal - HD10-59                                     |
| 13000003685-00 | Decal - Meridian                                    |
| 13000001653-00 | Decal - Caution (Large)                             |
| 13000001654-00 | Decal - Warning                                     |
| 13000001655-00 | Decal - Danger - Upending Hazard                    |
| 13000001656-00 | Decal - Danger - Electrocution Hazard               |
| 13000001657-00 | Decal - Danger - Rotating Flighting                 |
| 13000001658-00 | Decal - Warning - Mover Part Hazard                 |
| 13000001659-00 | Decal - Caution (Small)                             |
| 13000001660-00 | Decal - Rotating Drive Line                         |
| 13000002901-00 | Reflector Yellow                                    |
| 13000002900-00 | Reflector Red                                       |
| 13000004971-00 | Kit - Bolt On Repair Band 10in                      |
| 13000001569-00 | 10" Regular Flight / Foot - 2" OD Shaft             |
| 13000002859-04 | 10" Flight Shaft Stub - 1 3/4" OD Shaft TL10        |
| 13000001412-02 | Flight Shaft Stub - Head - 1 1/4" OD TL10           |
| 13000001412-03 | Short Stub - Drive - 1 1/4" OD TL10                 |
| 13000001644-00 | Drive Shaft / Foot - 1 3/8" OD TL10                 |
| 13000003703-00 | Decal - TL10-39                                     |
| 13000004944-00 | Decal - Grease Zerk Location                        |

# Limited Warranty Statement

1. Meridian Manufacturing Inc warrants each new Meridian Manufacturing Inc product (the "Goods") to be free from defects in material and workmanship under normal use and service for a period of two (2) years or ninety (90) days in the case of commercial use, from the shipment date from the Meridian dealer (FCA).
2. Meridian warrants replacement parts and components either manufactured or sold by, will be free from defects in materials or workmanship under normal use and service for thirty (30) days from the shipment date from the Meridian dealer (FCA), or the remainder of the original warranty period on the Goods, whichever is longer.
3. This warranty does not apply to:
  - a) to any merchandise or components thereof, which in the sole and unfettered opinion of Meridian, have been subject to misuse, unauthorized modifications, alteration, accident, negligence, product abuse or lack of required maintenance.
  - b) if repairs have been made with parts or by persons other than those parts or persons approved by Meridian.
  - c) to parts and accessories not manufactured by Meridian including, but not limited to, engines, batteries, tires, belts, PTO shafts or other trade accessories. Such parts shall be covered by the warranty given by the actual manufacturer, if any.
  - d) to failure of parts; or failure of parts to perform due to wear under normal or excessive service conditions; or to failure due to use by the Purchaser for purposes other than originally intended at time of manufacture, including without limitation using the Goods for mixing fertilizer, etc.; or used in excess of the built specifications.
  - e) to Goods used in areas exposed to corrosive or aggressive conditions including, but not limited to, salt water from either inside or outside the Goods.
  - f) to failures or defects arising out of damage during shipment or during storage.
  - g) to materials replaced or repaired under this warranty, except to the extent of the remainder of the applicable warranty.
4. The obligation of Meridian under this warranty shall not arise unless Meridian is notified and this warranty is presented together with a written statement specifying the claim or defect within thirty (30) days after the failure is first detected or made known to the Purchaser and within: (i) two (2) years, or ninety (90) days in the case of commercial use; or (ii) thirty (30) days in the case of replacement parts and components manufactured by Meridian; from the shipment date from the Meridian dealer (FCA). Meridian in its sole and unfettered discretion shall determine if the claim is valid and whether correction of the defect or failure shall be made by repair or replacement of the materials.
5. Title to any replaced materials Meridian wishes to have pass to it, shall pass to Meridian.
6. The obligation of Meridian hereunder extends only to the original Purchaser or Buyer to whom the Goods were initially sold. This warranty shall not be subject to any assignment or transfer without the written consent of Meridian.
7. The purchaser acknowledges that it has made its own independent decision to approve the use of the Goods and also the specific fabrication and construction procedures utilized to complete the Goods, and has satisfied itself as to the suitability of these products for its use.

8. This warranty is subject to the following limitations, provisions and conditions:
- a) Meridian shall have no liability hereunder for any claims, including field re-work.
  - b) Meridian shall not be liable for any incidental loss or damage, however caused, including, without limitation, normal wear and tear.
  - c) Meridian makes no express or implied warranties of any nature whatsoever except for such express warranties as set out herein. The warranty provided herein is in lieu of and excludes all other warranties, guarantees or conditions pertaining to the Goods, written or oral, statutory, express or implied, (except the warranty as to title) including any warranty as to the merchantability or fitness for any particular purpose. Meridian expressly disclaims all other representations, conditions or warranties, expressed or implied, statutory or otherwise and any representations, warranties or conditions that may arise from a course of dealing or usage of trade. The warranty provided herein shall constitute Meridian's sole obligation and liability and the Purchaser's sole remedy for breach of warranty. No other warranty has been made by any employee, agent, or representative of Meridian and any statements contained in any other printed material of Meridian is expressly excluded herefrom. Meridian shall not be responsible for any warranty offered by the Purchaser to its customers with respect to the Goods and the Purchaser shall indemnify Meridian with respect to same if any of those customers makes a claim against Meridian relating to any such warranty.
  - d) Subject to Meridian's obligations contained in paragraphs 1 and 2 herein, none of Meridian, its officers, directors, servants or agents shall be liable, or responsible for any loss or damage (including strict liability and liability for loss or damage due to items which the manufacturing processes are designed to identify) whether such loss or damage is caused by negligence in any manner whatsoever (including gross negligence, error, misrepresentation, misstatement, imprudence, lack of skill or lack of judgement).
9. The sole financial obligation of Meridian under this warranty shall be limited to the repair or replacement of the Goods as originally supplied and in no event shall they exceed the original cost of the Goods supplied.
10. Meridian shall not have any obligation under any warranty herein until all accounts have been paid in full by the Purchaser.
11. The construction and interpretation of this Warranty shall be governed by the laws of the Province of Saskatchewan.

### **Warranty Claim Procedure**

- 1. Purchaser must register the Goods with Meridian.
- 2. Purchaser must contact the dealer where the unit was purchased from upon discovery of any defects.
- 3. A completed warranty claim form must be submitted by the dealer to Meridian's warranty representative for review and any subsequent course of action.
- 4. Warranty repair work will only be performed by Meridian or an approved representative of Meridian. No warranty work completed prior to approval by Meridian will be honored. Failure to follow procedure may affect any or all of this warranty.
- 5. Claims will be adjudicated at the sole discretion of Meridian and in accordance with the terms and conditions of the limited warranty.

# MERIDIAN MANUFACTURING INC.

With over 65 years of experience,  
Meridian is your storage and handling expert.



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