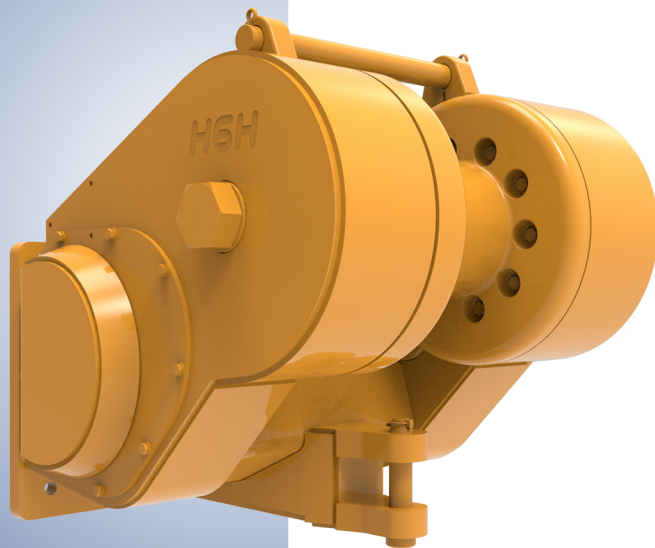




Parts Manual



Allied H6H

Hydraulic Winch For John Deere Dozers

Please check the Allied Systems website
regularly for updates to this manual.
www.alliedsystems.com

CUSTOMER
EDITION

Safety Precautions

Read, understand and observe the Safety Summary on pages 2 through 4 to prevent injury to personnel and damage to equipment.

Winch serial number _____

Date put into service _____

NOTE: This publication may be translated to different languages for sole purpose of easy reference in non-English speaking locations. Should there be differences in interpretations to the text, please refer to the English language edition published by Allied Systems Company as the controlling document.

Index

H6H Winch Parts for John Deere

Safety Summary	2
Unit Identification	5
Oil Specifications	7
Ordering Parts	8
Nameplate & Decals	9
Section 1 Frame/Covers/Mounting Parts	11
Section 2 Gear/Shaft Train	19
Section 3 Hydraulics/Electrical/Controls	37
Section 4 Optional Equipment	73
Section 5 Recommended Service Intervals & Kits	80
Section 6 Recommended Service Parts	88
Section 7 Numerical Index	95

Safety Summary

General Safety Notices

The following pages contain general safety warnings which supplement specific warnings and cautions appearing elsewhere in this manual. All electrical and hydraulic equipment is dangerous. You must thoroughly review and understand the Safety Summary before attempting to operate, troubleshoot or service this winch.

The following symbols and terms are used to emphasize safety precautions and notices in this manual:

DANGER

The “DANGER” symbol indicates a hazardous situation which, if not avoided, will result in serious injury or death. Carefully read the message that follows to prevent serious injury or death.

WARNING

The “WARNING” symbol appears wherever incorrect operating procedures or practices could cause serious injury or death. Carefully read the message that follows to prevent serious injury or death.

CAUTION

The “CAUTION” symbol appears where a hazardous situation which, if not avoided, could result in minor to moderate injury and equipment damage.

NOTICE

This signal word alerts to a situation that is not related to personal injury but may cause equipment damage.

NOTE: ...

The term “NOTE” highlights operating procedures or practices that may improve equipment reliability and/or personnel performance.

Safety Regulations

Each country has its own safety legislation. It is in the operator’s own interest to be conversant with these regulations and to comply with them in full. This also applies to local bylaws and regulations in force on a particular worksite.

Should the recommendations in this manual deviate from those in the user’ country, the national regulations should be followed.

Operation, Inspection, and Maintenance Warnings

WARNING

Multiple hazards.

Ignoring safety warnings may cause equipment damage, personal injury or death.

All possible safety hazards cannot be foreseen and included in this manual. The operator must always be alert to possible hazards that could endanger personnel or damage the equipment.

Training

- Do not operate the winch unless your are authorized and trained to do so.
- Read, understand, and follow the operating, inspection, and maintenance instructions in this manual.
- Keep yourself informed of any applicable codes, regulations and standards for the job.

Personnel Safety

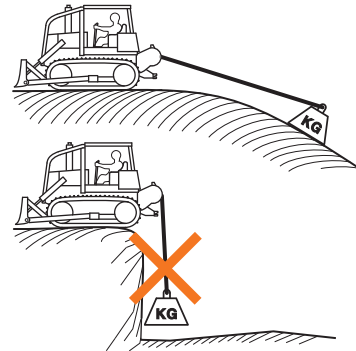
- Stay in the operator’s seat when operating the winch.
- Do not stand on the vehicle when operating the winch.

- Avoid winch operation near people or other machines.
- Never stand nor permit others to stand in the bight (loop) of a wire rope.
- Do not stand nor permit others to be near the winch or wire rope when there is tension on the wire rope.



- Make sure ground personnel are in plain view of the operator, and at a distance of at least 1½ times the working length of the wire rope.
- Observe jobsite rules.
- Do not use the control levers for hand holds when entering or leaving the vehicle.
- Be in complete control at all times.
- Do not use the control levers as hangers for clothes, water bags, grease guns, lunch pails, etc.
- Do not leave the vehicle when the winch wire rope is under tension.
- Do not permit riders on the vehicle or load.
- Operation Warnings
- Do not operate the winch unless the vehicle is equipped with a screen to protect the operator if the wire rope breaks.
- Be aware of the ground conditions, and make sure the ground and dozer are stable enough to pull the intended load.
- Do not attempt to pull loads in excess of the rated capacity of the winch.
- Make sure that any hand signals used by ground personnel are clearly defined and understood by everyone involved.

- Do not attempt to “jerk” or “shock” a load free. Doing so can cause loads in excess of the rated capacity of the wire rope, winch, or mounting hardware.
- Your winch may have temperature shut-off system for protection of dozer and winch. Manual override of high temperature shut-off will cause damage to dozer and winch.
- This winch is neither intended, designed, nor rated for any application involved in the lifting or moving of personnel.
- Do not use the winch as an anchor for a double or two-part line.
- Do not pull the hook through the throat or over the drum, which will cause damage.
- When the winch is not in use, make sure the control lever is in **BRAKE-ON** position and the winch brake is applied.
- Do not use winch as a hoist. Dozer and skidder mounted winches are designed for towing.



Wire Rope Safety

- Always inspect wire rope, tail chain and other rigging components for wear, damage, broken strands or abuse before use.
- Never use wire rope, tail chain or other rigging that is worn-out, damaged or abused.
- Never overload wire rope, tail chain or rigging.
- Wire rope and tail chain will fail if worn-out, overloaded, misused, damaged, improperly maintained or abused.



WARNING

Wire rope or tail chain failure may cause serious injury or death.

Inspect rigging before use and obey all safety warnings.

- Do not terminate wire rope to tail chain by the use of a knot.
- Do not handle wire rope if the hook end is not free. A load could break away, suddenly tensioning the wire rope, resulting in serious injury or death.
- Stay clear of wire rope entry areas (fairlead or arch rollers, winch drum etc).
- Maintain a **minimum of three (3) complete wraps of wire rope** on the drum for normal operation. It may help to paint the last five wraps of wire rope a contrasting color, to serve as a visual indicator.
- Do not handle wire rope with bare hands. Wear leather gloves at all times.
- Align the dozer with the load to prevent side loading the winch, and to maintain even spooling of the wire rope.
- If applying tension to the wire rope manually during spooling:
 - » ensure that the operator is winching in slowly,
 - » keep your hands and clothing well clear of any rollers or the winch drum,
 - » do not maintain tension by letting the wire rope to slip through your hands,
 - » use a hand-over-hand technique to maintain tension.

Maintenance Warnings

- Do not permit other people near the control area when you inspect or repair a machine.
- Never inspect, repair, or perform maintenance on a machine that is in motion.
- Inspect the winch before each use:
 - » Make sure that the controls and instruments operate correctly.
 - » Report the need for repairs immediately.
 - » Do not work with a damaged or worn wire rope.
 - » Do not use a winch that needs repairs.

» If the wire rope and ferrule must be removed from the drum, make sure the end of the wire rope and ferrule are controlled when the ferrule is released. The end of the wire rope can suddenly move from the drum like a compressed spring when the ferrule is released, and cause an injury.

- Replace any parts only with genuine Allied Winch parts.
- Use only the lubricants listed in the Recommended Oil List. See page 0-9.
- The hydraulic system must be kept clean and free of contamination at all times.
- Do not weld on any part of the winch. Contact Allied Systems if weld repairs are needed.

Hydraulic Hazards

- Wear personal protective equipment, such as gloves and safety glasses, whenever servicing or checking a hydraulic system.
- Assume that all hydraulic hoses and components are pressurized. Relieve all hydraulic pressure before disconnecting any hydraulic line.
- Never try to stop or check for a hydraulic leak with any part of your body; use a piece of cardboard to check for hydraulic leaks.
- Small hydraulic hose leaks are extremely dangerous, and can inject hydraulic oil under the skin, even through gloves.



DANGER

Injection hazard.

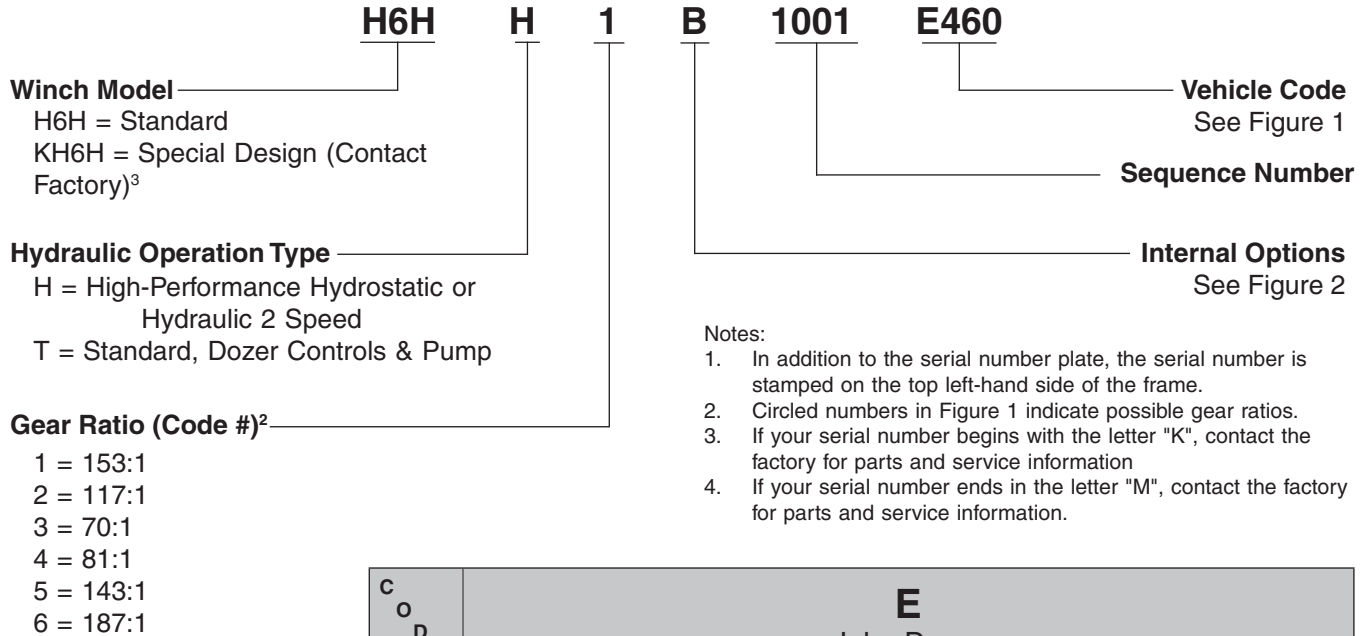
Infection and gangrene will result when hydraulic oil penetrates the skin. See a doctor immediately to prevent loss of limb or death.

Use a piece of cardboard to check for hydraulic leaks.



Unit Identification

Allied Winch S/N Nameplate Data For Dozer Mountings



Notes:

1. In addition to the serial number plate, the serial number is stamped on the top left-hand side of the frame.
2. Circled numbers in Figure 1 indicate possible gear ratios.
3. If your serial number begins with the letter "K", contact the factory for parts and service information
4. If your serial number ends in the letter "M", contact the factory for parts and service information.

C O D E	E John Deere
460	750/850J & 750/850K ①
465	750/850K with E/H Controls ①
47	Replaced by E460
48	Replaced by E460

Figure 1 - Dozer or Skidder Identification Codes and Available Gear Ratios

Circled numbers in Figure 1 indicate possible gear ratios.

	B	D	E	U	BN	DN	EN	DE	DU
FREESPOOL	X	X	X	X				X	X
BRAKE-OFF	X	X		X	X	X			X
OVERWIND	X	X	X		X	X	X	X	
2-SPEED CONTROL		X				X		X	X

Figure 2 - Internal Options

When the part number and the next higher assembly is not known:

1. Determine the function and application of the part required. Turn to the illustrated index page immediately behind the front cover, and select the most appropriate area.
2. Use the table of contents at the beginning of each chapter to determine the assembly which would normally contain the part required. Proceed then to locate the part on the assembly breakdown page.

When the part number is not known and the next higher assembly is known:

1. Determine the assembly the required part is used on. Turn to the master index (which immediately follows the illustrated index).
2. Locate the assembly on which the required part is used, and turn to the page indicated for that assembly. Proceed to locate the part on the assembly breakdown page.

When the part number is known:

Use the numerical index to find the part number. Turn to the page listed and locate the part as indicated by the reference number.

General:

The assembly breakdowns include part numbers, descriptions, quantities required, keys and footnotes to help in selecting the correct parts.

Keys are used to show effective serial numbers for two or more similar assemblies, LH and RH assembly parts, etc. Select the appropriate key, "A," "B," "C," or "D" and the corresponding Qty column to find the required parts.

Indent dots are used to indicate assemblies and sub-parts of assemblies. No dot indicates the major assembly. Part descriptions which are indented with dots are sub-parts of the major assembly shown above.

Quantities shown are for one assembly. Note that when two assemblies are shown, but the Qty of the sub-parts is indicated as three, this means three per assembly - for a total of six. AR means As Required, and NSS indicates Not Sold Separately.

Serial numbers are shown to allow for the most current parts information to be incorporated into the parts manual. See page 0-6 for serial number information.

Abbreviations

Abbreviations are used both on the winch and in this manual. For example, a manifold may have a port stamped "FS". That port is related to the "freespool" circuit. This abbreviation is also used on pages in this manual that reference this port, or the ports connected to this port. Figure 3 lists the most common abbreviations used in this manual.

Abbreviation	Full Name
P	Pressure
T	Tank
BO	Brake Off
FA	Filter Outlet
FE	Filter Inlet
FS	Freespool
HS	High Speed
LS	Load Sense
PD	Pilot Drain
PP	Pilot Pressure
PS	Pilot Supply
RI	Reel In
RO	Reel Out
TP	Test Port
TS	Temperature Switch

Figure 3 - Abbreviations

Oil Specifications

Oil Selection

To get the most suitable temperature-viscosity characteristics, choose one of the oils listed below.

Manufacturer	Winch Case (Gear Train)
Exxon-Mobil (standard)	Mobil Trans HD Series
Chevron (optional)	Drive Train Fluids HD
Caterpillar (optional)	TO-4

Figure 4 - Recommended Oil List

Factory fill is Exxon-Mobil Trans HD 30.

Note: This winch uses hydraulic fluid from the dozer. See Figure 4 for recommended gear train fluids. Contact the factory if alternate oils are required.

Use of a non-recommended oil may void the warranty.

Oil Capacity

Oil capacity for the H6H winch is 4 gallons (15 liters).

Viscosity Grade		Oil Operating Temperature Range		Typical Ambient Temperature Range	
ISO	SAE	°F	°C	°F	°C
VG 22	10W	-5 to 140	-20 to 60	-5 to 40	-20 to 4
VG 32	15W	10 to 160	-12 to 71	10 to 55	-20 to 13
VG 46	20	20 to 180	-7 to 82	20 to 70	-7 to 21
VG 68	20	30 to 200	-1 to 93	30 to 90	-1 to 32
VG 100	30	40 to 220	4 to 104	40 to 110	4 to 43

Figure 5 - Viscosity Chart

Ordering Parts

When ordering replacement parts, give the unit serial number, part number, name of part and quantity required.

For any further information on parts, service or ordering, consult your local winch dealer, or contact Allied Systems Company:

Allied Systems Company
21433 SW Oregon Street
Sherwood, OR 97140 U.S.A.

Phone: 503-625-2560

Fax: 503-625-5132

E-mail: parts@alliedsystems.com

Also see our website, www.alliedsystems.com, where the most current copy of this manual is always available.

NOTE: This publication may be translated to different languages for sole purpose of easy reference in non-English speaking locations. Should there be differences in interpretations to the text, please refer to the English language edition published by Allied Systems Company as the controlling document.

Nameplate & Decals

All Models

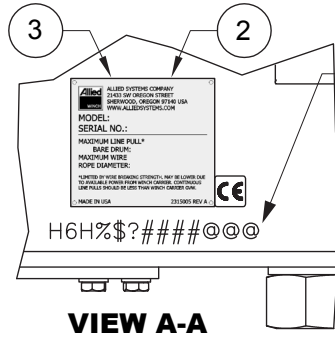
ALLIED SYSTEMS COMPANY
21433 SW OREGON STREET
SHERWOOD, OREGON 97140 USA
WWW.ALLIEDSYSTEMS.COM

MODEL: H6H 20##
SERIAL NO.: H6H%\$?#####@@@

MAXIMUM LINE PULL*
BARE DRUM: 88,800 LBS
MAXIMUM WIRE
ROPE DIAMETER: 1 INCH DIA

*LIMITED BY WIRE BREAKING STRENGTH. MAY BE LOWER DUE TO AVAILABLE POWER FROM WINCH CARRIER. CONTINUOUS LINE PULLS SHOULD BE LESS THAN WINCH CARRIER GVW.

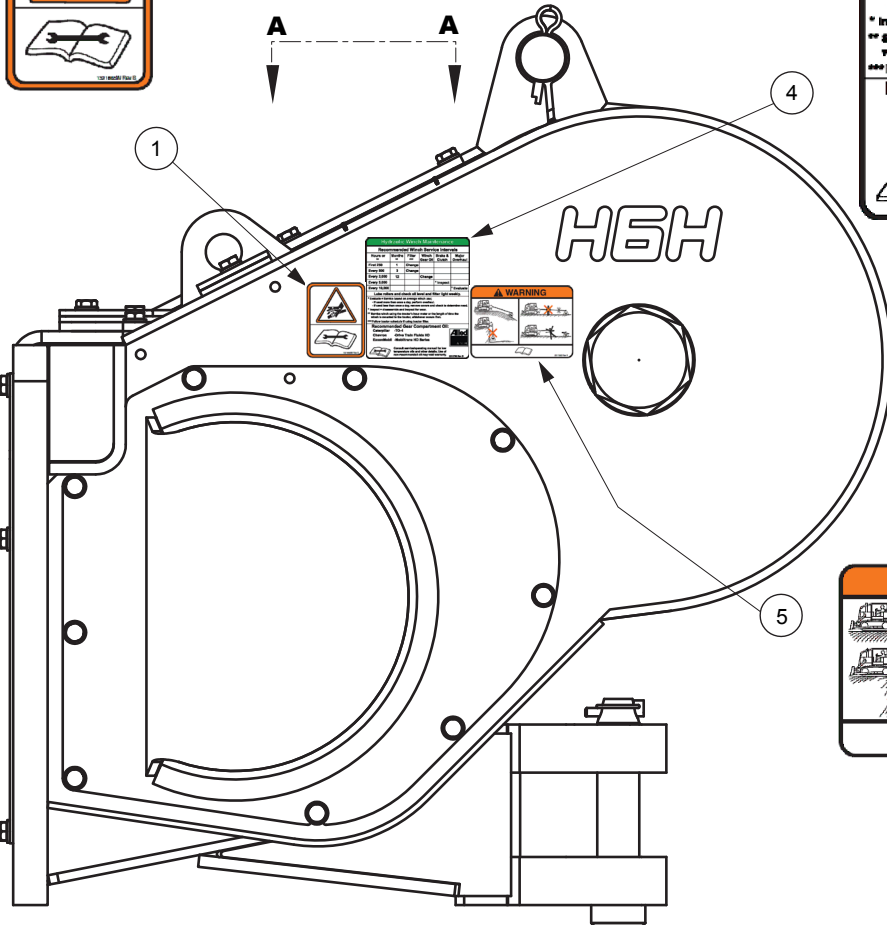
MADE IN USA 2315005 REV A



STAMP NAMEPLATE AND FRAME AS SHOWN
% = H (HI-PERFORMANCE) OR T (STANDARD)
\$ = GEAR RATIO CODE
? = INTERNAL OPTIONS
= SEQUENCE NUMBER
@@@ = VEHICLE CODE
SEE DRAWING 231271



40



Hydraulic Winch Maintenance

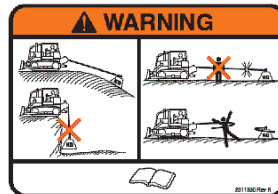
Recommended Winch Service Intervals					
Hours or mi	Months	Filter ***	Winch Gear Oil	Brake & Clutch	Major Overhaul
First 250	1	Change			
Every 500	3	Change			
Every 2,000	12		Change		
Every 5,000				* Inspect	
Every 10,000					* Evaluate

Lube rollers and check oil level and filter light weekly.

* Evaluate = Service based on average winch use;
- If used more than once a day, perform overhaul.
- If used less than once a day, remove covers and check to determine need.
* Inspect = disassemble and inspect for wear.
** Service winch using the tractor's hour meter or the length of time the winch is mounted to the tractor, whichever occurs first.
*** Follow tractor schedule if using tractor filter.

Recommended Gear Compartment Oil:
Caterpillar -TO-4
Chevron -Drive Train Fluids HD
ExxonMobil -Mobiltrans HD Series

Consult service/operating manual for low temperature oils and other details. Use of non-recommended oil may void warranty. 231079d Rev D



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1	1321665W	2	Decal, Warning	4	2310796	1	Decal, Maintenance
2	2315005	1	Nameplate	5	2311330	1	Decal, Load & Wire Rope
3	16602W	4	Screw	40	-----	AR	Label - CE Mark

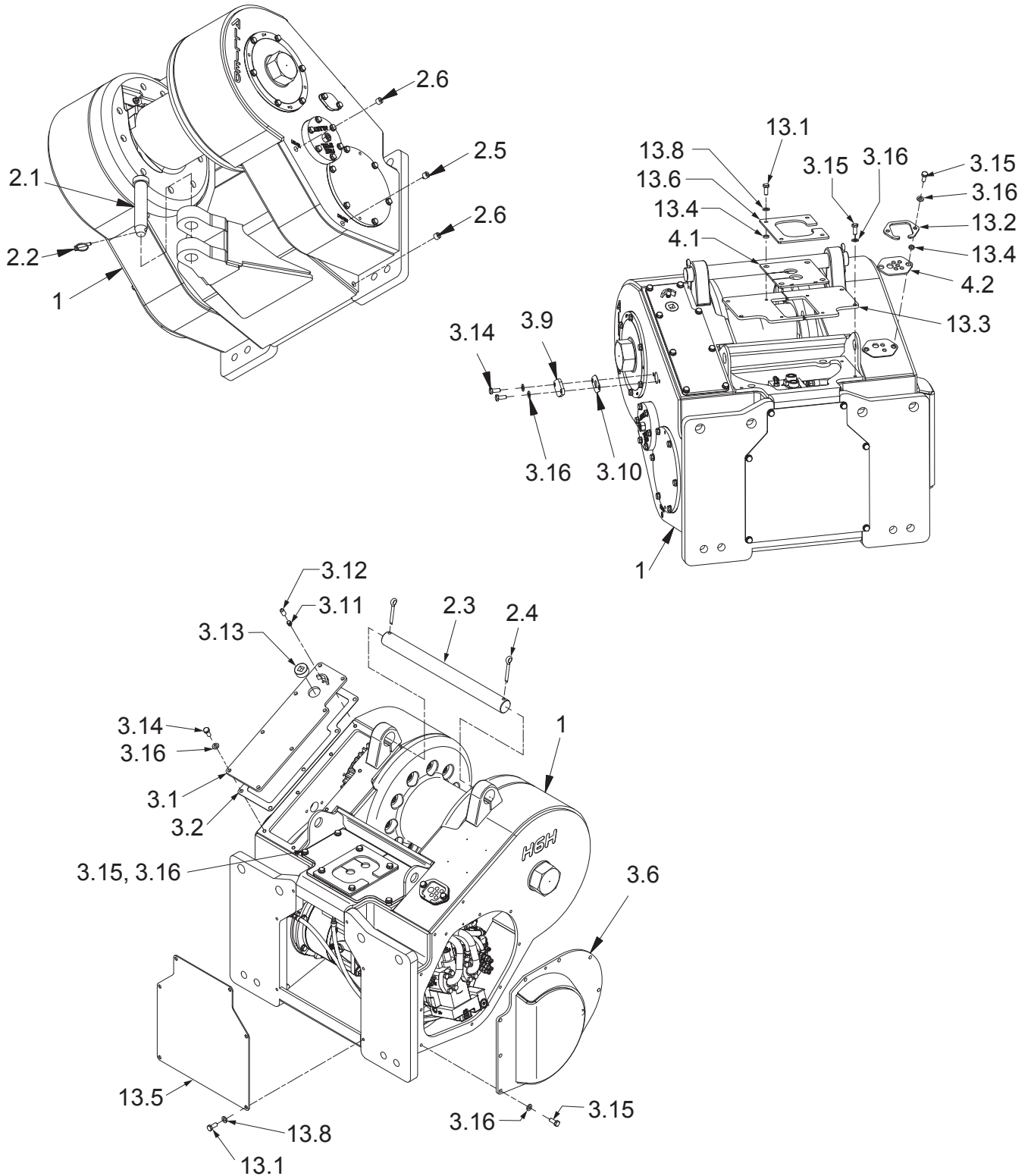
Intentionally Blank

Section 1
Frames/Covers/Mounting Parts

Frame/Covers

John Deere 750/850J (H6HH**E47), 750/850K (H6HH**E460)

Page 1 of 2



Frame/Covers

John Deere 750/850J (H6HH**E47), 750/850K (H6HH**E460)

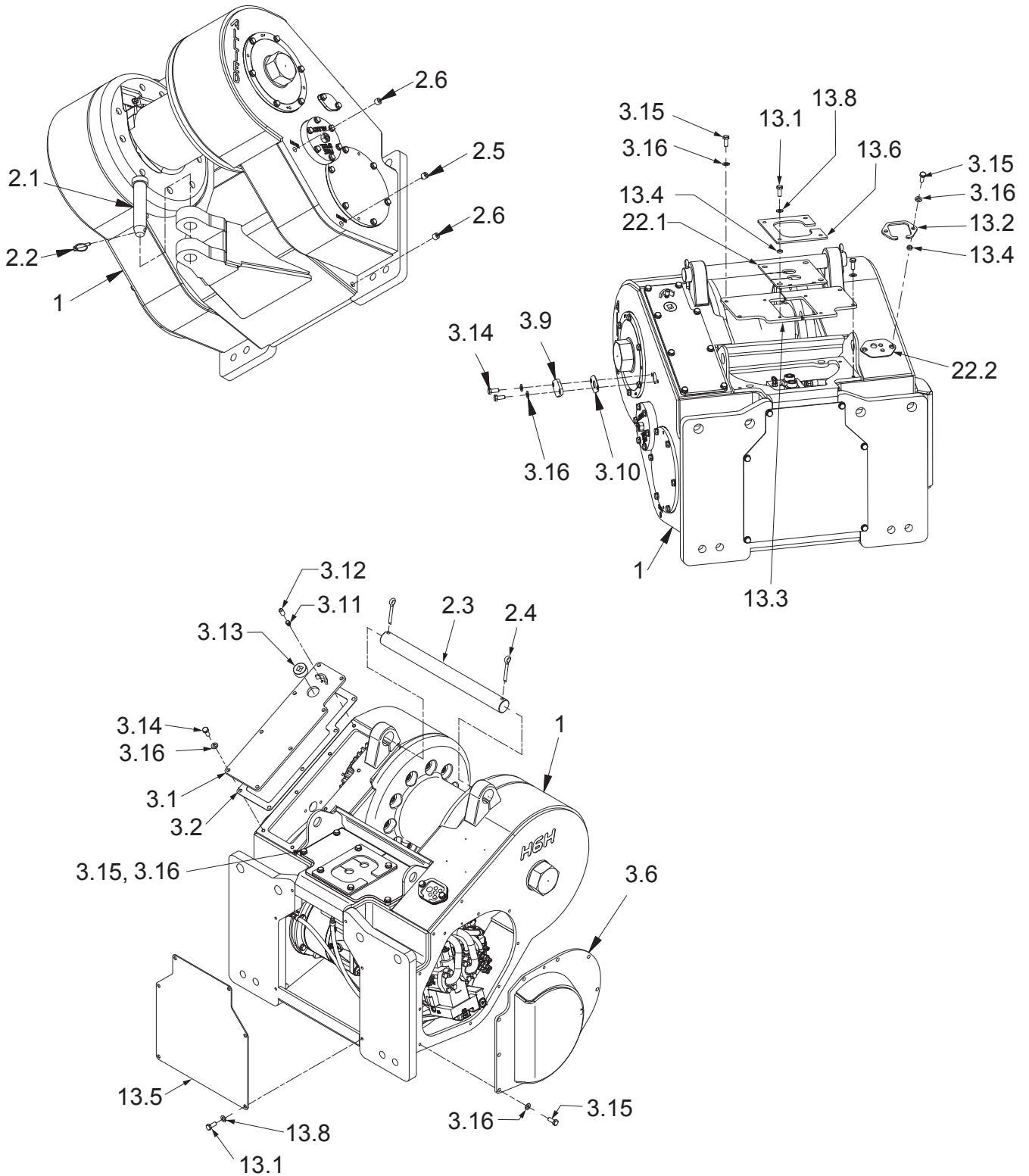
Page 2 of 2

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1	-----	1	Frame, H6H	3.15	293645W	15	Capscrew
2.1	95959W	1	Pin, Drawbar	3.16	296422W	25	Washer
2.2	2303221W	1	Pin, Retaining	4.1	2312008	1	Seal, Top
2.3	2312580	1	Rod, Tie	4.2	2312118	1	Seal, Top LH
2.4	15272W	2	Pin	13.1	293645W	10	Capscrew
2.5	15290W	1	Fitting	13.2	2312117	1	Cover
2.6	15315W	2	Fitting	13.3	2313380	2	Cover, Top
3.1	2312048	1	Cover, Top RH	13.4	2312119	6	Spacer
3.2	2312045	1	Gasket, Top RH	13.5	2312046	1	Cover, Front
3.6	2316162	1	Cover, LH	13.6	2312006	1	Clamp, Top
3.9	151589W	1	Cover, Freespool	13.8	296422W	10	Washer
3.10	151646W	1	Gasket, Freespool				
3.11	21420W	1	Plug, Breather				
3.12	2300962W	1	Cap, Breather				
3.13	15319W	1	Fitting				
3.14	2312486	10	Capscrew				

Frame/Covers

John Deere 750/850K with E/H Controls (H6HH**E465)

Page 1 of 2



Frame/Covers

John Deere 750/850K with E/H Controls (H6HH**E465)

Page 2 of 2

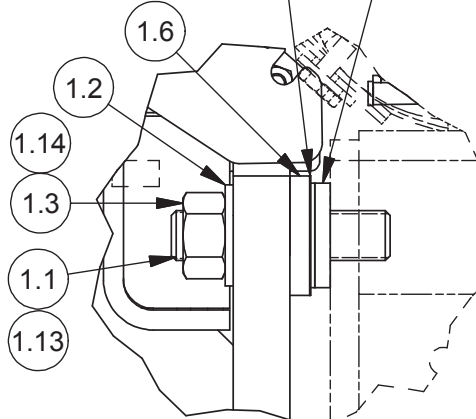
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1	-----	1	Frame, H6H	3.13	15319W	1	Fitting
2.1	95959W	1	Pin, Drawbar	3.14	2312486	10	Capscrew
2.2	2303221W	1	Pin, Retaining	3.15	293645W	15	Capscrew
2.3	2312580	1	Rod, Tie	3.16	296422W	25	Washer
2.4	15272W	2	Pin	13.1	293645W	10	Capscrew
2.5	15290W	1	Fitting	13.2	2312117	1	Cover
2.6	15315W	2	Fitting	13.3	2313380	2	Cover, Top
3.1	2312048	1	Cover, Top RH	13.4	2312119	6	Spacer
3.2	2312045	1	Gasket, Top RH	13.5	2312046	1	Cover, Front
3.6	2316162	1	Cover, LH	13.6	2312006	1	Clamp, Top
3.9	151589W	1	Cover, Freespool	13.8	296422W	10	Washer
3.10	151646W	1	Gasket, Freespool	22.1	2312009	1	Seal, Hose
3.11	21420W	1	Plug, Breather	22.2	2313831	1	Seal - Top LH
3.12	2300962W	1	Cap, Breather				

Mounting Parts

John Deere 750/850J (H6HH**E47), 750/850K (H6HH**E460)

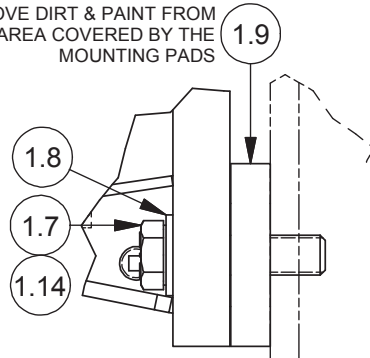
Page 1 of 2

AS REQUIRED TO PRODUCE
A FLATNESS WITHIN 0.015" (1.5) REMOVE DIRT & PAINT
TRIM REAR TRACTOR
COVER IF NEEDED (1.4)

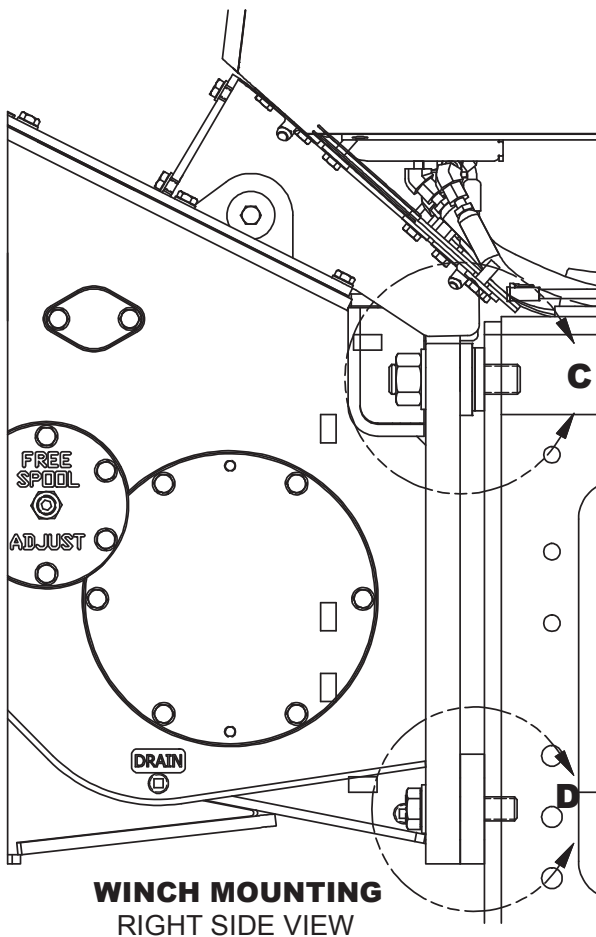


DETAIL C
UPPER WINCH MOUNTING

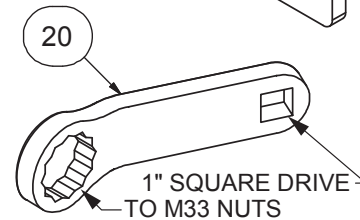
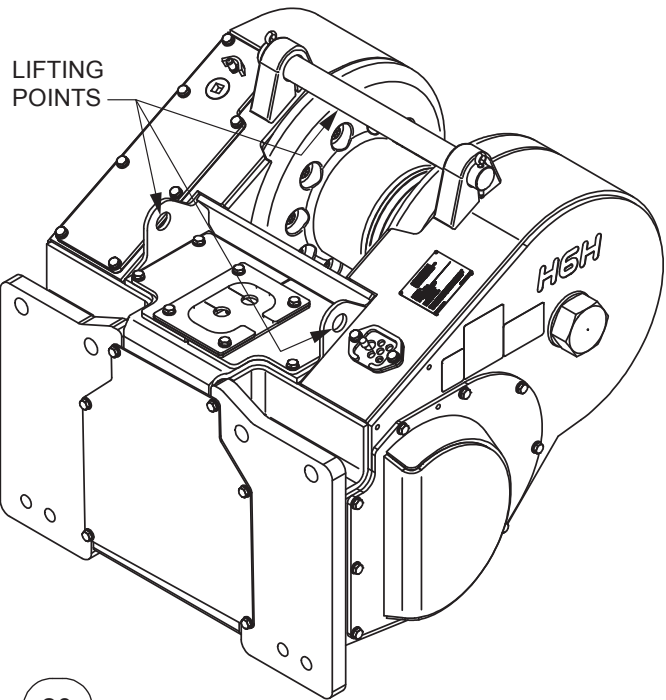
REMOVE DIRT & PAINT FROM
THE AREA COVERED BY THE
MOUNTING PADS (1.9)



DETAIL D
LOWER WINCH MOUNTING



WINCH MOUNTING
RIGHT SIDE VIEW

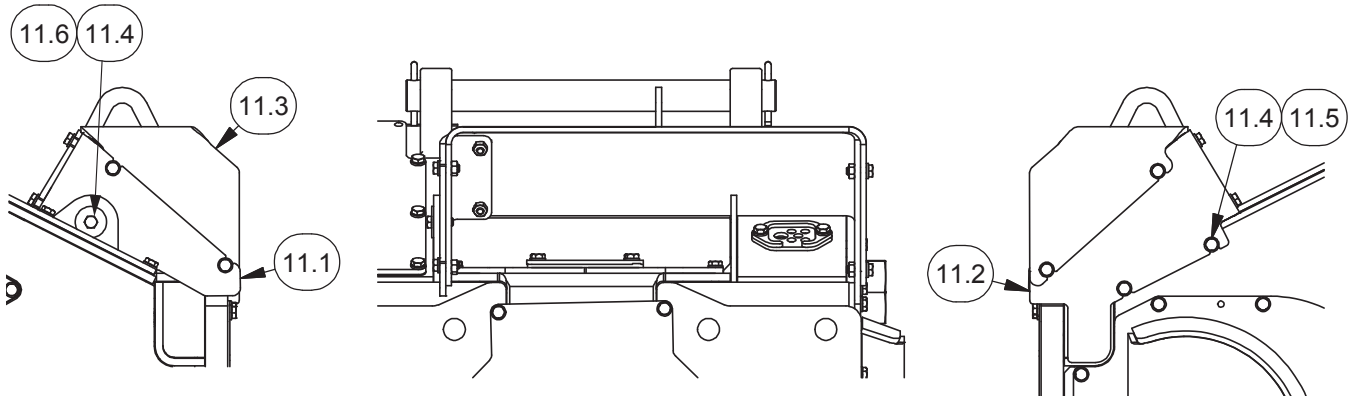


**TORQUE WRENCH
EXTENDER**

Mounting Parts

John Deere 750/850J (H6HH**E47), 750/850K (H6HH**E460)

Page 2 of 2

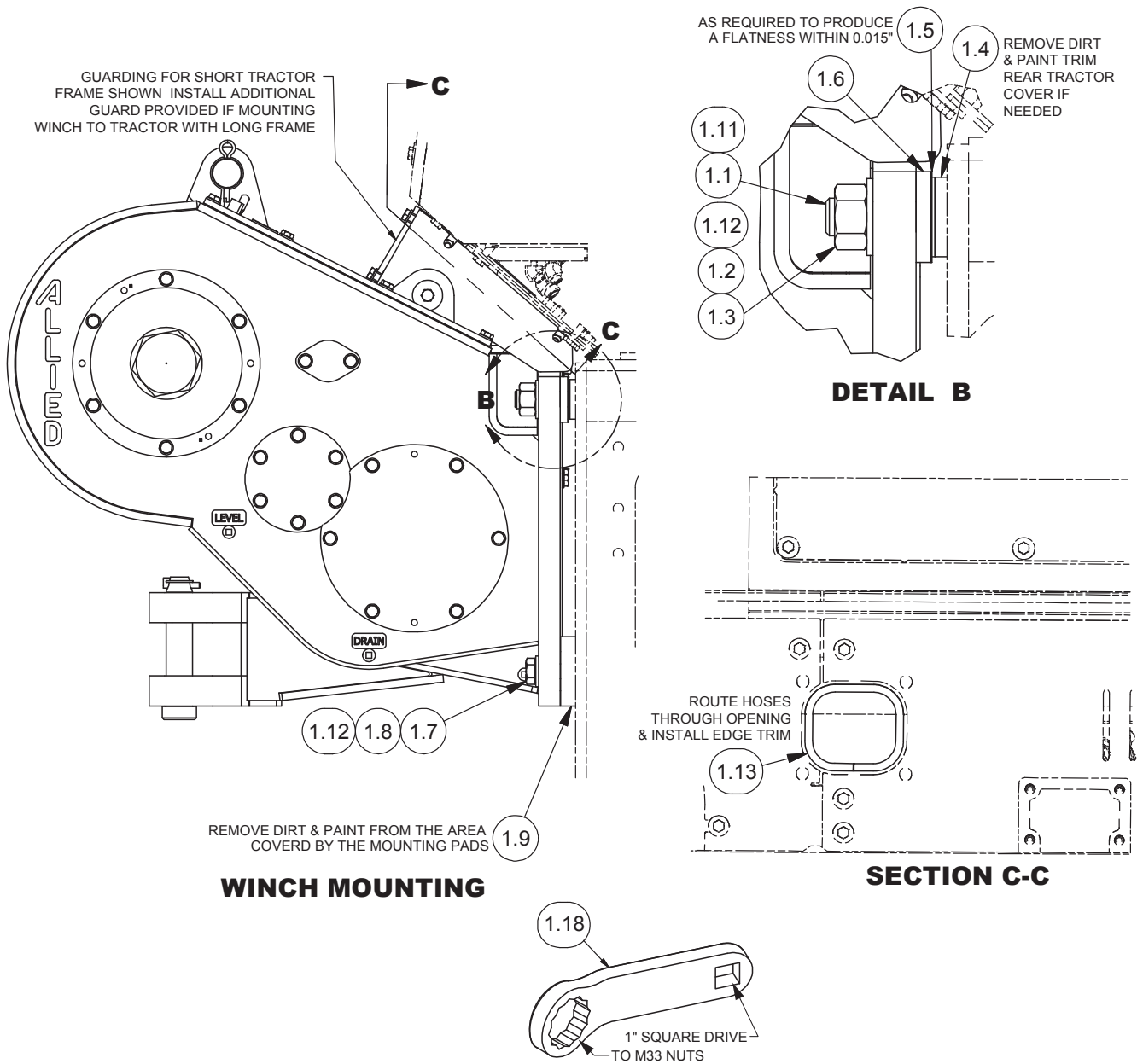


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1.1	2300783W	4	Stud	1.14	318702W	10 ML	Thread Lock, Med. Strength
1.2	15128W	4	Washer	11.1	2312840	1	Guard, RH
1.3	221725W	4	Nut	11.2	2312842	1	Guard, LH
1.4	2301529W	4	Spherical Washer	11.3	2312844	1	Guard, Upper
1.5	223453W	AR	Shim	11.4	293646W	9	Capscrew
1.6	2312846	2	Pad, Top Mounting	11.5	296422W	8	Washer
1.7	Y17C-1664	4	Capscrew	11.6	2305715W	1	Washer
1.8	221780W	4	Washer	20	2310958	1	Wrench, Torque Extension
1.9	2312847	2	Pad, Bottom Mounting				
1.13	230064W	1	Loctite Kit				

Mounting Parts

John Deere 750/850K (H6HH**E465)

Page 1 of 1

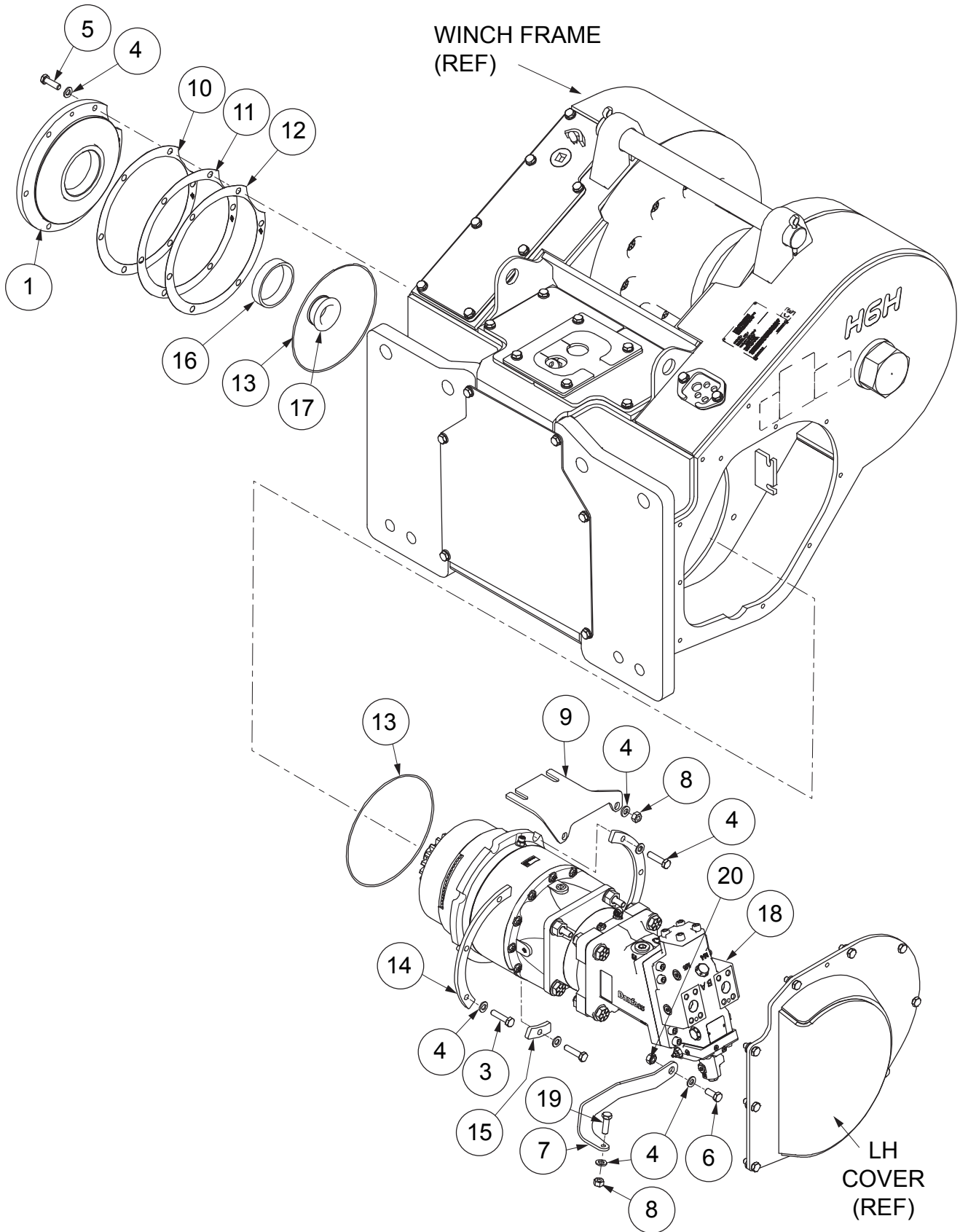


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1.1	2300783W	4	Stud	1.8	221780W	4	Washer
1.2	225851	4	Washer	1.9	2312847	2	Pad, Mounting Top
1.3	221725W	4	Nut, Hex	1.11	230064W	1	Loctite Kit
1.4	2301529W	4	Washer	1.12	318702W	10 ML	Thread Lock-Med Strength
1.5	2312090	AR	Shim	1.13	225871	1	Edge Trim
1.6	2312846	2	Pad, Mounting Top	1.18	2312331	1	Wrench, Extension Torque
1.7	Y17C-1664	4	Capscrew				

Section 2
Gear/Shaft Train

Motor Shaft Group

Page 1 of 2

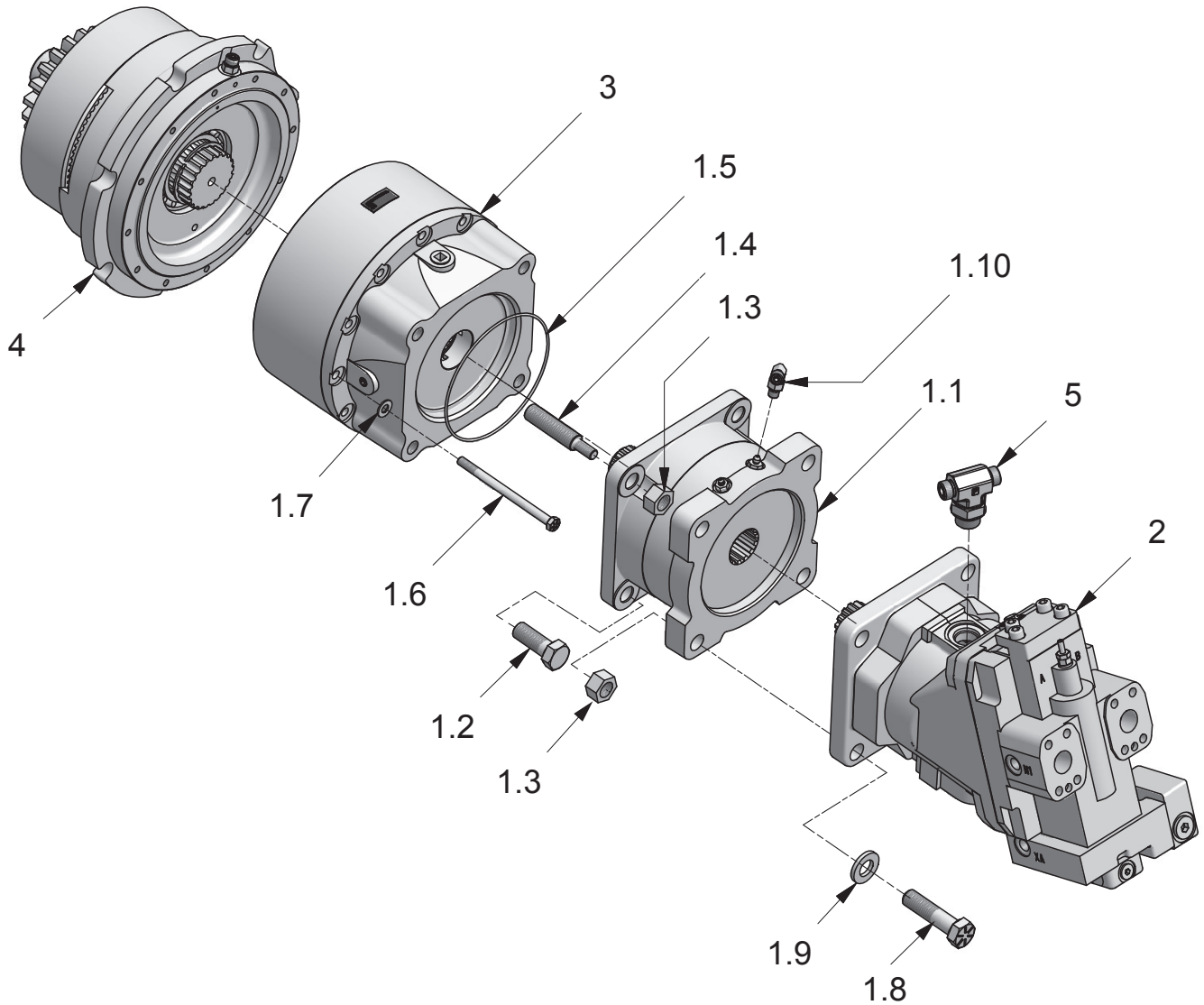


Motor Shaft Group

Page 2 of 2

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2311819		Motor Shaft Group				
1	2311857	1	. Cover, Bearing	14	2311917	2	. Plate, Clamp
3	2312488	7	. Capscrew	15	2311918	1	. Plate, Clamp
4	296422W	19	. Washer	16	*b 2300668W	1	. Cup, Bearing
5	2312487	6	. Capscrew	17	*b 2300669W	1	. Cone, Bearing
6	293645W	1	. Capscrew	18	- - - -	1	. Assy, Motor Shaft
7	*c 2316491	1	. Bracket, Motor Support	19	293647W	1	. Capscrew
7	*d 2312036	1	. Bracket, Motor Support	20	2305130W	1	. Nut, Bracket Support
8	292656W	3	. Nut				
9	2312018	1	. Plate, Manifold Bracket				
10	2312061	AR	. Shim .020"	*a	Included in Motor, Reducer & Brake Assembly Rebuild Kit 2314659		
11	2312059	AR	. Shim .005"				
12	2312060	AR	. Shim .007"	*b	Included in Intermediate/Drum Shaft & Brake Assembly Rebuild Kit 2314660		
13	*a 203564	2	. O-Ring	*c	First Used S/N 1714		
				*d	Last Used S/N 1713		

Motor Shaft Assembly



Motor Shaft Assembly

John Deere 750/850J & 750/850K (H6HH3B**E47)

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2312967		Assembly, Motor Shaft				
1.1	*a 2312155	1	. Brake, D Mount Dry Disk	NS	2313890	1	.. O-Ring, Pilot Motor
1.2	Y17C-1232	2	. Capscrew	NS	2313891	1	.. Kit, Shaft Seal
1.3	221716W	6	. Nut	3	2312965	1	. Reducer, Planetary
1.4	2312041	2	. Stud	4	*c 2312966	1	. Assy, Shaft
1.5	*b 237349	1	. O-Ring	5	R833260	1	. Fitting, Motor Case Drain
1.6	R13801826	12	. Capscrew				
1.7	221767W	12	. Washer				
1.8	177192W	4	. Capscrew	*a	See page 33 for details		
1.9	221777W	4	. Washer	*b	Included in Motor, Reducer & Brake Assembly		
1.10	R833251	1	. Fitting		Rebuild Kit 2314659		
2	2312839	1	. Motor, Hydraulic	*c	See page 29 for details		
				NS	Not Shown		

Motor Shaft Assembly

John Deere 750/850J & 750/850K (H6HH1B**E47/E48/E460) Last Used S/N 1713

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2312836		Assembly, Motor Shaft				
1.1	*a 2312155	1	. Brake, D Mount Dry Disk	1.9	221777W	4	. Washer
1.2	Y17C-1232	2	. Capscrew	1.10	R833251	1	. Fitting
1.3	221716W	6	. Nut	2	*f 2312839	1	. Motor, Hydraulic
1.4	2312041	2	. Stud		NS 2313890	1	. . O-Ring, Pilot Motor
1.5	*b 237349	1	. O-Ring		NS 2313891	1	. . Kit, Shaft Seal
1.6	R13801826	12	. Capscrew	3	2311883	1	. Reducer, Planetary
1.7	221767W	12	. Washer	4	*c 2312928	1	. Assy, Shaft
1.8	177192W	4	. Capscrew	5	R833260	1	. Fitting, Motor Case Drain

Motor Shaft Assembly

John Deere 750/850J & 750/850K (H6HH1B**E460) First Used S/N 1714

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2316142		Assembly, Motor Shaft				
1.1	*a 2312155	1	. Brake, D Mount Dry Dis	1.9	221777W	4	. Washer
1.2	Y17C-1232	2	. Capscrew	1.10	R833251	1	. Fitting
1.3	221716W	6	. Nut	2	2315633	1	. Motor, Hydraulic
1.4	2312041	2	. Stud		NS 2313890	1	. . O-Ring, Pilot Motor
1.5	*b 237349	1	. O-Ring		NS 2316156	1	. . Kit, Shaft Seal
1.6	R13801826	12	. Capscrew	3	2311883	1	. Reducer, Planetary
1.7	221767W	12	. Washer	4	*c 2312928	1	. Assy, Shaft
1.8	177192W	4	. Capscrew	5	*d -----	NA	. Fitting, Motor Case Drain

Motor Shaft Assembly

John Deere 750/850J & 750/850K (H6HH1E**E47/48/E460) Last Used S/N 1713

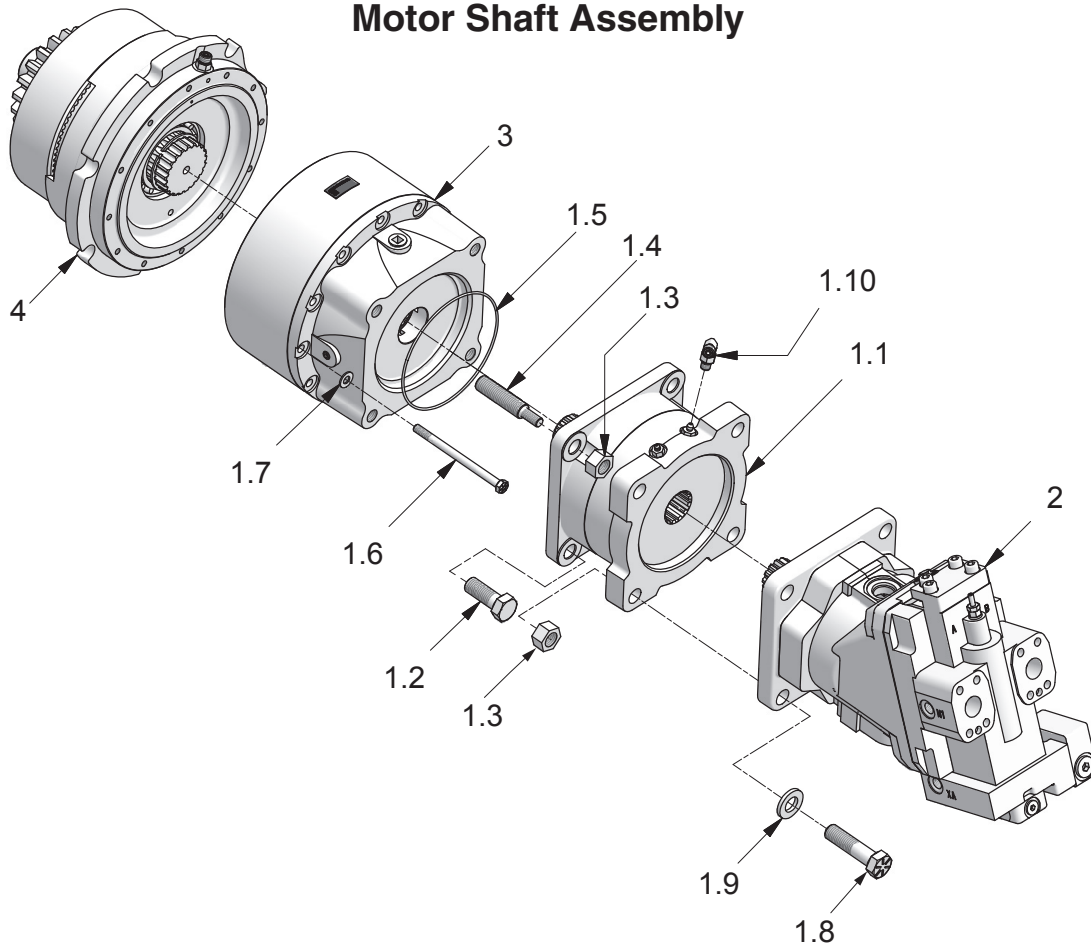
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2312912		Assembly, Motor Shaft				
1.1	*a 2312155	1	. Brake, D Mount Dry Disk	1.9	221777W	4	. Washer
1.2	Y17C-1232	2	. Capscrew	1.10	R833251	1	. Fitting
1.3	221716W	6	. Nut	2	*f 2312839	1	. Motor, Hydraulic
1.4	2312041	2	. Stud		NS 2313890	1	. . O-Ring, Pilot Motor
1.5	*b 237349	1	. O-Ring		NS 2313891	1	. . Kit, Shaft Seal
1.6	R13801826	12	. Capscrew	3	2311883	1	. Reducer, Planetary
1.7	221767W	12	. Washer	4	*e 2312929	1	. Assy, Shaft
1.8	177192W	4	. Capscrew	5	R833260	1	. Fitting, Motor Case Drain

Motor Shaft Assembly

John Deere 750/850J & 750/850K (H6HH1E**E460) First Used S/N 1714

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2316144		Assembly, Motor Shaft				
1.1	*a 2312155	1	. Brake, D Mount Dry Disk		NS 2316156	1	. . Kit, Shaft Seal
1.2	Y17C-1232	2	. Capscrew	3	2311883	1	. Reducer, Planetary
1.3	221716W	6	. Nut	4	*e 2312929	1	. Assy, Shaft
1.4	2312041	2	. Stud	5	*d -----	NA	. Fitting, Motor Case Drain
1.5	*b 237349	1	. O-Ring				
1.6	R13801826	12	. Capscrew				
1.7	221767W	12	. Washer	*a	See page 33 for details		
1.8	177192W	4	. Capscrew	*b	Included in Motor, Reducer & Brake Assembly		
1.9	221777W	4	. Washer		Rebuild Kit 2314659		
1.10	R833251	1	. Fitting	*c	See page 28 for details		
2	2315633	1	. Motor, Hydraulic	*d	See page 45 for details		
	NS 2313890	1	. . O-Ring, Pilot Motor	*e	See page 30 for details		
				*f	See page 26 for Motor Replacement Kit details		
				NS	Not Shown		

Motor Shaft Assembly



Motor Shaft Assembly

John Deere 750/850K (H6HH1D**E465) Last Used S/N 1713 w/BRAKE-OFF

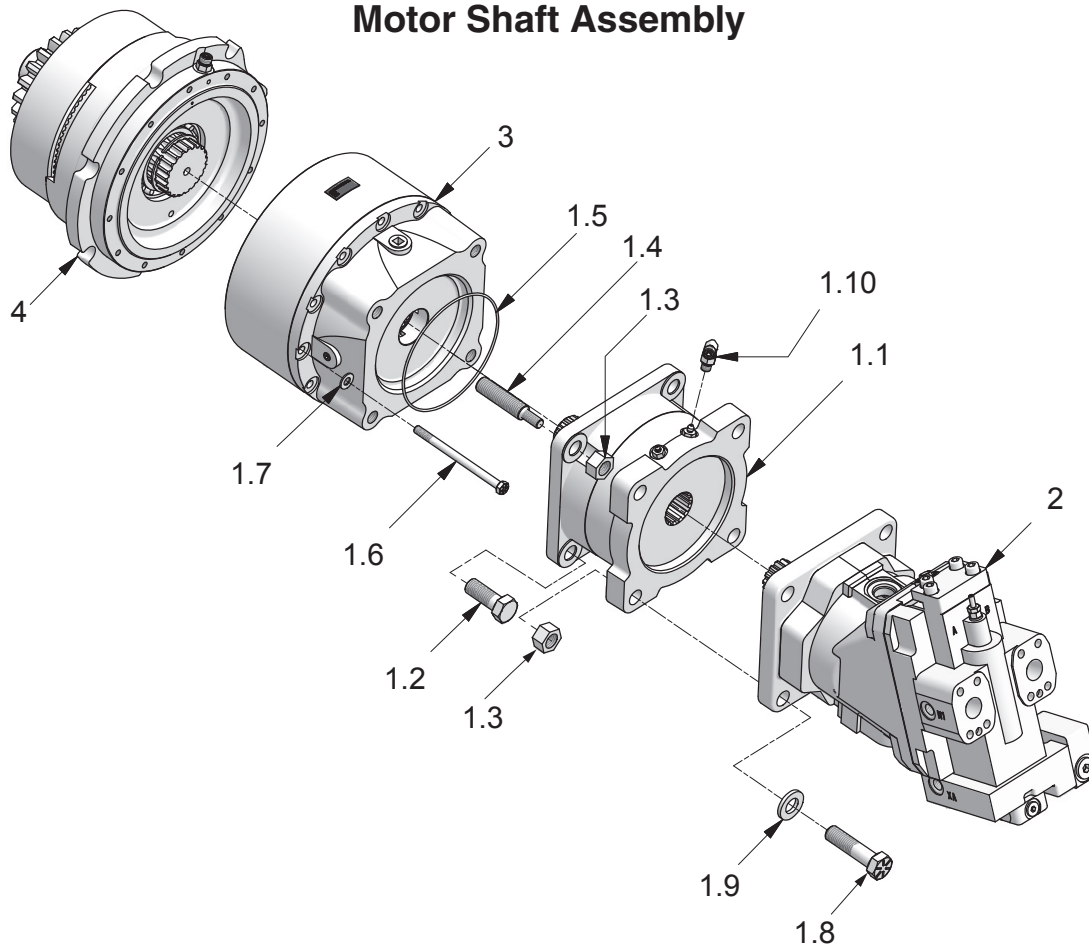
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2312836		Assembly, Motor Shaft				
1.1	*a 2312155	1	. Brake, D Mount Dry Disk	1.9	221777W	4	. Washer
1.2	Y17C-1232	2	. Capscrew	1.10	R833251	1	. Fitting
1.3	221716W	6	. Nut	2	*e 2312839	1	. Motor, Hydraulic
1.4	2312041	2	. Stud	NS	2313890	1	. . O-Ring, Pilot Motor
1.5	*b 237349	1	. O-Ring	NS	2313891	1	. . Kit, Shaft Seal
1.6	R13801826	12	. Capscrew	3	2311883	1	. Reducer, Planetary
1.7	221767W	12	. Washer	4	*c 2312928	1	. Assy, Shaft
1.8	177192W	4	. Capscrew	5	R833260	1	. Fitting, Motor Case Drain

Motor Shaft Assembly

John Deere 750/850K (H6HH1D**E465) First Used S/N 1714 w/BRAKE-OFF

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2316142		Assembly, Motor Shaft				
1.1	*a 2312155	1	. Brake, D Mount Dry Disk	NS	2313891	1	. . Kit, Shaft Seal
1.2	Y17C-1232	2	. Capscrew	3	2311883	1	. Reducer, Planetary
1.3	221716W	6	. Nut	4	*c 2312929	1	. Assy, Shaft
1.4	2312041	2	. Stud	5	*d - - - - -	NA	. Fitting, Motor Case Drain
1.5	*b 237349	1	. O-Ring				
1.6	R13801826	12	. Capscrew	*a	See page 33 for details		
1.7	221767W	12	. Washer	*b	Included in Motor, Reducer & Brake Assembly		
1.8	177192W	4	. Capscrew		Rebuild Kit 2314659		
1.9	221777W	4	. Washer	*c	See page 28 for details		
1.10	R833251	1	. Fitting	*d	See page 57 for details		
2	2315633	1	. Motor, Hydraulic	*e	See page 26 for Motor Replacement Kit details		
	NS 2313890	1	. . O-Ring, Pilot Motor	NS	Not Shown		

Motor Shaft Assembly



Motor Shaft Assembly

John Deere 750/850K (H6HH1DE**E465) Last Used S/N 1713 w/o BRAKE-OFF

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
2316142				Assembly, Motor Shaft			
1.1	*a 2312155	1	. Brake, D Mount Dry Disk	1.9	221777W	4	. Washer
1.2	Y17C-1232	2	. Capscrew	1.10	R833251	1	. Fitting
1.3	221716W	6	. Nut	2	*e 2312839	1	. Motor, Hydraulic
1.4	2312041	2	. Stud	NS	2313890	1	. . O-Ring, Pilot Motor
1.5	*b 237349	1	. O-Ring	NS	2313891	1	. . Kit, Shaft Seal
1.6	R13801826	12	. Capscrew	3	2311883	1	. Reducer, Planetary
1.7	221767W	12	. Washer	4	*c 2312928	1	. Assy, Shaft
1.8	177192W	4	. Capscrew				

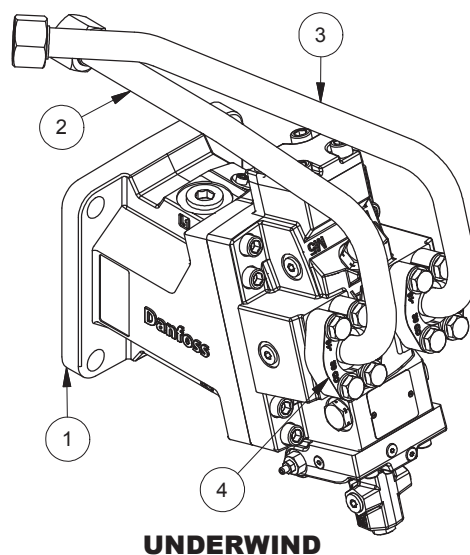
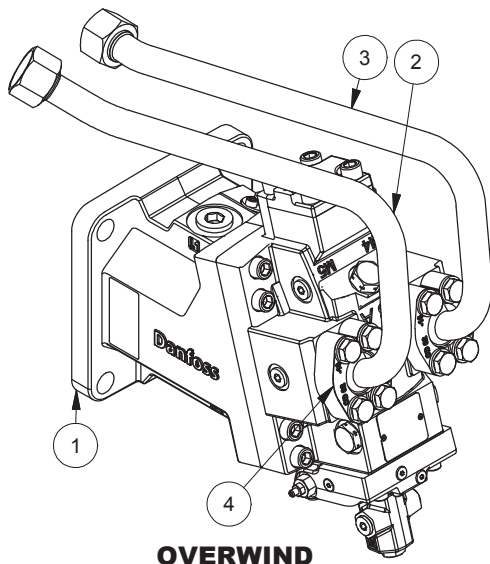
Motor Shaft Assembly

John Deere 750/850K (H6HH1DE**E465) First Used S/N 1714 w/o BRAKE-OFF

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
2316144				Assembly, Motor Shaft			
1.1	*a 2312155	1	. Brake, D Mount Dry Disk	NS	2313891	1	. . Kit, Shaft Seal
1.2	Y17C-1232	2	. Capscrew	3	2311883	1	. Reducer, Planetary
1.3	221716W	6	. Nut	4	*c 2312929	1	. Assy, Shaft
1.4	2312041	2	. Stud	5	*d -----	NA	. Fitting, Motor Case Drain
1.5	*b 237349	1	. O-Ring				
1.6	R13801826	12	. Capscrew	*a	See page 33 for details		
1.7	221767W	12	. Washer	*b	Included in Motor, Reducer & Brake Assembly		
1.8	177192W	4	. Capscrew		Rebuild Kit 2314659		
1.9	221777W	4	. Washer	*c	See page 28 for details		
1.10	R833251	1	. Fitting	*d	See page 57 for details		
2	2315633	1	. Motor, Hydraulic	*e	See page 26 for Motor Replacement Kit details		
NS	2313890	1	. . O-Ring, Pilot Motor	NS	Not Shown		

Motor Replacement Kit

Page 1 of 2



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1	*a	-----	1	Motor - Hyd; Danfoss H1B			
2	*a	-----	2	Tube Assy - Motor A			
3	*a	-----	6	Tube Assy - Motor B			
4		592255	2	Kit, Split Flange			

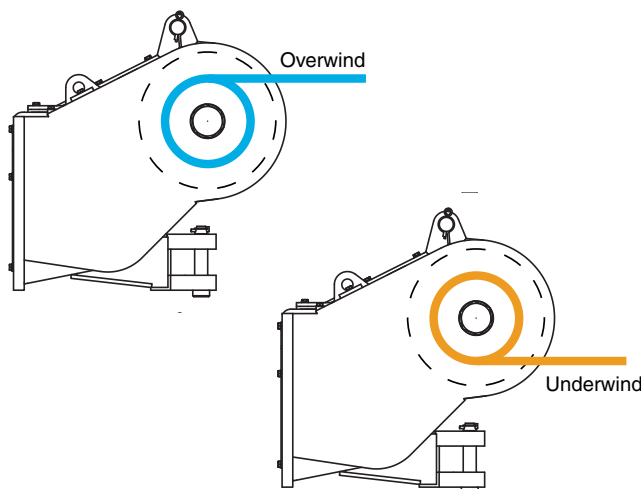
*a Refer to the chart below to determine replacement parts for cancelled motors

Winch Model	Kit Part Number:	Overwind/ Underwind	Cancelled Motor:	Item 1 (Current Motor):	Item 2 (Tube A):	Item 3 (Tube B):		
H6HH1B**E47/ E460	2316860	O	2312839	2315633	2316108	2316109		
	2316861	U			2316714	2316715		
H6HH1E**E47/ E460	2316860	O					2316108	2316109
	2316861	U					2316714	2316715
H6HH3B**E47/ E460	2316860	O					2316108	2316109
	2316861	U					2316714	2316715

Notes:

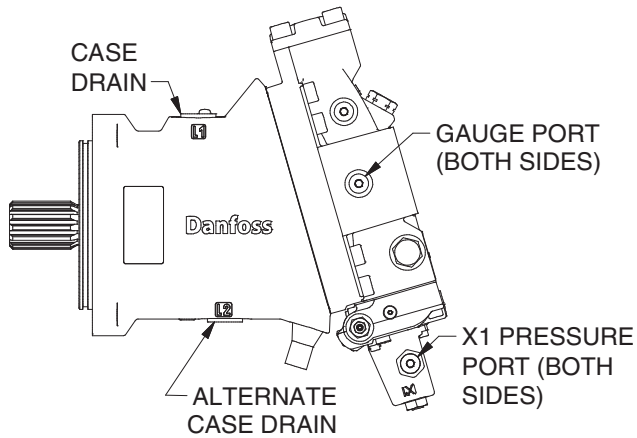
Use this chart to determine which H1B motor replaces the cancelled 51V motor.

Be sure to note whether your motor is overwind or underwind to get the appropriate kit. Each kit contains all the components needed to convert your winch to the current motor.

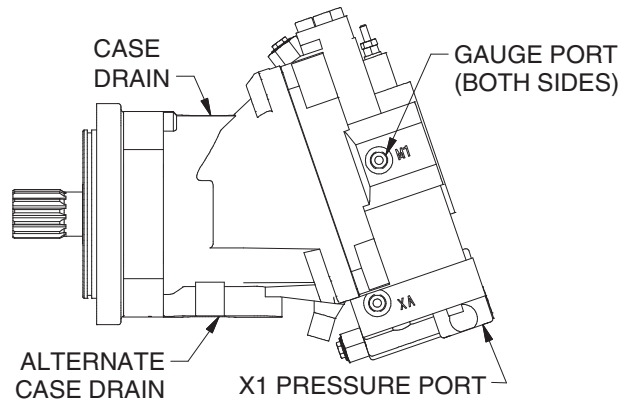


Motor Replacement Kit

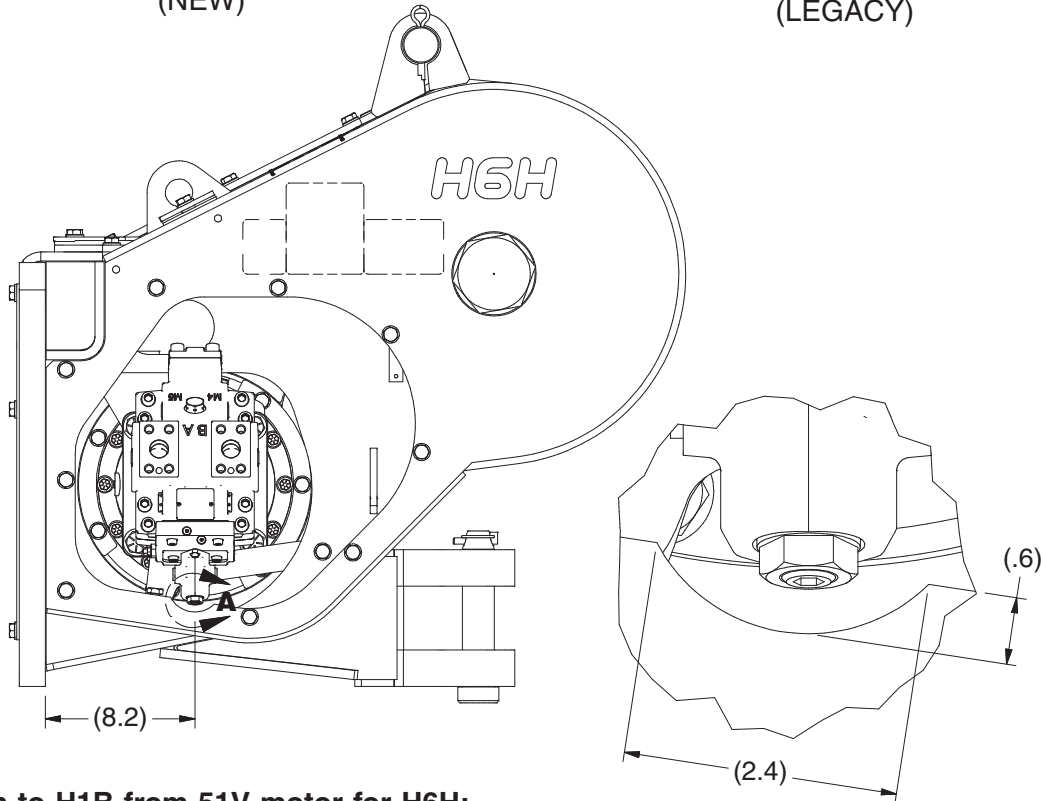
Page 2 of 2



**H1B MOTOR
(NEW)**



**51V MOTOR
(LEGACY)**

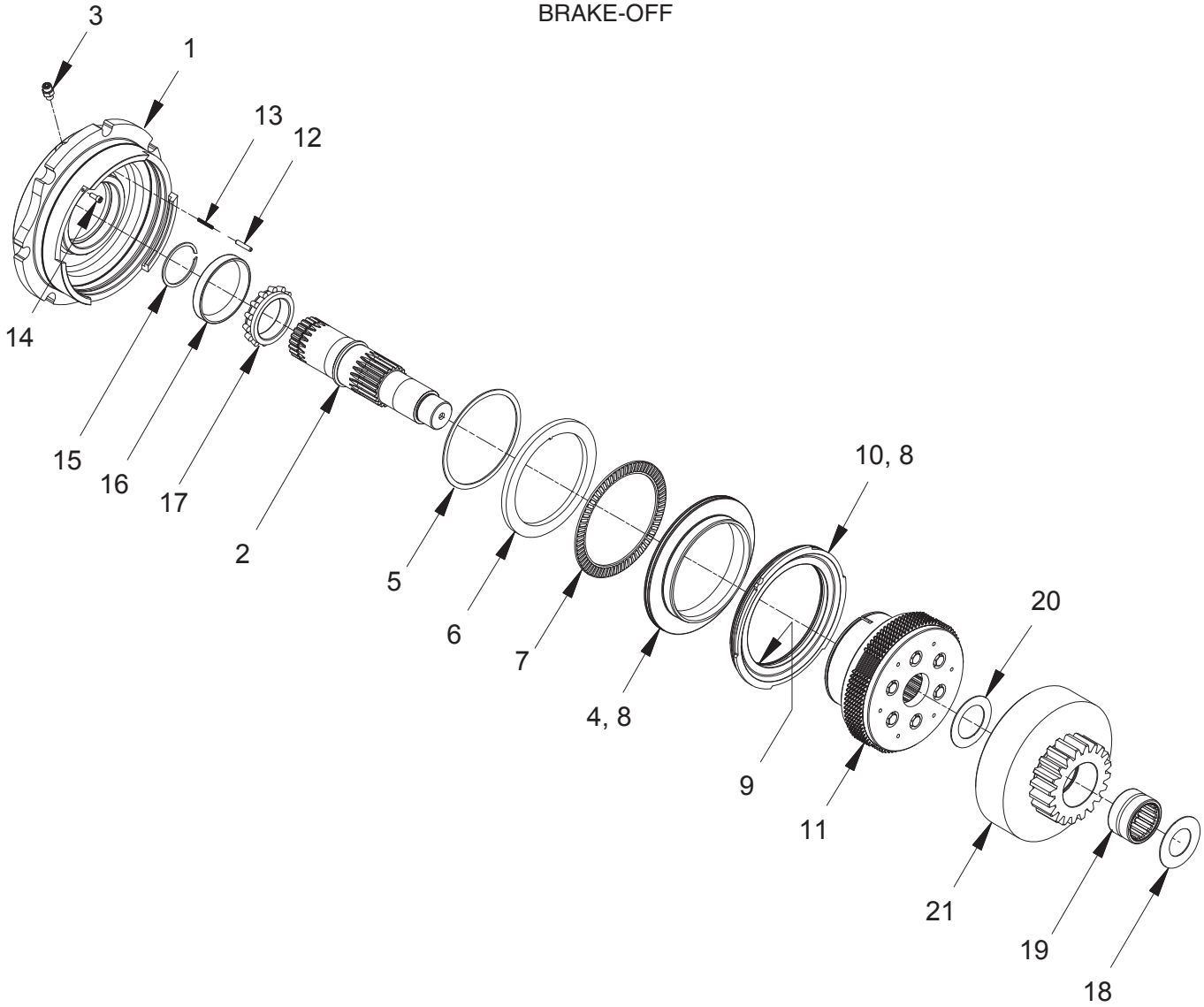


DETAIL A

Conversion to H1B from 51V motor for H6H:

1. Remove material from the winch frame as seen in Detail A to allow the new H1B motor to fit. More material may be removed if necessary for fit.
2. Material may be removed from the cover as necessary to allow the new motor to fit.

Shaft Assembly BRAKE-OFF

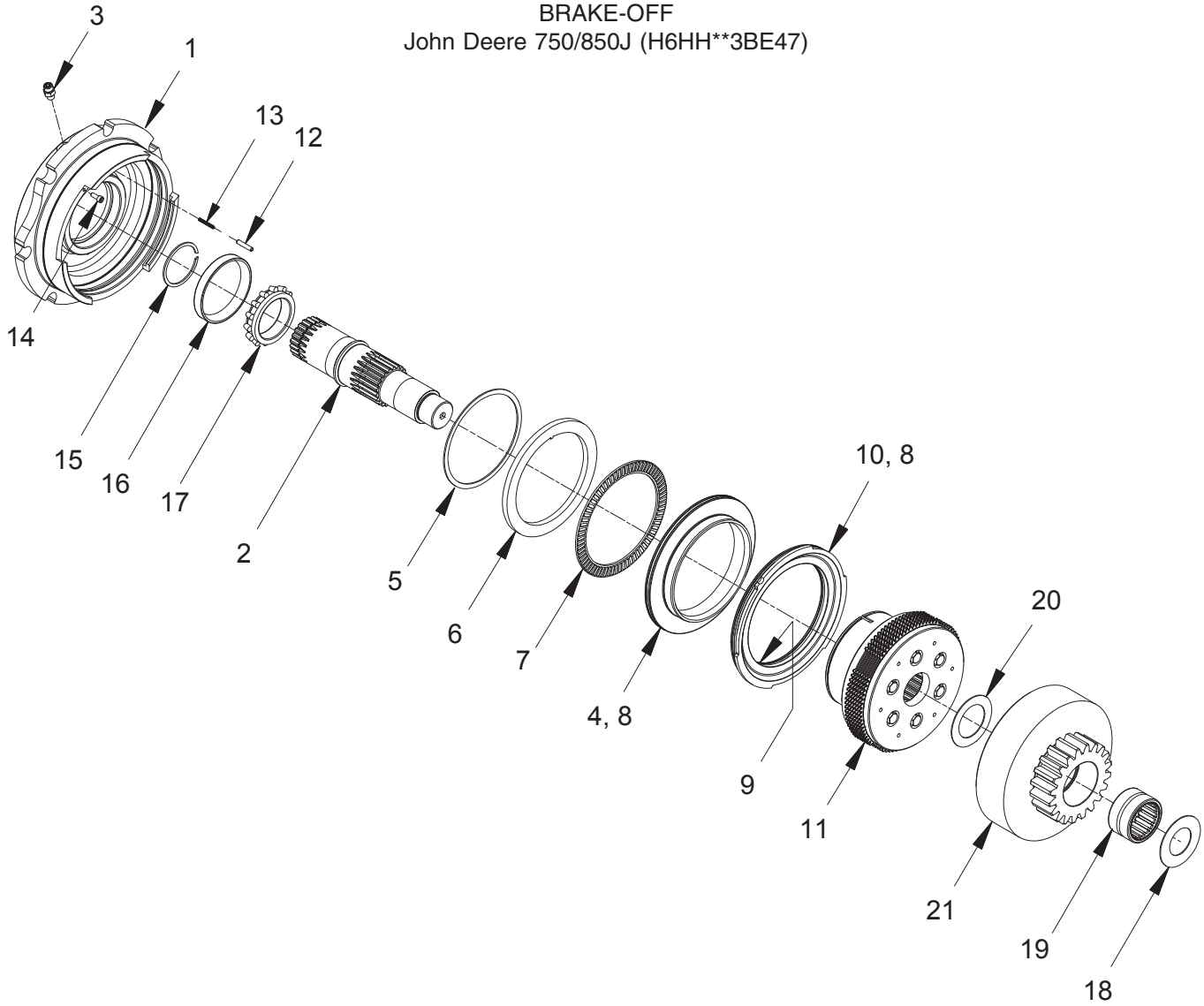


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2312928		Assy, BRAKE-OFF Shaft				
1	2311855	1	. Housing, Clutch	14	R13811617	1	. Capscrew
2	2311856	1	. Shaft, Clutch	15	2311684	1	. Ring, Snap
3	231439	1	. Fitting	16	137153W	1	. Cup, Roller Bearing
4	2312039	1	. Piston, Clutch	17	137155W	1	. Cone, Roller Bearing
5	2311683	1	. Ring, Snap	18	2311869	1	. Shim .062"
6	2312442	1	. Ring, Thrust	19	230407W	1	. Bearing
7	2311655	1	. Brg, Thrust Needle Roller	20	2311687	1	. Shim .062"
8	86585W	2	. O-Ring	21	*a 2312977	1	. Gear, Spider
9	87287W	1	. O-Ring	21	*b 2311905	1	. Gear, Spider
10	2311880	1	. Ring, Seal				
11	*c 2311903	1	. Assy, Clutch				
12	239147W	1	. Pin				
13	2303992W	1	. Spring				
				*a	Gear ratios 2 & 5		
				*b	Gear ratios 1 & 6		
				*c	See page 31 for details		

Shaft Assembly

BRAKE-OFF

John Deere 750/850J (H6HH**3BE47)



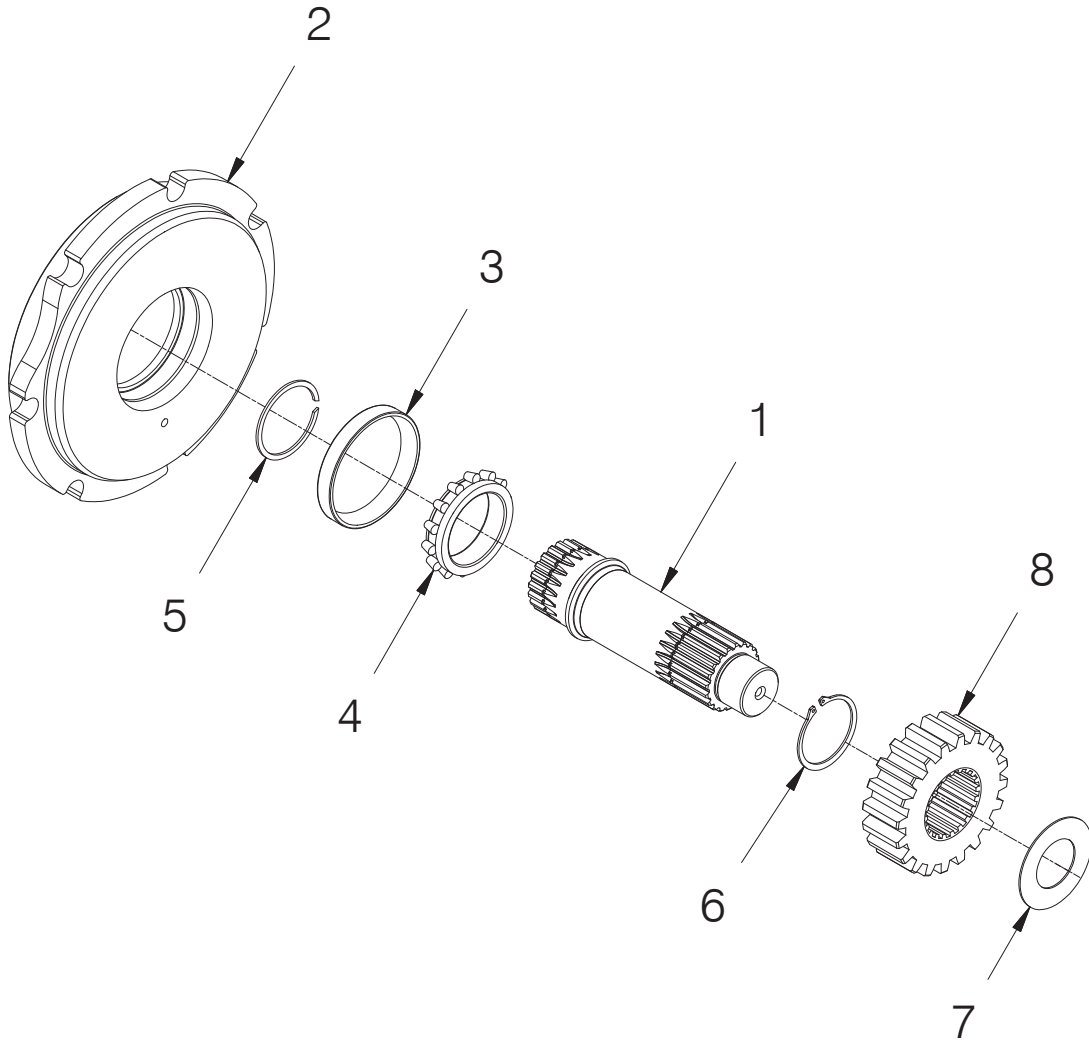
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2312966		Assy, BRAKE-OFF Shaft				
1	2311855	1	. Housing, Clutch	15	2311684	1	. Ring, Snap
2	2311856	1	. Shaft, Clutch	16	137153W	1	. Cup, Roller Bearing
3	231439	1	. Fitting	17	137155W	1	. Cone, Roller Bearing
4	2312039	1	. Piston, Clutch	18	2311869	1	. Shim .062"
5	2311683	1	. Ring, Snap	19	230407W	1	. Bearing
6	2312442	1	. Ring, Thrust	20	2311687	1	. Shim .062"
7	2311655	1	. Brg, Thrust Needle Roller	21	*a 2312977	1	. Gear, Spider
8	86585W	2	. O-Ring	21	*b 2311905	1	. Gear, Spider
9	87287W	1	. O-Ring				
10	2311880	1	. Ring, Seal				
11	*c 2311903	1	. Assy, Clutch	*a	2311905	1	. Gear, Spider
12	239147W	1	. Pin				
13	2303992W	1	. Spring				
14	R13811617	1	. Capscrew				

*a Gear ratios 2 & 5
 *b Gear ratios 1 & 6
 *c See page 31 for details

Shaft Assembly

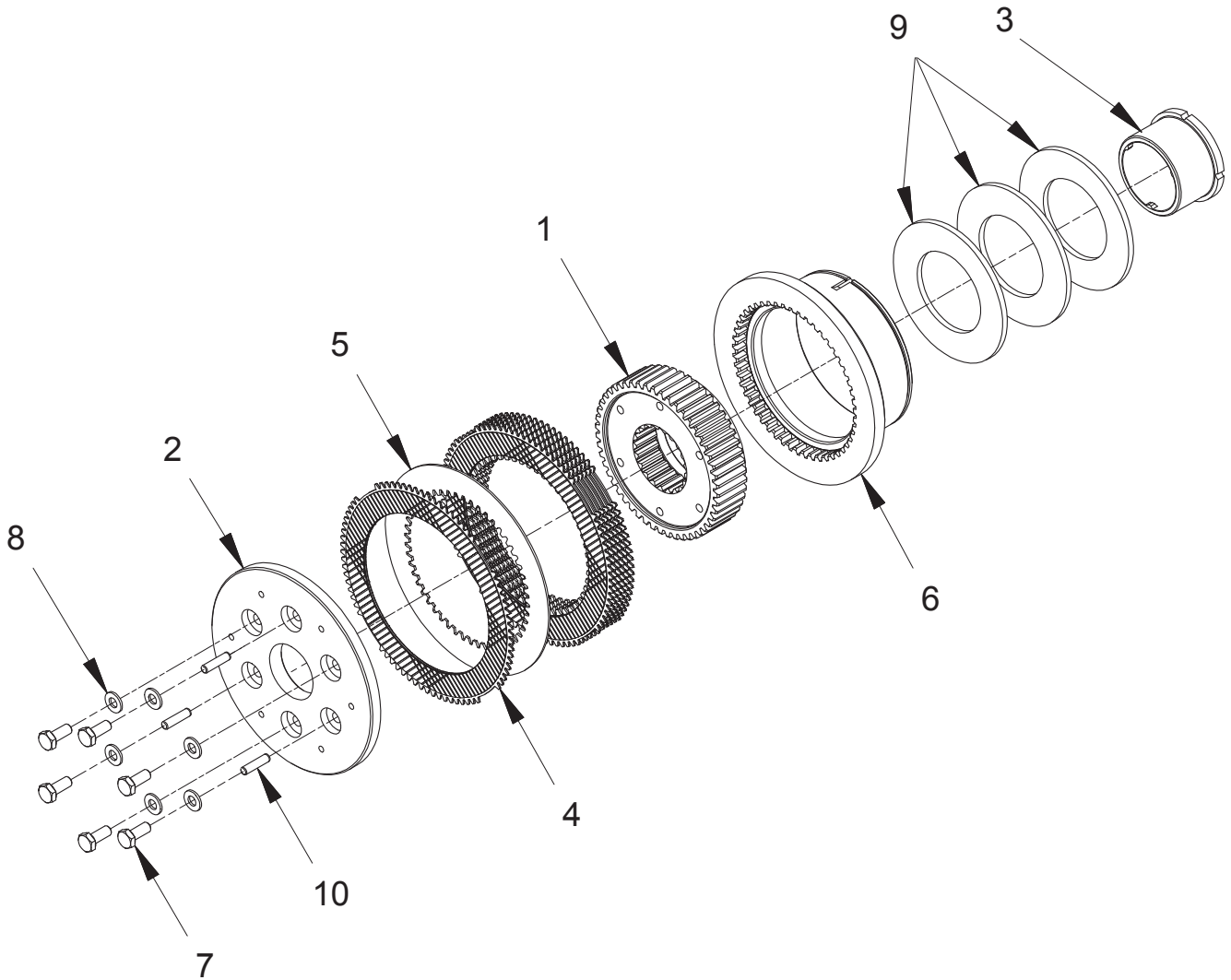
Without BRAKE-OFF

John Deere 750/850J & 750/850K (H6HH1E**E47/E460/E465)



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2312929		Assy, Shaft w/o BRAKE-OFF				
1	2312891	1	. Shaft, Clutch	5	2311684	1	. Ring, Snap
2	2312892	1	. Housing, Clutch	6	192241W	1	. Ring, Snap
3	137153W	1	. Cup, Roller Bearing	7	2311869	1	. Shim .062"
4	137155W	1	. Cone, Roller Bearing	8	2307434W	1	. Gear

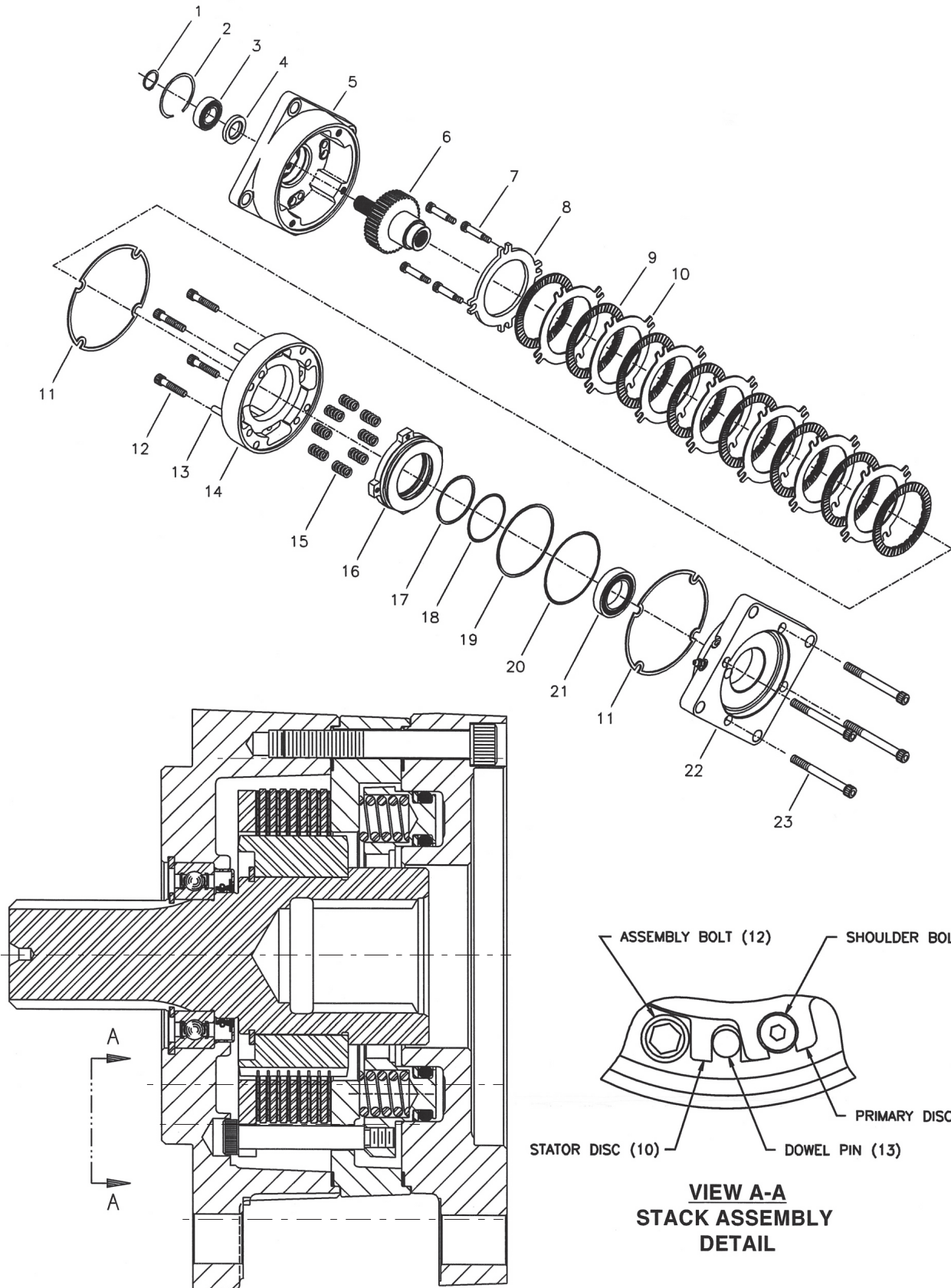
Clutch Assembly



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2311903		Assembly, Clutch	6	2311906	1	. Plate, Pressure
1	2311904	1	. Hub, Clutch	7	296420W	6	. Washer
2	2311907	1	. Plate, Clutch	8	293628W	6	. Capscrew
3	2312029	1	. Retainer, Spring	9	2311251	3	. Spring, Belleville
4	328715W	7	. Disc, Friction	10	222713W	3	. Pin
5	261542W	6	. Plate, Separator				

Dry Disc Brake

Page 1 of 2



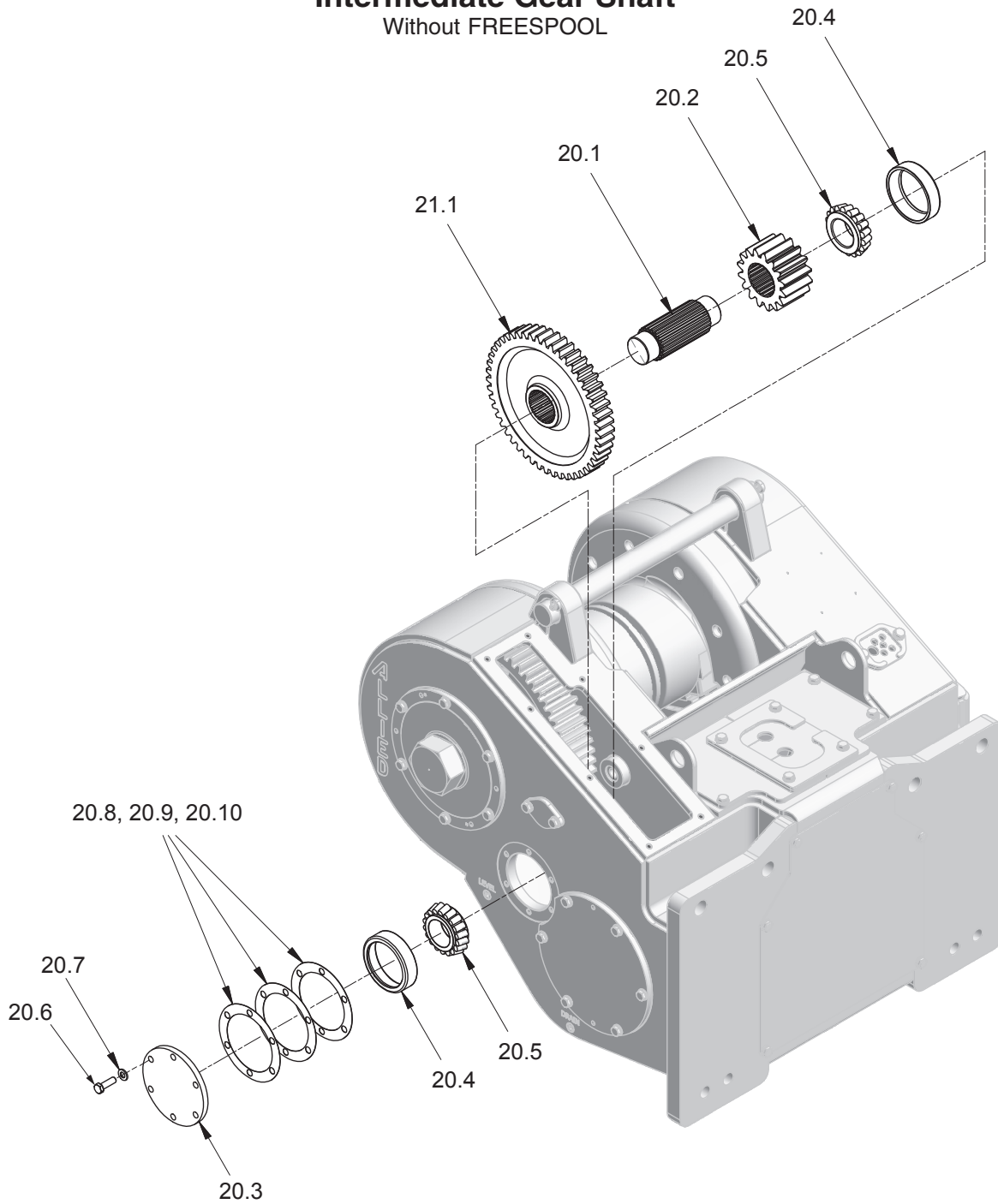
Dry Disc Brake

Page 2 of 2

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2312155		Brake, D Mount Dry Disc				
1	NSS	1	. Retaining Ring	21	*b NSS	1	. Bearing
2	NSS	1	. Retaining Ring	22	NSS	1	. Pressure Plate
3	*b NSS	1	. Bearing	23	NSS	4	. Capscrew
4	*a,*b NSS	1	. Oil Seal				
5	NSS	1	. Cover Plate		*a	Included in O-Ring Repair Kit 2312302	
6	NSS	1	. Spline Shaft Assembly			O-Ring Repair Kit 2312302 is included in	
7	NSS	4	. Bolt			Motor, Reducer & Brake Assembly Rebuild	
8	*d NSS	1	. Primary Disc			Kit 2314659	
9	*d NSS	8	. Rotor Disc		*b	Included in Bearing Repair Kit 2312303	
10	*d NSS	7	. Stator Disc			Bearing Repair Kit 2312303 is included in	
11	*a,*b,*c,*d NSS	2	. Case Gasket			Intermediate/Drum Shaft & Brake	
12	NSS	4	. Capscrew			Assembly Rebuild Kit 2314660	
13	NSS	4	. Dowel Pins		*c	Included in Spring Repair Kit 250850	
14	NSS	1	. Spring Plate			Spring Repair Kit 250850 is included in	
15	*c NSS	10	. Spring, Red			Intermediate/Drum Shaft & Brake	
16	NSS	1	. Piston			Assembly Rebuild Kit 2314660	
17	*a NSS	1	. Backup Ring		*d	Included in Lining Repair Kit 250847	
18	*a NSS	1	. O-Ring			Lining Repair Kit 250847 is Included in	
19	*a NSS	1	. Backup Ring			Intermediate/Drum Shaft & Brake	
20	*a NSS	1	. O-Ring			Assembly Rebuild Kit 2314660	
					NSS	Not Sold Separately	

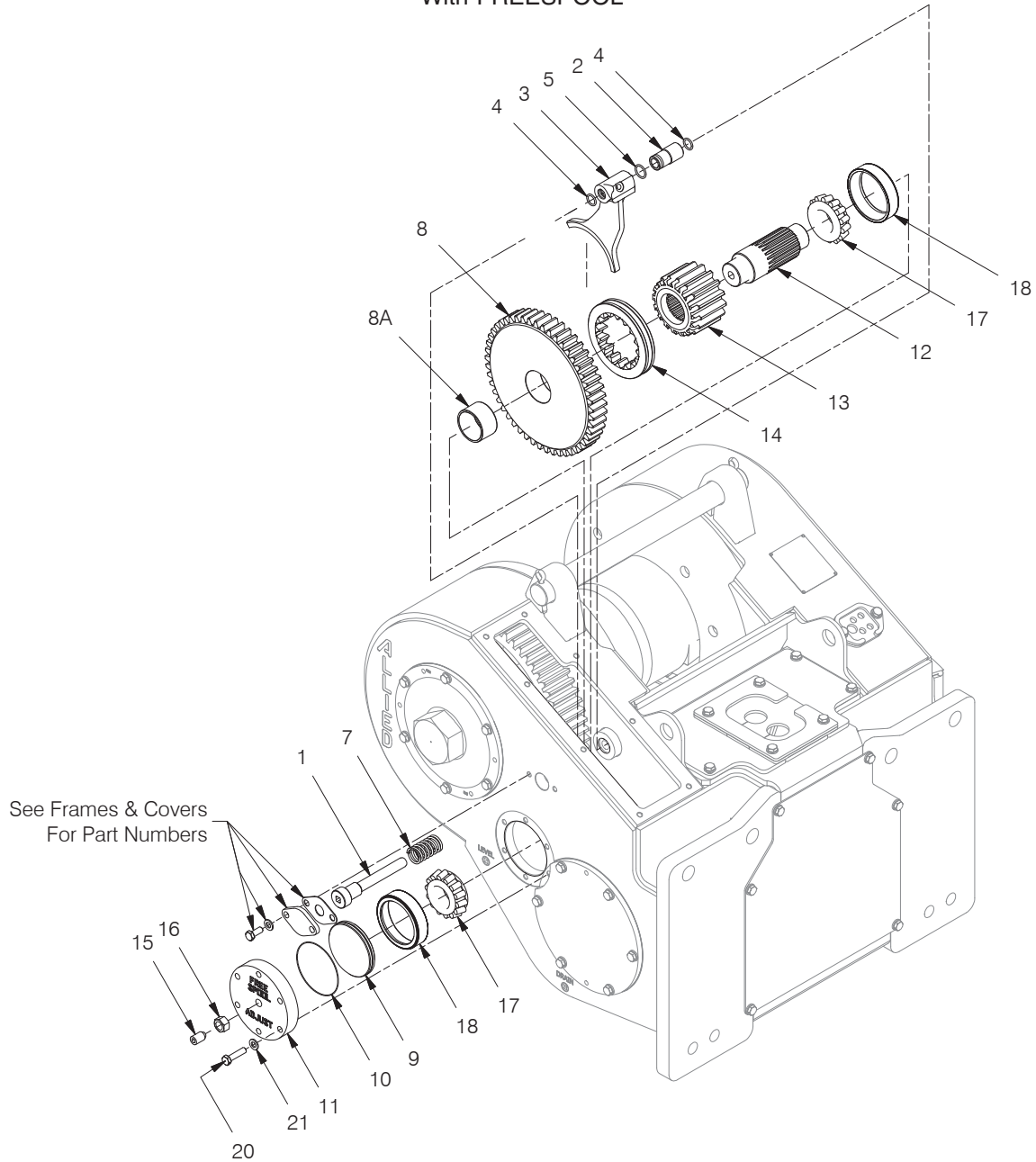
Intermediate Gear Shaft

Without FREESPOOL



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
20.1	95972W	1	Shaft	20.10	149543W	AR	Shim .020"
20.2	95973W	1	Gear	21.1	*b 96024W	1	Gear
20.3	280262W	1	Retainer, Bearing	21.1	*c 2314411	1	Gear
20.4	*a 30059W	2	Cup, Roller Bearing				
20.5	*a 30080W	2	Cone, Roller Bearing				
20.6	2312487	6	Capscrew				
20.7	296422W	6	Washer				
20.8	149541W	AR	Shim .005"				
20.9	149542W	AR	Shim .007"				
				*a	Included in Intermediate/Drum Shaft & Brake Assembly Rebuild Kit 2314660		
				*b	Gear ratios 1 & 6		
				*c	Gear ratios 2 & 5		
				AR	As Required. Refer to Service Manual 599040W for more information.		

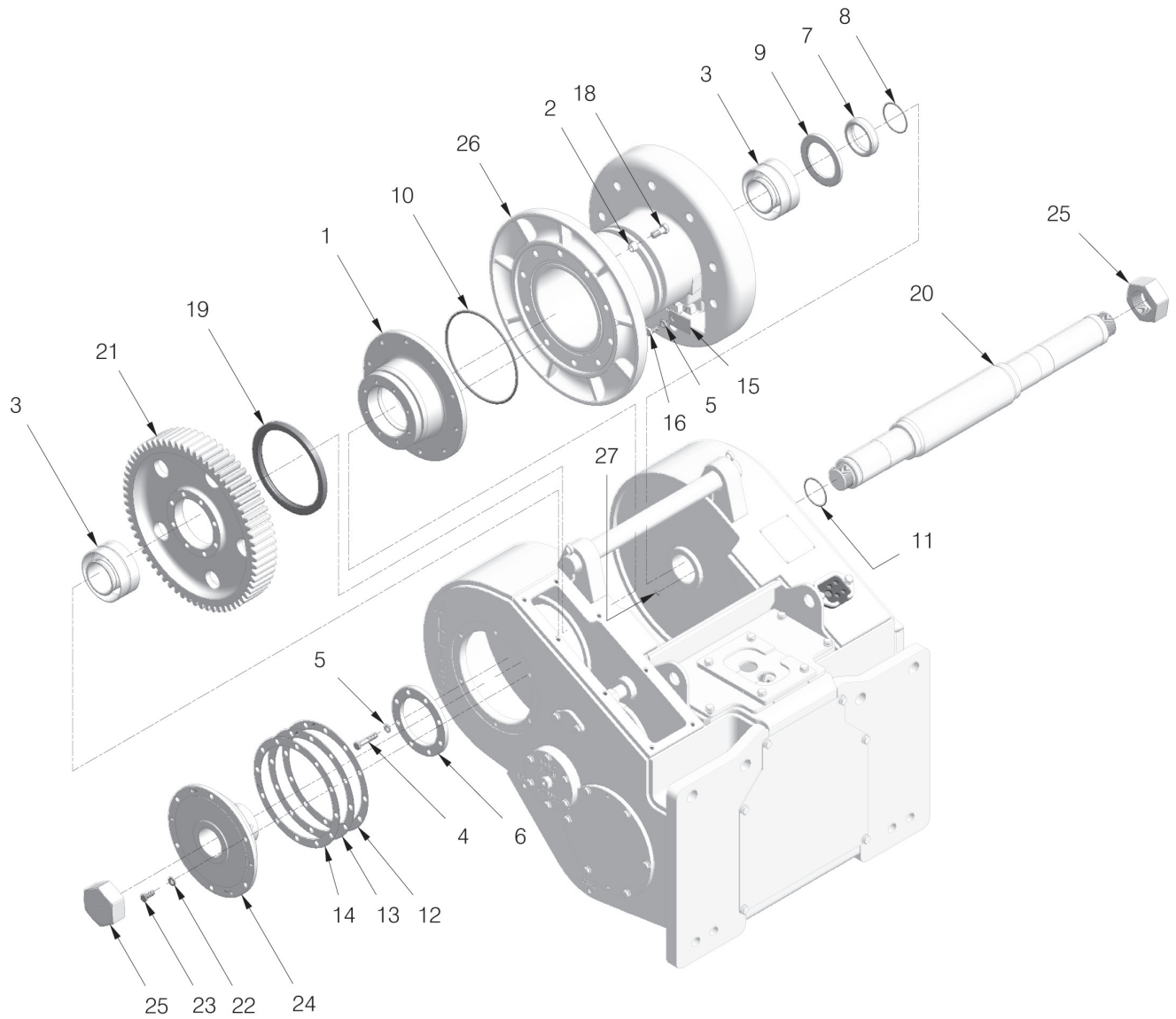
Intermediate Gear Shaft With FREESPOOL



See Frames & Covers
For Part Numbers

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1	*a 2311894	1	Shaft, Freespool	14	2312269	1	Clutch, Dental
2	2305097W	1	Piston, Freespool	15	2304803W	1	Screw
3	2305099W	1	Shifter Fork, Freespool	16	221717W	1	Nut, Hex
4	*b 15862W	2	O-Ring	17	*b 2302311W	2	Cone, Bearing
5	*b 212380	1	O-Ring	18	*b 30059W	2	Cup, Bearing
7	2305096W	1	Spring	20	2312488	6	Capscrew
8	*c 283434W	1	Assy, Intermediate Gear	21	296422W	6	Washer, Hard
8	*d 2303036	1	Assy, Intermediate Gear				
8A	283432W	1	. Bushing				
9	2302624W	1	Piston, Freespool Adjust				
10	*b 159940W	1	O-Ring				
11	2302625W	1	Housing, Freespool Adjust				
12	2305956W	1	Shaft, Intermediate				
13	2312280	1	Gear, Pinion				
				*a	Apply Threadlock 318702W to threads		
				*b	Included in Intermediate/Drum Shaft & Brake Assembly Rebuild Kit 2314660		
				*c	Gear ratios 1 & 6		
				*d	Gear ratios 2 & 5		

Drum Shaft



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1	141674W	1	Adapter	18	2310891	10	Capscrew
2	53559W	10	Thimble, Tapered	19	141671W	1	Seal, Oil
3	*b 230406W	2	Bearing Assembly	20	2312064	1	Shaft, Drum
4	221577W	8	Capscrew	21	95977W	1	Gear
5	*b 15158W	9	Washer	22	296422W	6	Washer
6	95978W	1	Plate, Retainer	23	2312486	6	Capscrew
7	*a 172808W	1	Spacer	24	172810W	1	Retainer, Drum
8	15881W	1	O-Ring	25	*a 2312099	2	Nut
9	*b 44547W	1	Seal, Oil	26	2312100	1	Drum
10	*b 133927W	1	Ring	27	Y433070.45	1	Fitting, Lube
11	*b 90263W	1	O-Ring	28	255578	4GL	Oil, CT Winch (MSDS Reqd)
12	175648W	AR	Shim, .020"				
13	175647W	AR	Shim, .007"				
14	175646W	AR	Shim, .005"				
15	2301783W	1	Keeper, Ferrule				
16	16829W	1	Capscrew				
				*a	Requires Sealant 358674W		
				*b	Included in Intermediate/Drum Shaft & Brake Assembly Rebuild Kit 2314660		

Section 3
Hydraulic/Electrical/Controls

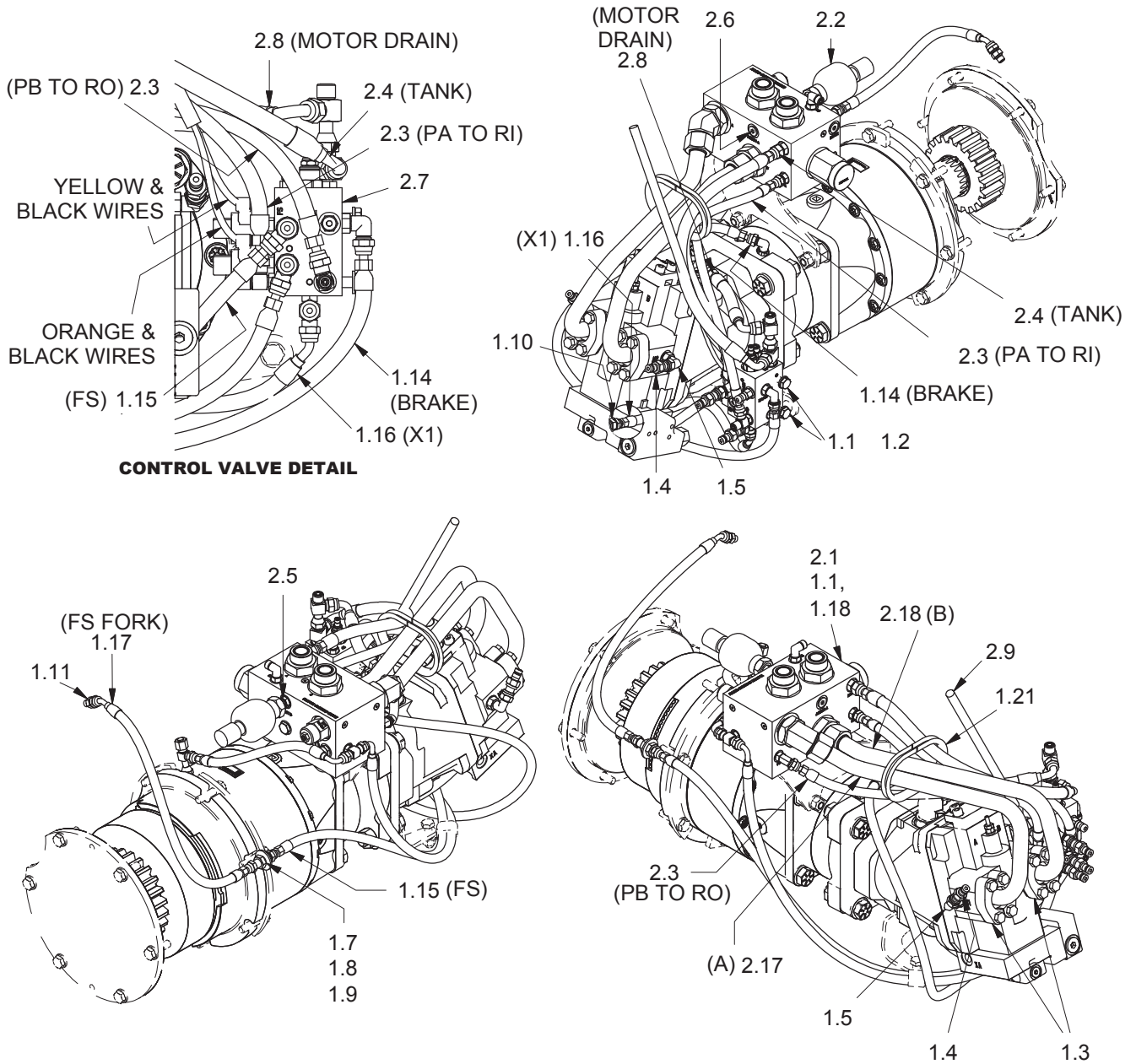
Hydraulic Group

John Deere 750J/850J (H6HH**E48/E47)

John Deere 750K/850K (H6HH**E460)

Last Used S/N 1713

Page 1 of 4



H6HH*BNE460 with FREESPOOL

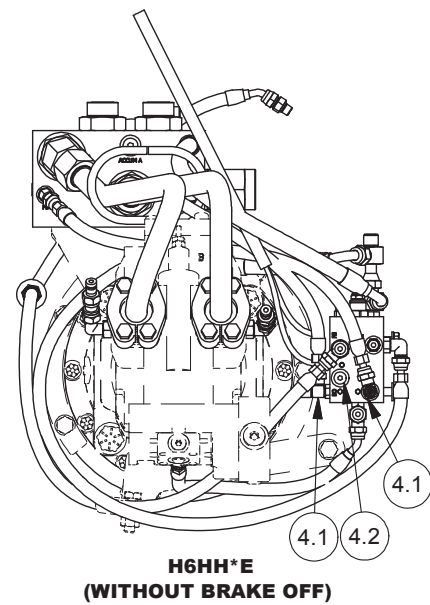
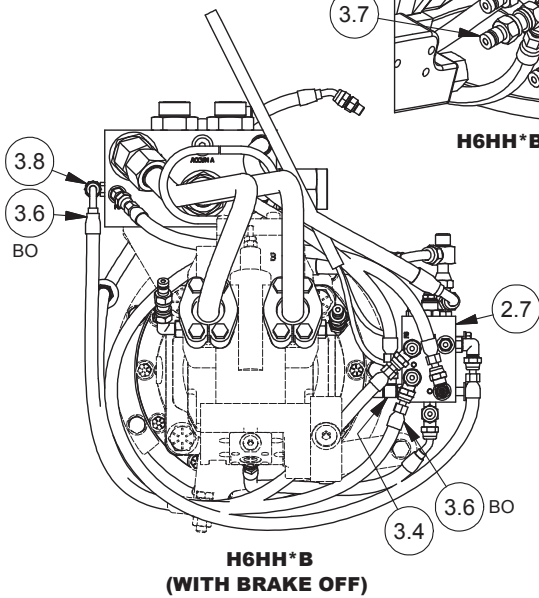
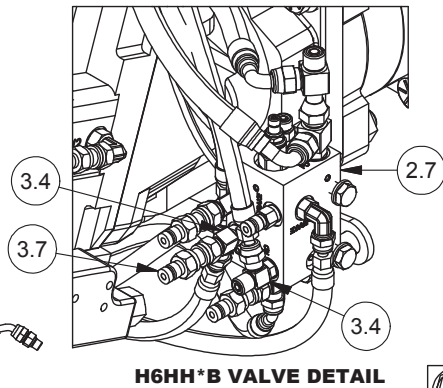
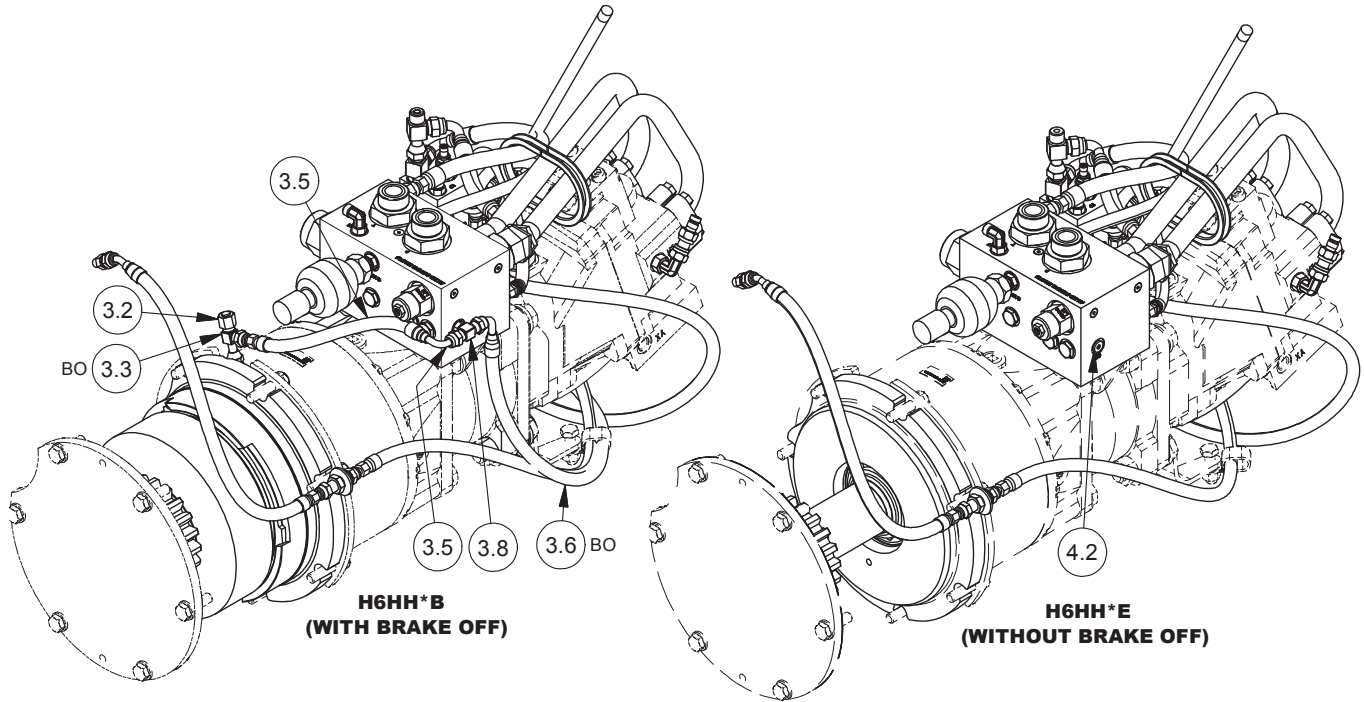
Hydraulic Group

John Deere 750J/850J (H6HH**E48/E47)

John Deere 750K/850K (H6HH**E460)

Last Used S/N 1713

Page 2 of 4



H6HH**E460 with FREESPOOL

Hydraulic Group

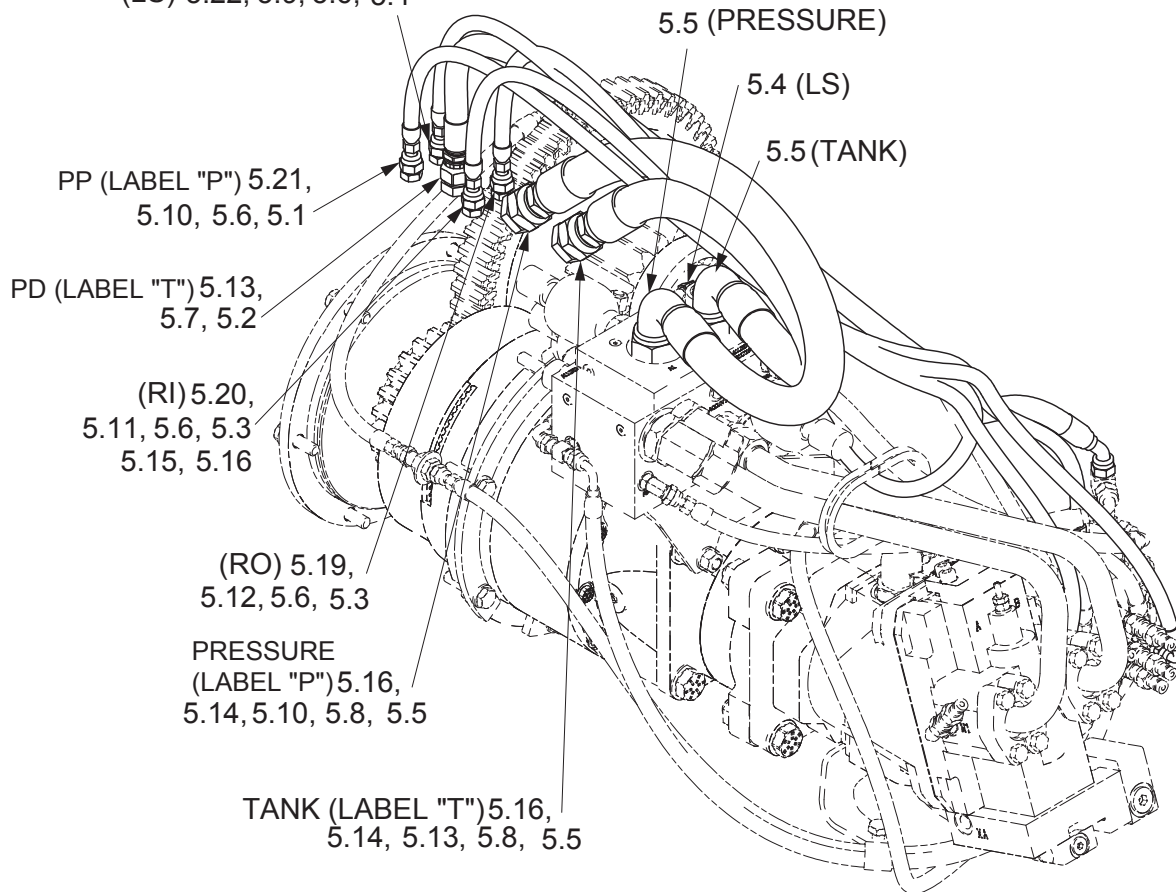
John Deere 750J/850J (H6HH**E48/E47)

John Deere 750K/850K (H6HH**E460)

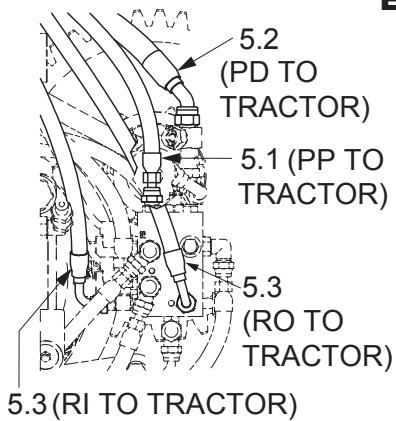
Last Used S/N 1713

Page 3 of 4

5.15, 5.16 (PLACE SLEEVE OVER ALL HOSES AND FASTEN STRAPS AT BOTH ENDS)
(LS) 5.22, 5.9, 5.6, 5.4



E460 INSTALLATION HOSES



Hydraulic Group

John Deere 750J/850J (H6HH**E48/E47)

John Deere 750K/850K (H6HH**E460)

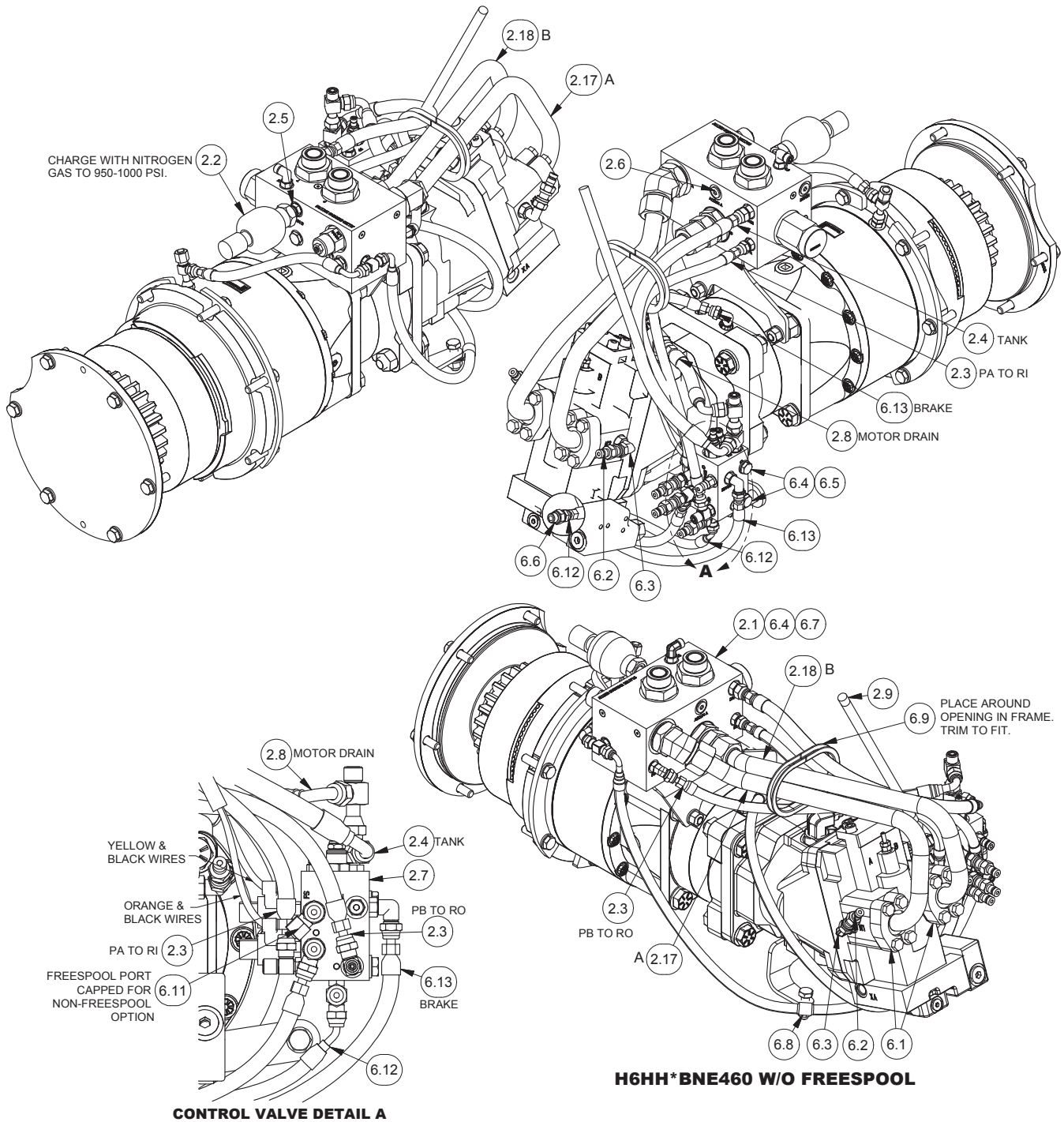
Last Used S/N 1713

Page 4 of 4

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1.1	Y09C-M1025	4	Capscrew	3.5	*a 236895	1	Assy, Hose
1.2	296420W	2	Washer	3.6	*a 2312352	4	Assy, Hose
1.3	229448	2	Kit, Split Flange	3.7	2307625W	1	Coupler, Quick Male
1.4	2307625W	2	Coupler, Quick Male	3.8	R833351	1	Fitting
1.5	R833253	2	Fitting	4.1	R833400	2	Fitting
1.7	R834100	1	Fitting	4.2	235387	2	Fitting
1.8	15178W	1	Washer	5.1	*a 2312820	1	Assy, Hose
1.9	211564	1	O-Ring	5.2	*a 2312819	1	Assy, Hose
1.10	R833103	1	Fitting	5.3	*a 2311540	2	Assy, Hose
1.11	231439	1	Fitting	5.4	*a R11601	1	Assy, Hose
1.14	*a 2311353	1	Assy, Hose	5.5	*a 2307041W	2	Assy, Hose
1.15	*a 2312350	1	Assy, Hose	5.6	R834201	4	Fitting
1.16	*a 2312878	1	Assy, Hose	5.7	R834203	1	Fitting
1.17	*a 2312212	1	Assy, Hose	5.8	R834205	2	Fitting
1.18	15176W	2	Washer	5.9	2307240W	1	Label, LS
1.21	24257	13"	Trim, Edge	5.10	2311225	2	Label, P
2.1	*b*d 2312760	1	Assy, Directional Manifold	5.11	2307239W	1	Label, RI
	*c*e 2314687	1	Assy, Directional Manifold	5.12	2307238W	1	Label, RO
2.2	2312268	1	Accumulator	5.13	2306151W	2	Label, T
2.3	*a 242374	2	Assy, Hose	5.14	R12577880	6'	Sleeve
2.4	*a 242144	1	Assy, Hose	5.15	R12577882	4'	Sleeve
2.5	229347	1	Fitting	5.16	129563W	6	Clamp, Strap
2.6	229383	1	Fitting	5.19	242596	1	Tie, Cable (Orange)
2.7	*f 2312908	1	Assy, Control Manifold	5.20	242597	1	Tie, Cable (Yellow)
2.8	*a 2312358	1	Assy, Hose	5.21	242598	1	Tie, Cable (Green)
2.9	2312339	1	Harness, Winch Wire	5.22	242599	1	Tie, Cable (Blue)
2.17	*b 2312069	1	Assy, Tube - Motor A				
	*c 2314162	1	Assy, Tube - Motor A	*a	Included in Hose Kit 2314770		
2.18	*b 2312095	1	Assy, Tube - Motor B	*b	Last Used on S/N 1496		
	*c 2314690	1	Assy, Tube - Motor B	*c	First Used on S/N 1497		
3.2	232984	1	Fitting	*d	See page 62 for details		
3.3	236855	1	Fitting	*e	See page 65 for details		
3.4	R833400	3	Fitting	*f	See page 63 for details		

Hydraulic Group

John Deere 750J/850J (H6HH**E48/E47)
 John Deere 750K/850K (H6HH**E460) without FREESPOOL
 Last Used S/N 1713
 Page 1 of 2



Hydraulic Group

John Deere 750J/850J (H6HH**E48/E47)

John Deere 750K/850K (H6HH**E460) without FREESPOOL

Last Used S/N 1713

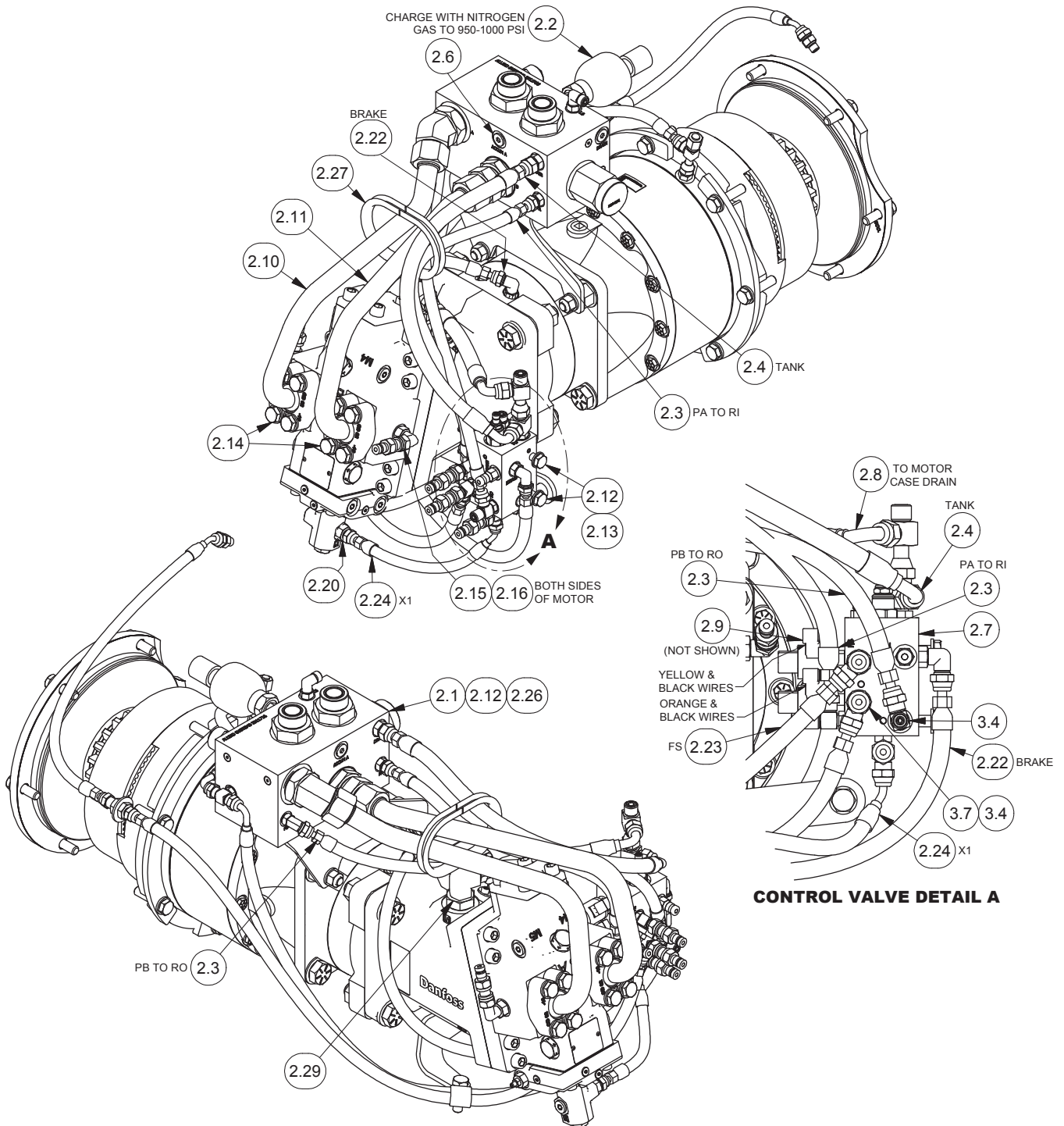
Page 2 of 2

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
2.1	*a 2314687	1	. Assy, Manifold, Directional	6.4	Y09C-M1025	4	. Capscrew
2.2	2312268	1	. Accumulator	6.5	296420W	2	. Washer
2.3	242374	2	. Hose Assembly	6.6	R833103	1	. Fitting
2.4	242144	1	. Hose Assembly	6.7	15176W	2	. Washer
2.5	229347	1	. Fitting	6.8	R13807642	1	. Clip, Insulated
2.6	229383	1	. Fitting	6.9	24257	1.08'	. Trim, Edge
2.7	*b 2312908	1	. Assy - Manifold, Control	6.10	229383	1	. Fitting
2.8	2312358	1	. Hose Assembly	6.11	232984	1	. Fitting
2.9	2312339	1	. Wire Harness	6.12	2312878	1	. Hose Assembly
2.17	2314162	1	. Tube Assembly	6.13	2312350	1	. Hose Assembly
2.18	2314690	1	. Tube Assembly				
6.1	229448	2	. Kit, Split Flange	*a	See page 65 for details		
6.2	2307625W	2	. Coupler	*b	See page 63 for details		
6.3	R833253	2	. Fitting				

Hydraulic Group

John Deere 750K/850K H6HH1B**E460 & H6HH1E**E460) First Used S/N 1714

Page 1 of 2

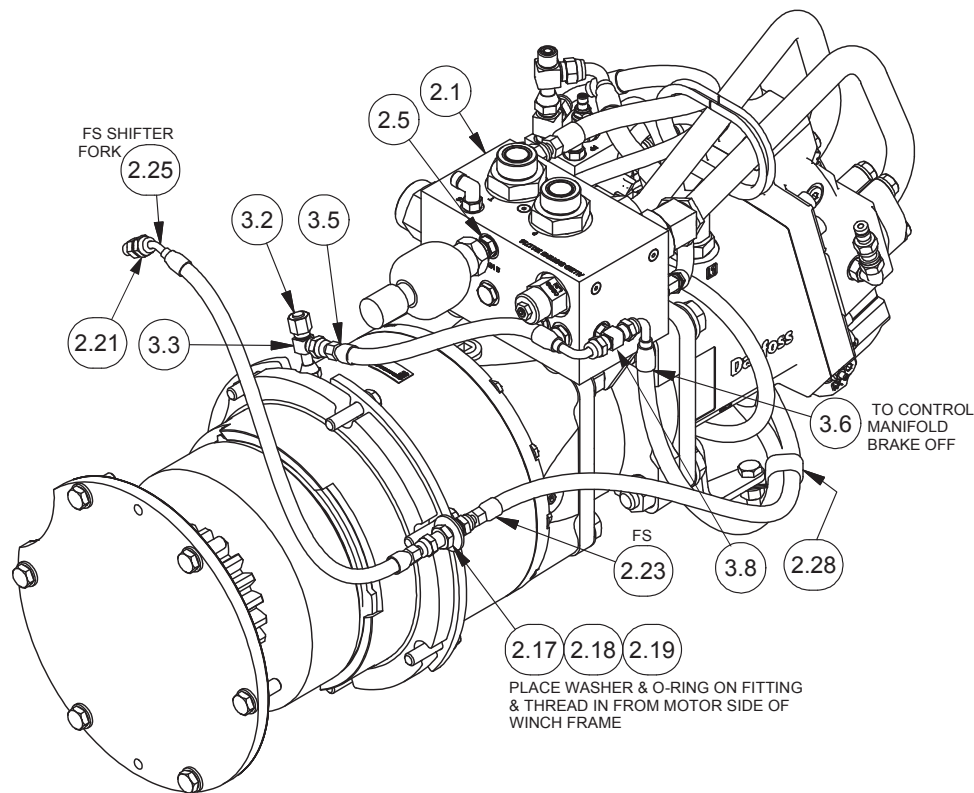


Hydraulic Group

John Deere 750K/850K (H6HH1B**E460 & H6HH1E**E460) First Used S/N 1714

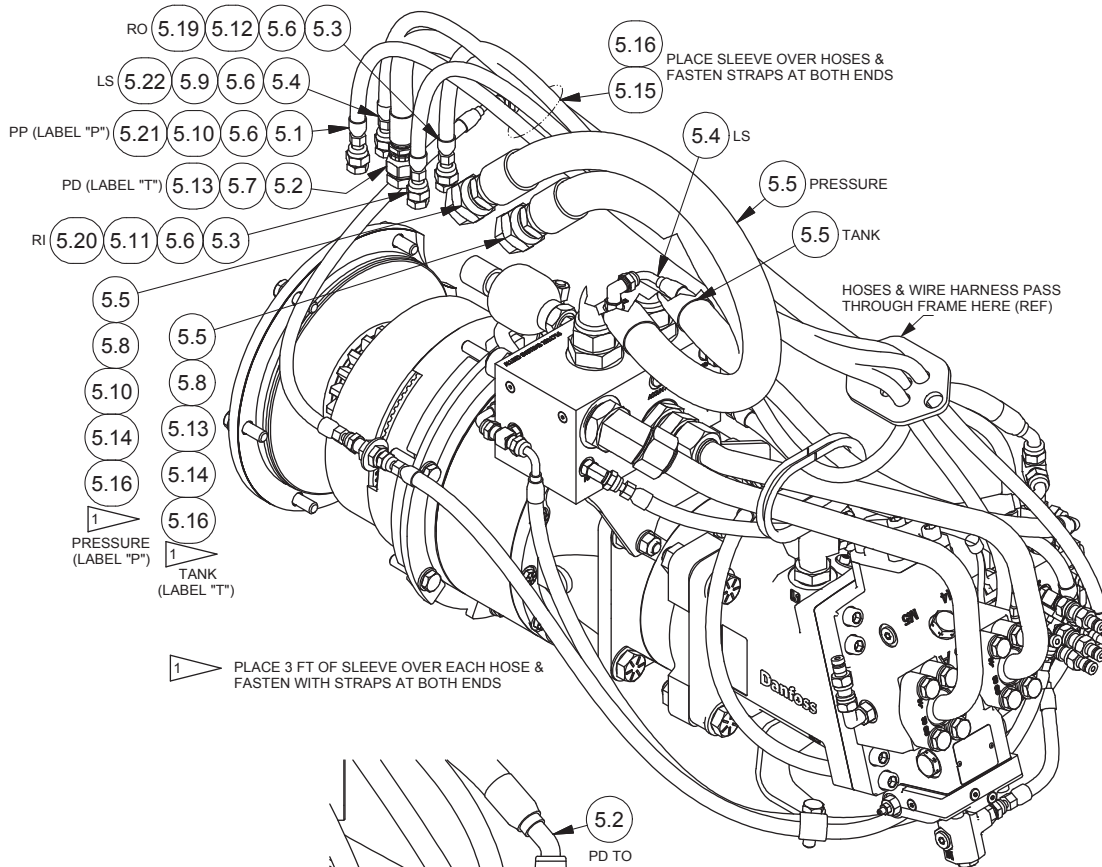
Page 2 of 2

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
2.1	*b 2314687	1	Assy, Directional Manifold	2.21	231439	1	Fitting
2.2	2312268	1	Accumulator	2.22	2312353	1	Hose Assy
2.3	*a 242374	2	Assy, Hose	2.23	2312350	1	Hose Assy
2.4	*a 242144	1	Assy, Hose	2.24	2313639	1	Hose Assy
2.5	229347	1	Fitting	2.25	2312212	1	Hose Assy
2.6	229383	1	Fitting	2.26	15176W	2	Flat Washer
2.7	*c 2312908	1	Assy, Control Manifold	2.27	24257	1	Trim, Edge
2.8	*a 2312358	1	Assy, Hose	2.28	2312628	1	Clamp
2.9	2312339	1	Harness, Winch Wire	2.29	R833260	1	Fitting, Motor Case Drain
2.10	2316108	1	Tube Assy - Motor A	3.2	232984	1	Fitting
2.11	2316109	1	Tube Assy - Motor B	3.3	236855	1	Fitting
2.12	Y09C-M1025	4	Capscrew	3.4	R833400	3	Fitting
2.13	296420W	2	Hard Washer	3.5	*a 236895	1	Assy, Hose
2.14	592255	2	Kit, Split Flange	3.6	*a 2312352	4	Assy, Hose
2.15	2307625W	2	Fitting	3.7	2307625W	1	Coupler, Quick Male
2.16	R833253	2	Fitting	3.8	R833351	1	Fitting
2.17	R834100	1	Fitting				
2.18	15178W	1	Flat Washer				
2.19	211564	1	O-Ring	*a	Included in Hose Kit 2314770		
2.20	R833103	1	Fitting	*b	See page 65 for details		
				*c	See page 63 for details		



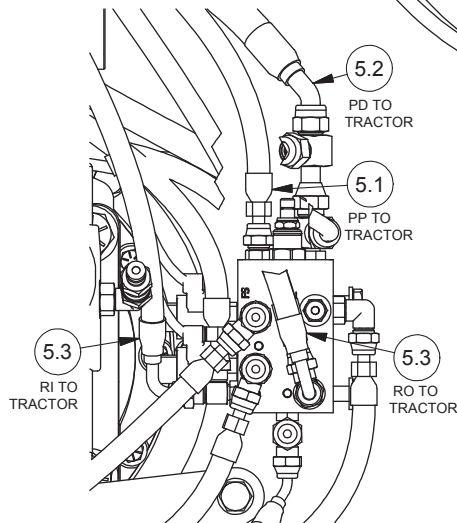
Hydraulic Group

John Deere 750K/850K (H6HH1B**E460 & H6HH1E**E460) First Used S/N 1714



1 PLACE 3 FT OF SLEEVE OVER EACH HOSE & FASTEN WITH STRAPS AT BOTH ENDS

ATTACHING PARTS



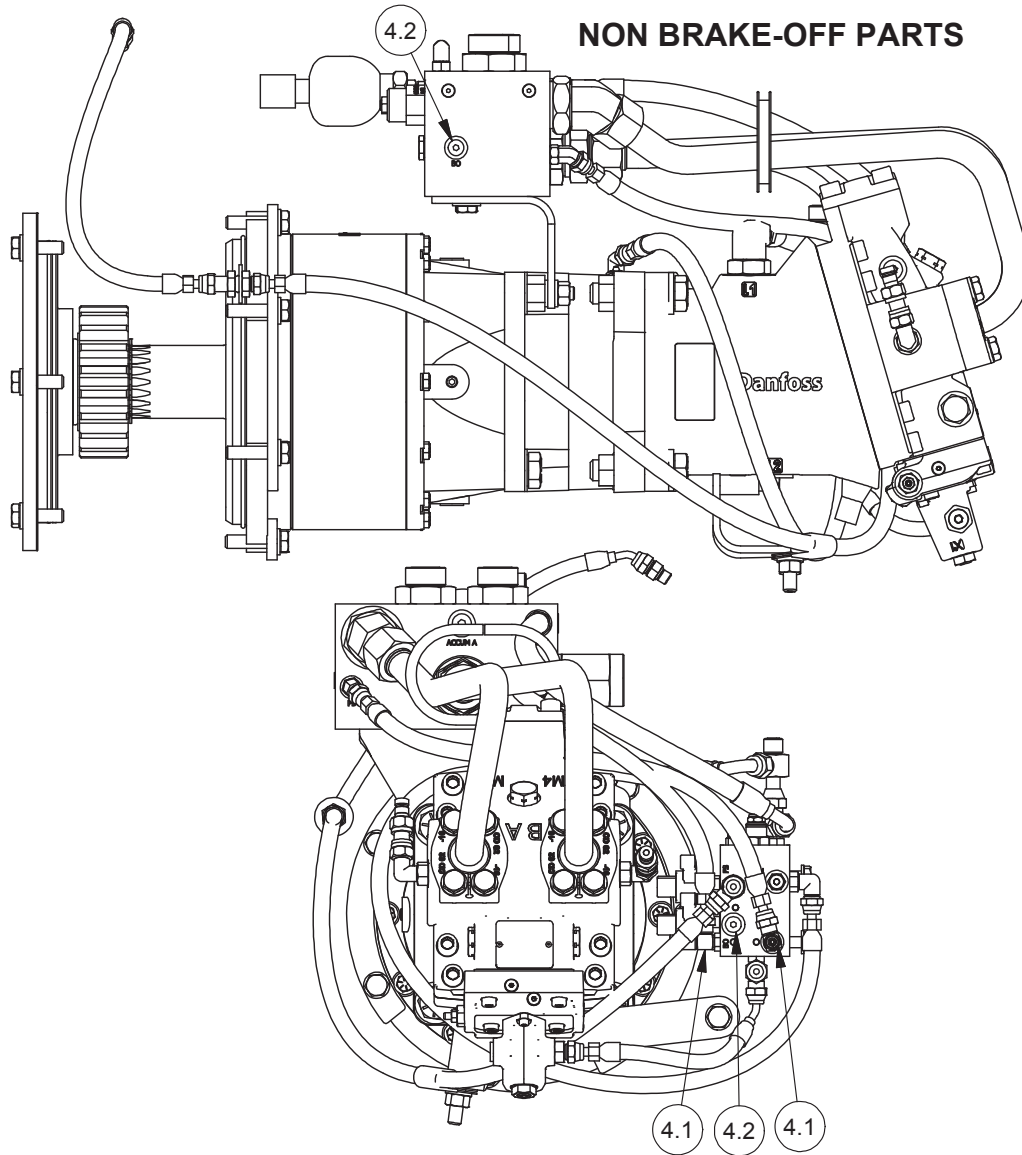
CONTROL VALVE DETAIL

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
5.1	*a 2312820	1	Assy, Hose	5.12	2307238W	1	Label, RO
5.2	*a 2312819	1	Assy, Hose	5.13	2306151W	2	Label, T
5.3	*a 2311540	2	Assy, Hose	5.14	R12577880	6'	Sleeve
5.4	*a R11601	1	Assy, Hose	5.15	R12577882	4'	Sleeve
5.5	*a 2307041W	2	Assy, Hose	5.16	129563W	6	Clamp, Strap
5.6	R834201	4	Fitting	5.19	242596	1	Tie, Cable (Orange)
5.7	R834203	1	Fitting	5.20	242597	1	Tie, Cable (Yellow)
5.8	R834205	2	Fitting	5.21	242598	1	Tie, Cable (Green)
5.9	2307240W	1	Label, LS	5.22	242599	1	Tie, Cable (Blue)
5.10	2311225	2	Label, P				
5.11	2307239W	1	Label, RI				

*a Included in Hose Kit 2314770

Hydraulic Group

John Deere 750K/850K (H6HH1E**E460) First Used S/N 1714
 Non BRAKE-OFF

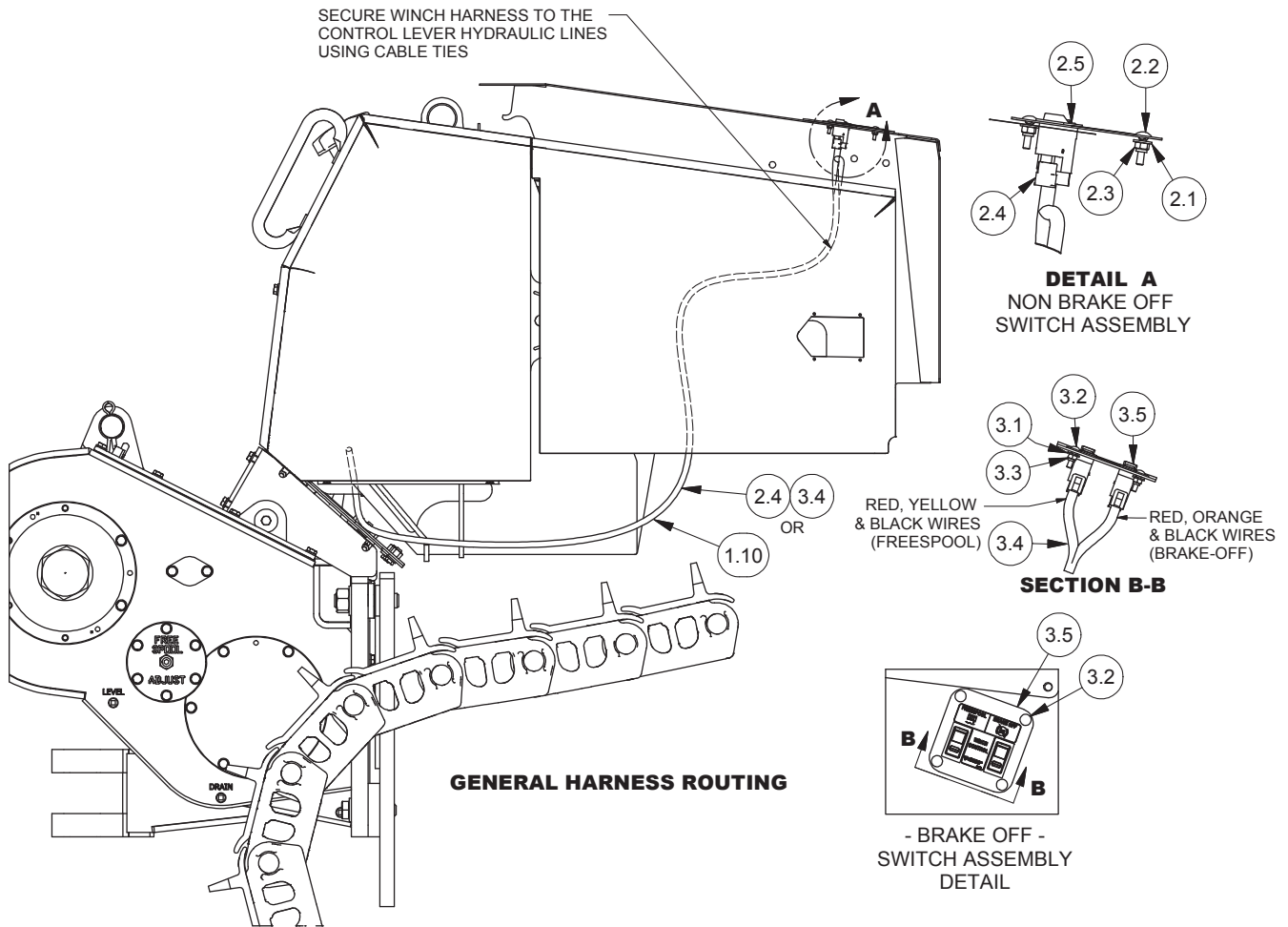


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
4.1	R833400	2	Fitting				
4.2	235387	2	Fitting				

Control Lever Installation*

John Deere 750/850J (H6HH1E**E47) w/o BRAKE-OFF
 John Deere 750/850J (H6HH1B**E47, H6HH3B**E47) w/BRAKE-OFF

* Note: Control lever is not shown because is supplied by the dozer manufacturer.

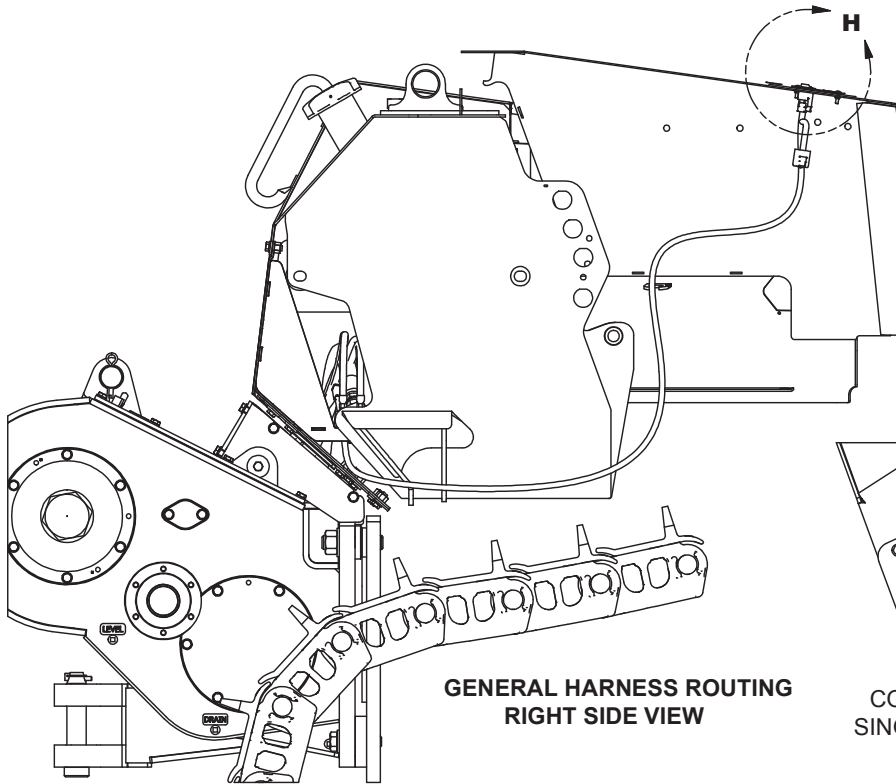


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1.10	129563W	4	Cable Tie	3.1	15127W	4	Washer
2.1	15127W	2	Washer	3.2	220000W	4	Bolt
2.2	220000W	2	Bolt	3.3	15113W	4	Locknut
2.3	15113W	2	Locknut	3.4	*b 2312856	1	Wire Harness, Console
2.4	*a 2312927	1	Wire Harness	3.5	2312855	1	Panel Assembly, Switch
2.5	2312895	1	Panel				

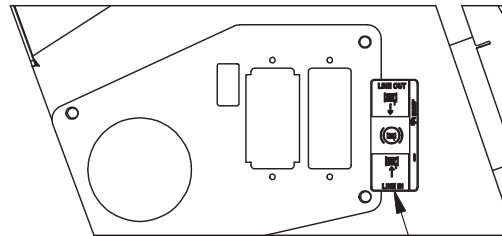
*a Use with H6HH1E**E47 Non BRAKE-OFF Units
 *b Use with H6HH1B**E47 & H6HH3B**E47 w/BRAKE-OFF

Electrical Installation

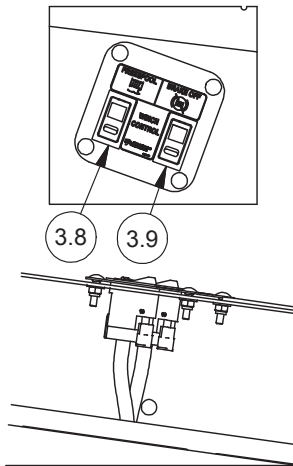
John Deere 750/850J & 750/850K (H6HH**E460)



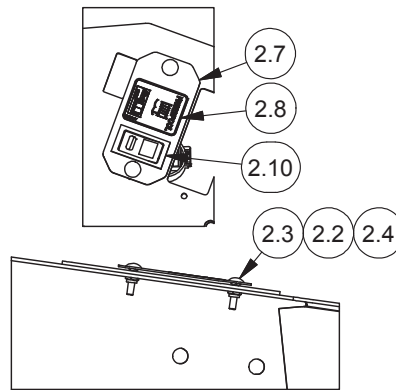
**GENERAL HARNESS ROUTING
RIGHT SIDE VIEW**



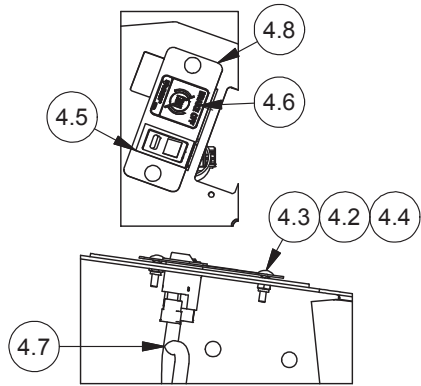
**CONSOLE ALTERATION FOR
SINGLE SWITCH APPLICATIONS** 1.21



DETAIL H
**BRAKE OFF SWITCH ASSEMBLY
WITH FREESPOOL**



DETAIL H
**FREESPOOL SWITCH ASSEMBLY
WITHOUT BRAKE OFF**

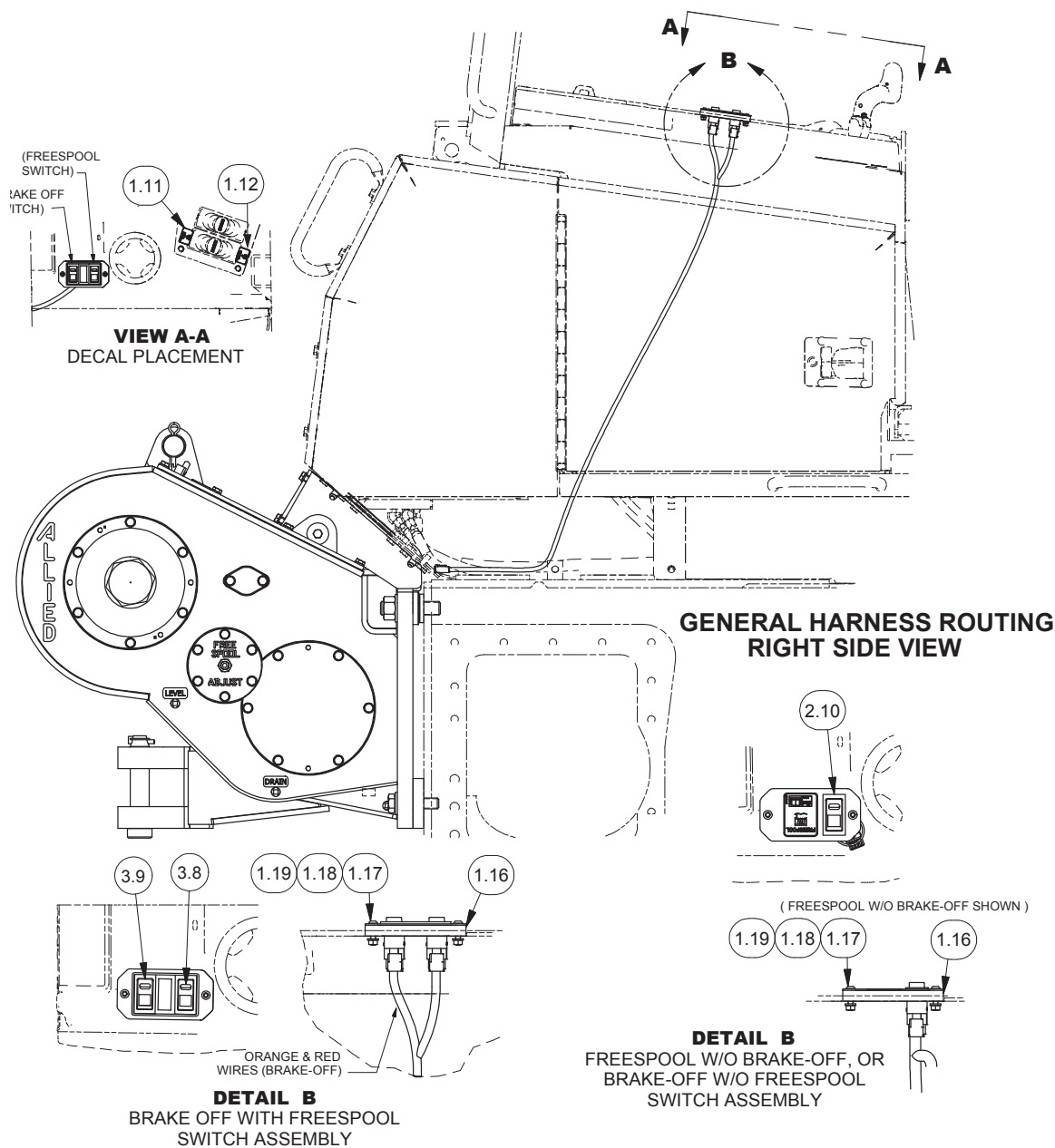


DETAIL H
**BRAKE OFF SWITCH ASSEMBLY
WITHOUT FREESPOOL**

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1.21	2312177	1	Decal - Line In, Line Out	4.3	*c 220000W	2	Bolt
2.2	*a 15127W	2	Washer	4.4	*c 15113W	2	Locknut
2.3	*a 220000W	2	Bolt	4.5	*c 2312896	1	Mounting Plate
2.4	*a 15113W	2	Locknut	4.6	*c 2312927	1	Wire Harness
2.7	*a 2310013	1	Switch Assembly	4.7	*c 2310504	1	Switch Assy (Reducer)
2.8	*a 2307924W	1	Decal, Switch Panel	4.8	*c 2313991	1	Decal, BRAKE-OFF
2.10	*a 2310013	2	Switch Assy; Yellow LED				
3.8	*b 2310013	1	Switch Assembly		*a		Use with JD 750/850K (H6HH1E**E460)
3.9	*b 2310504	1	Switch Assy (Reducer)		*b		Use with JD 750/850K (H6HH1B**E460)
4.2	*c 15127W	2	Washer		*c		Use with JD 750/850K W/O FS (H6HH1BN**E460)

Electrical Installation

John Deere 750/850J (H6HH**E460)



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1.11	2307121W	1	Decal, Winch In	2.10	*a 2310013	1	Assy, Switch, Yellow LED
1.12	2307122W	1	Decal, Winch Out	3.8	*b 2310013	1	Assy, Switch, Yellow LED
1.16	2311530	1	Plate-Switch Mounting	3.9	*b 2310504	1	Assy, Switch, Red LED
1.17	296161W	2	Capscrew				
1.18	292653W	2	Nut	*a	Use with JD 750/850K (H6HH1E**E460)		
1.19	296417W	2	Washer, Hard	*b	Use with JD 750/850K (H6HH1B**E460)		

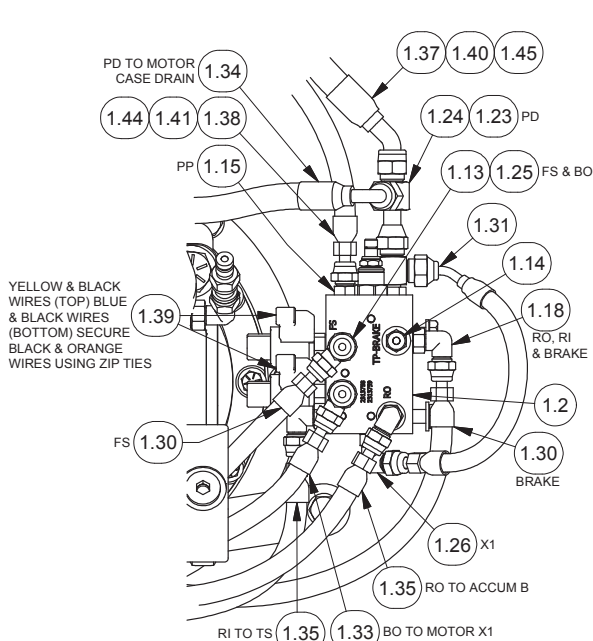
Intentionally Blank

Hydraulic Group

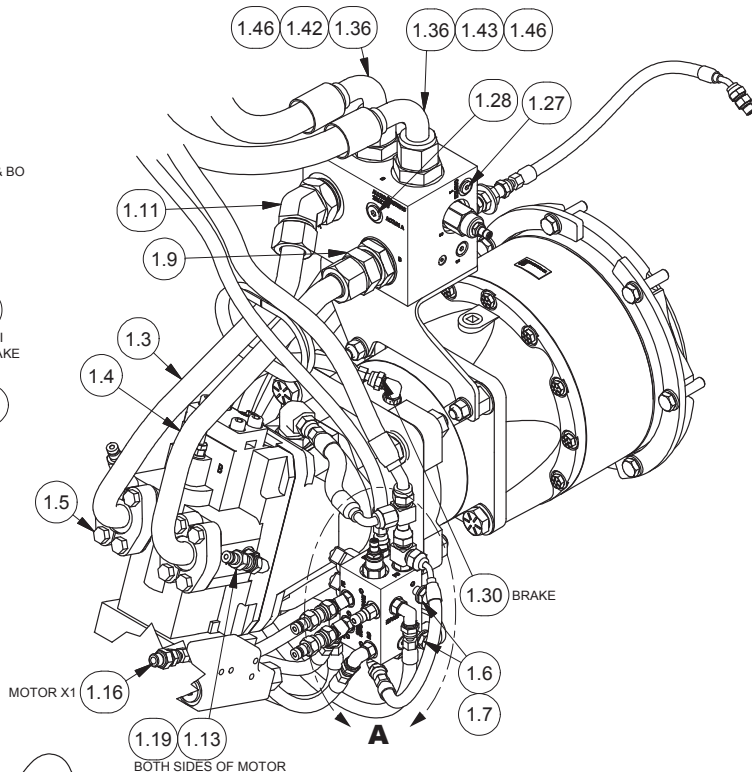
John Deere 750K/850K (H6HH*DEE465) w/o BRAKE-OFF

Last Used S/N 1713

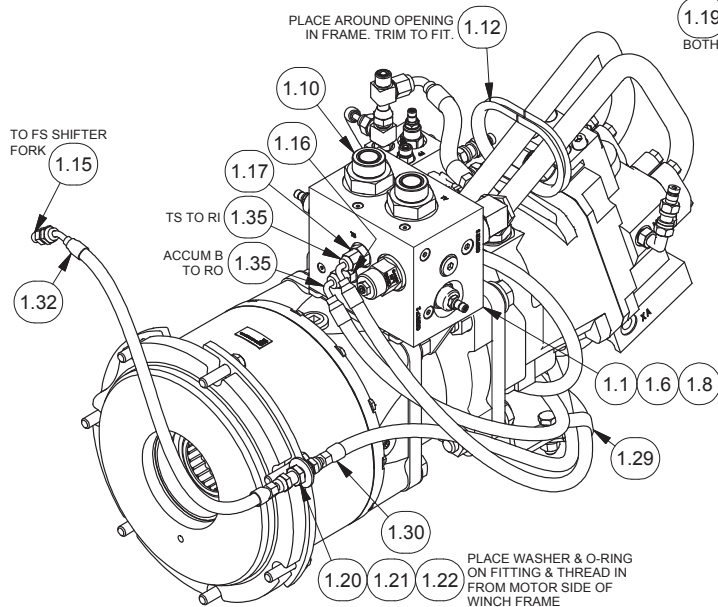
Page 1 of 2



MANIFOLD DETAIL A



NON BRAKE-OFF HYDRAULICS



Hydraulic Group

John Deere 750K/850K (H6HH*DEE465) w/o BRAKE-OFF

Last Used S/N 1713

Page 2 of 2

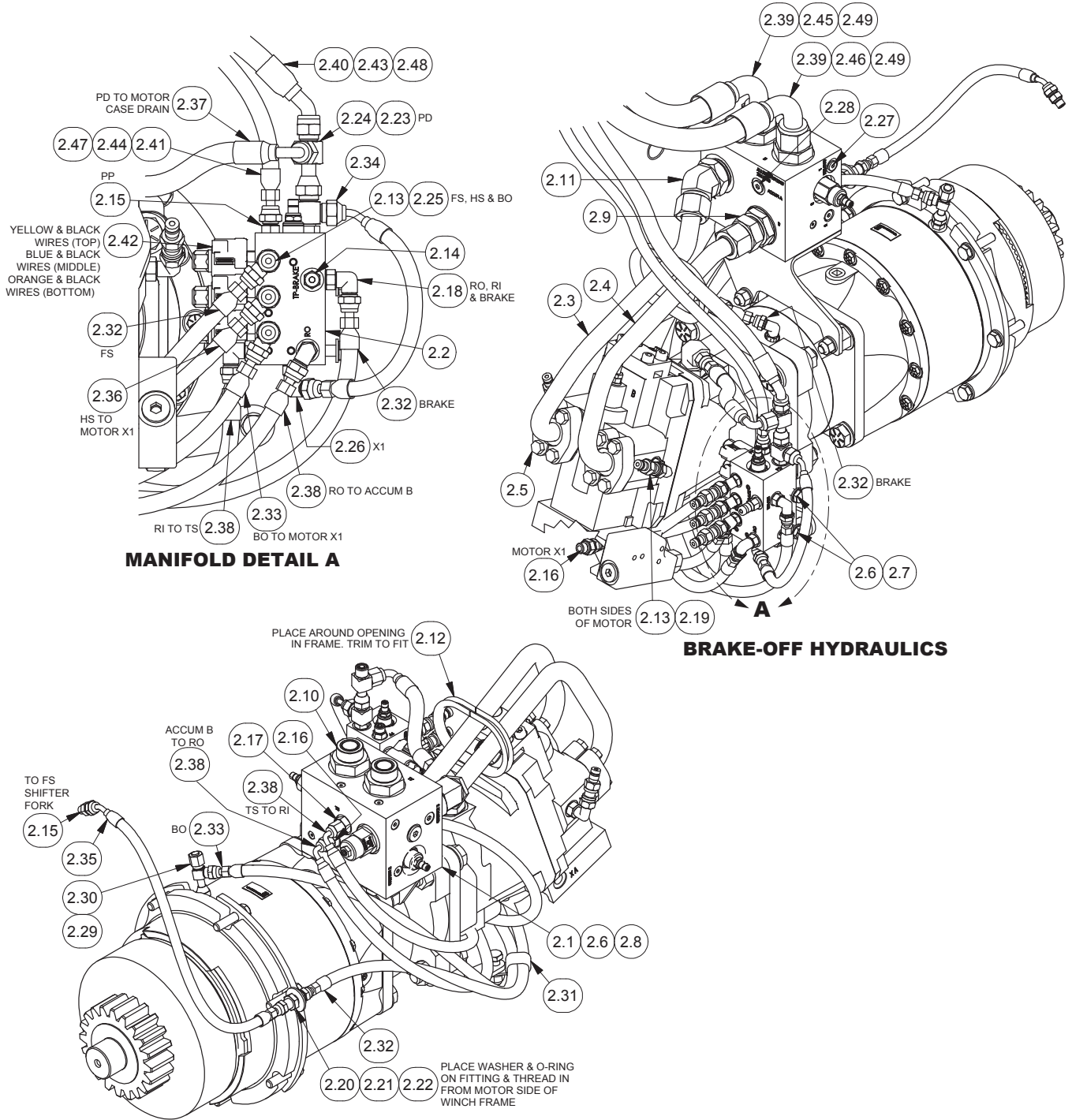
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1.1	*a 2311718	1	Manifold Assy, Counterbalance Relief	1.26	2311500	1	Fitting Assy
1.2	*b 2313758	1	Manifold	1.27	235387	1	Fitting
1.3	2316108	1	Tube Assy - Motor A	1.28	229383	1	Fitting
1.4	2316109	1	Tube Assy - Motor B	1.29	2312628	1	Clamp
1.5	229448	2	Kit, Split Flange	1.30	2312350	2	Hose Assembly
1.6	Y09C-M1025	4	Capscrew	1.31	2313844	1	Hose Assembly
1.7	296420W	2	Hard Washer	1.32	2312212	1	Hose Assembly
1.8	15176W	2	Flat Washer	1.33	2313639	1	Hose Assembly
1.9	2313948	1	Fitting	1.34	2312358	1	Hose Assembly
1.10	R833133	2	Fitting	1.35	2315641	2	Hose Assembly
1.11	R833218	1	Fitting	1.36	2307041W	2	Hose Assembly
1.13	2307625W	5	Fitting	1.37	2312819	1	Hose Assembly
1.14	R14040	1	Coupler, Male	1.38	2312820	1	Hose Assembly
1.15	231439	2	Fitting	1.39	2315725	1	Harness - Wire, Winch
1.16	R833103	2	Fitting	1.40	2306151W	1	Label - T
1.17	R833104	1	Fitting	1.41	2306152W	1	Label - PS
1.18	R833251	3	Fitting	1.42	2310919	1	Label - Motor A
1.19	R833253	2	Fitting	1.43	2310920	1	Label - Motor B
1.20	R834100	1	Fitting	1.44	R834201	1	Fitting
1.21	15178W	1	Flat Washer	1.45	R834203	1	Fitting
1.22	211564	1	O-Ring	1.46	R834205	2	Fitting
1.23	231465	1	Fitting				
1.24	231955	1	Fitting	*a	See page 69 for details		
1.25	R833400	3	Fitting	*b	See page 64 for details		

Hydraulic Group

John Deere 750K/850K (H6HH*DE465) w/BRAKE-OFF

Last Used S/N 1713

Page 1 of 2



Hydraulic Group

John Deere 750K/850K (H6HH*DE465) w/BRAKE-OFF

Last Used S/N 1713

Page 2 of 2

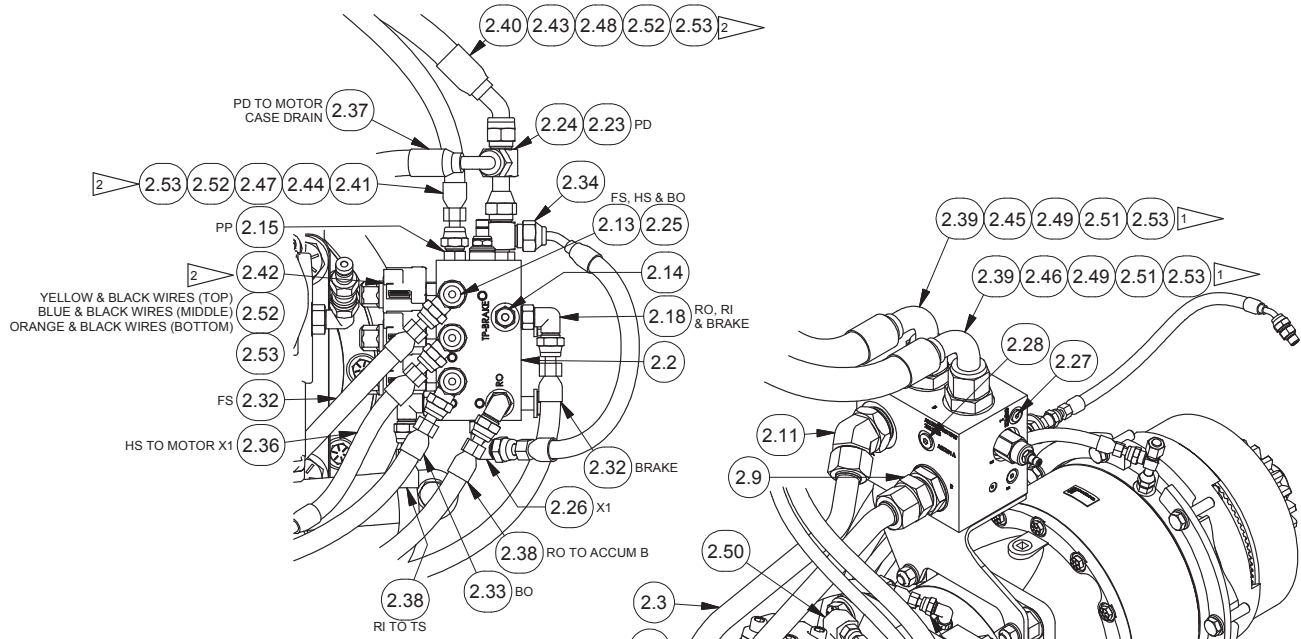
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
2.1	*a 2311718	1	Manifold Assy, Rescue	2.27	235387	1	Fitting
2.2	*b 2313944	1	Manifold	2.28	229383	1	Fitting
2.3	2314162	1	Tube Assy - Motor A	2.29	236855	1	Fitting
2.4	2314690	1	Tube Assy - Motor B	2.30	232984	1	Fitting
2.5	229448	2	Kit, Split Flange	2.31	2312628	1	Clamp
2.6	Y09C-M1025	4	Cap screw	2.32	2312350	2	Hose Assembly
2.7	296420W	2	Washer	2.33	2312351	1	Hose Assembly
2.8	15176W	2	Washer	2.34	2313844	1	Hose Assembly
2.9	2313948	1	Fitting	2.35	2312212	1	Hose Assembly
2.10	R833133	2	Fitting	2.36	239847	1	Hose Assembly
2.11	R833218	1	Fitting	2.37	2312358	1	Hose Assembly
2.12	24257	1.08 ft	Edge Trim	2.38	2315641	2	Hose Assembly
2.13	2307625W	5	Coupler, Quick Male	2.39	2307041W	2	Hose Assembly
2.14	R14040	1	Coupler, Male	2.40	2312819	1	Hose Assembly
2.15	231439	2	Fitting	2.41	2312820	1	Hose Assembly
2.16	R833103	2	Fitting	2.42	2315725	1	Harness - Wire, Winch
2.17	R833104	1	Fitting	2.43	2306151W	1	Label - T
2.18	R833251	3	Fitting	2.44	2306152W	1	Label - PS
2.19	R833253	2	Fitting	2.45	2310919	1	Label - Motor A
2.20	R834100	1	Fitting	2.46	2310920	1	Label - Motor B
2.21	15178W	1	Washer	2.47	R834201	1	Fitting
2.22	211564	1	O-Ring	2.48	R834203	1	Fitting
2.23	231465	1	Fitting	2.49	R834205	2	Fitting
2.24	231955	1	Fitting				
2.25	R833400	3	Fitting	*a	See page 69 for details		
2.26	2311500	1	Fitting Assy	*b	See page 70 for details		

Hydraulic Group

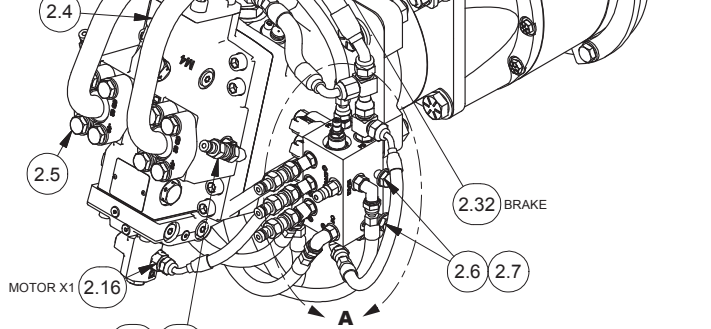
John Deere 750K/850K (H6HH*DE465) w/BRAKE-OFF

First Used S/N 1714

Page 1 of 2

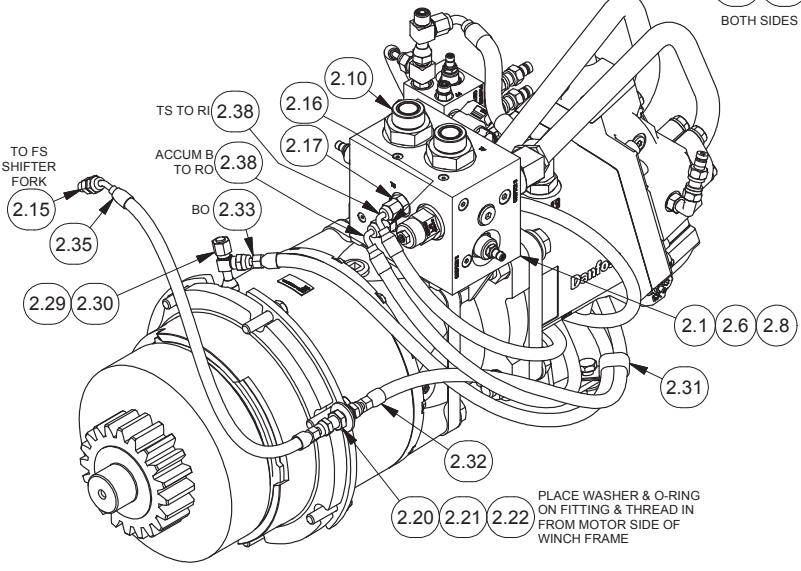


MANIFOLD DETAIL A



BRAKE-OFF HYDRAULICS
BOTH SIDES OF MOTOR

- 1 PLACE 3 FT OF SLEEVE OVER EACH HOSE & FASTEN WITH STRAPS AT BOTH ENDS
- 2 FEED PD HOSE, PP HOSE AND HARNESS THROUGH SLEEVE AND FASTEN WITH STRAPS AT LOOSE END AND WHERE THEY PASS OUT OF THE WINCH.



PLACE WASHER & O-RING ON FITTING & THREAD IN FROM MOTOR SIDE OF WINCH FRAME

Hydraulic Group

John Deere 750K/850K (H6HH*DE465) w/BRAKE-OFF

First Used S/N 1714

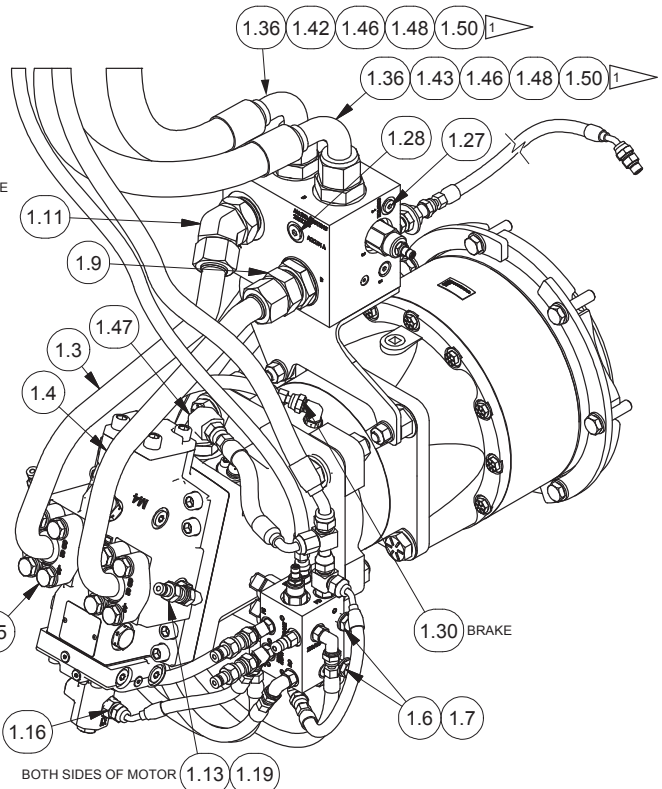
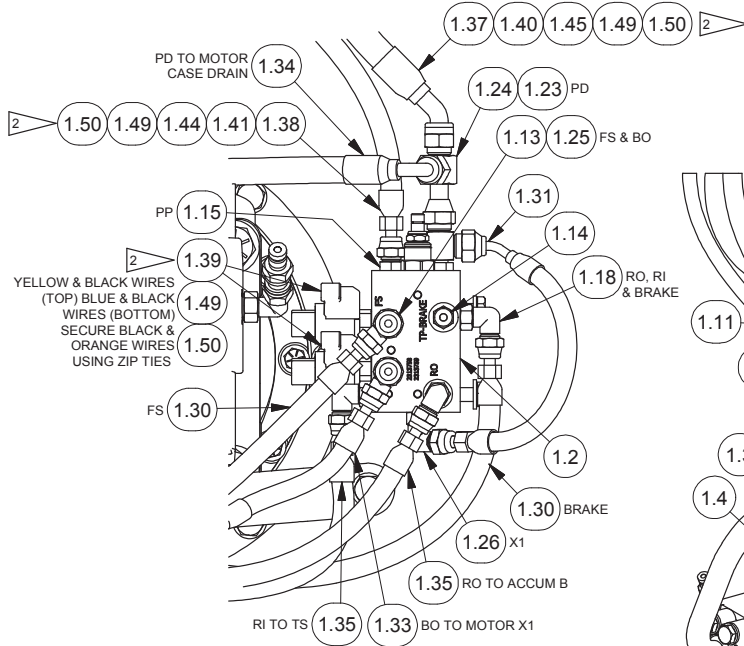
Page 2 of 2

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
2.1	*a 2311718	1	Manifold Assy, Rescue	2.30	232984	1	Fitting
2.2	*b 2313944	1	Manifold	2.31	2312628	1	Clamp
2.3	2316108	1	Tube Assy - Motor A	2.32	2312350	2	Hose Assy
2.4	2316109	1	Tube Assy - Motor B	2.33	2312351	1	Hose Assy
2.5	592255	2	Kit, Split Flange	2.34	2313844	1	Hose Assy
2.6	Y09C-M1025	4	Capscrew	2.35	2312212	1	Hose Assy
2.7	296420W	2	Hard Washer	2.36	2313639	1	Hose Assy
2.8	15176W	2	Flat Washer	2.37	2312358	1	Hose Assy
2.9	2313948	1	Fitting	2.38	2315641	2	Hose Assy
2.10	R833133	2	Fitting	2.39	2307041W	2	Hose Assy
2.11	R833218	1	Fitting	2.40	2312819	1	Hose Assy
2.13	2307625W	5	Fitting	2.41	2312820	1	Hose Assy
2.14	R14040	1	Coupler, Male	2.42	2315725	1	Harness - Wire, Winch
2.15	231439	2	Fitting	2.43	2306151W	1	Label - T
2.16	R833103	2	Fitting	2.44	2306152W	1	Label - Ps
2.17	R833104	1	Fitting	2.45	2310919	1	Label - Motor A
2.18	R833251	3	Fitting	2.46	2310920	1	Label - Motor B
2.19	R833253	2	Fitting	2.47	R834201	1	Fitting
2.20	R834100	1	Fitting	2.48	R834203	1	Fitting
2.21	15178W	1	Flat Washer	2.49	R834205	2	Fitting
2.22	211564	1	O-Ring	2.50	R833260	1	Fitting
2.23	231465	1	Fitting	2.51	R12577880	6'	Sleeve
2.24	231955	1	Fitting	2.52	R13470	4'	Sleeve, Cordura
2.25	R833400	3	Fitting	2.53	129563W	6	Cable Tie
2.26	2311500	1	Fitting Assy				
2.27	235387	1	Fitting				
2.28	229383	1	Fitting	*a	See page 69 for details		
2.29	236855	1	Fitting	*b	See page 70 for details		

Hydraulic Group

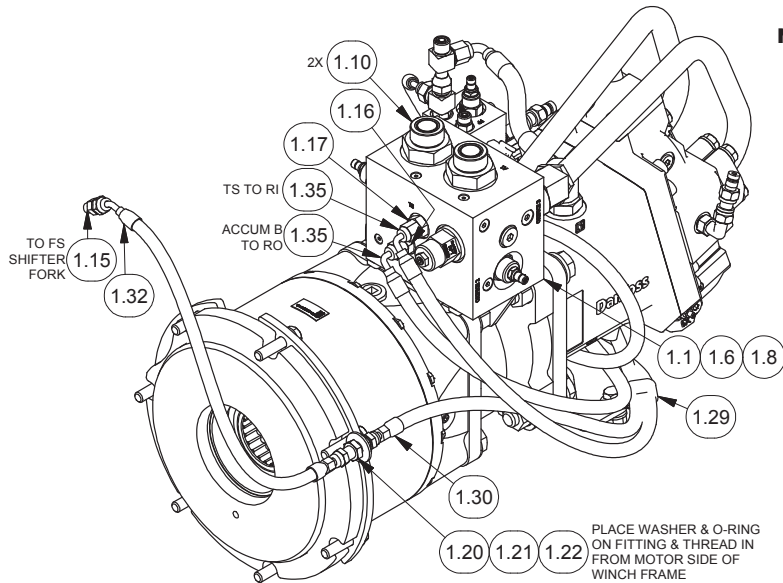
John Deere 750K/850K (H6HH**E465) w/o BRAKE OFF

Page 1 of 2



- 1 PLACE 3 FT OF SLEEVE OVER EACH HOSE & FASTEN WITH STRAPS AT BOTH ENDS
- 2 FEED PD HOSE, PP HOSE AND HARNESS THROUGH SLEEVE AND FASTEN WITH STRAPS AT LOOSE END AND WHERE THEY PASS OUT OF THE WINCH.

NON BRAKE-OFF HYDRAULICS



Hydraulic Group

John Deere 750K/850K (H6HH**E465) w/o BRAKE OFF

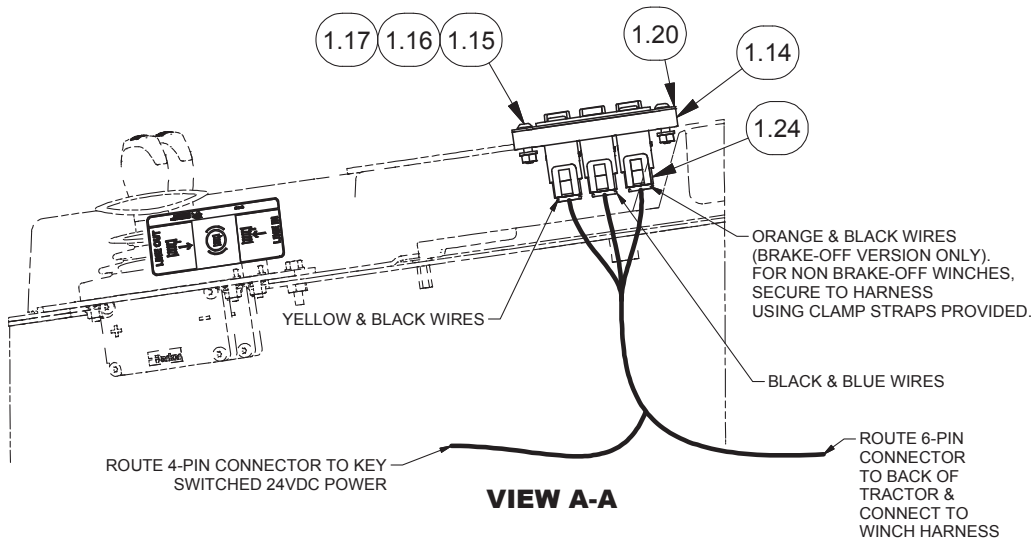
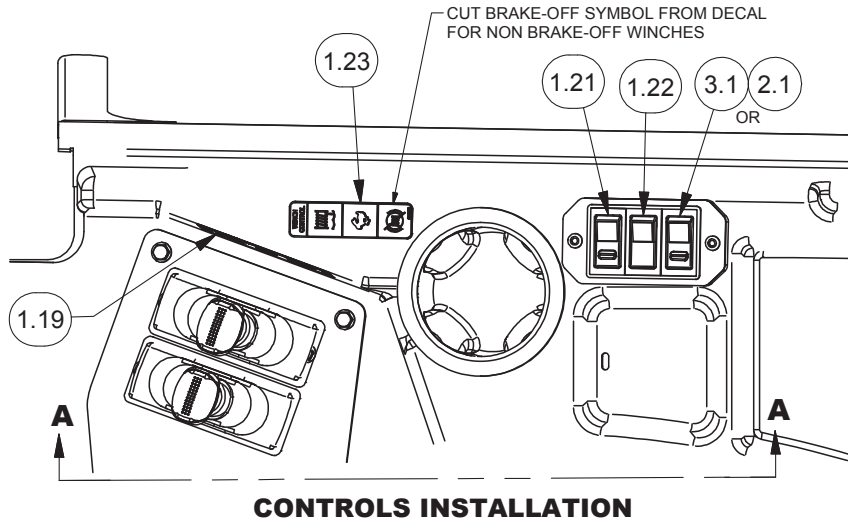
Page 2 of 2

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1.1	*a 2311718	1	Manifold Assy, Rescue	1.30	2312350	2	Hose Assy
1.2	*b 2313758	1	Manifold Assy	1.31	2313844	1	Hose Assy
1.3	*c 2316108	1	Tube Assy - Motor A	1.32	2312212	1	Hose Assy
	*d 2314162	1	Tube Assy - Motor A	1.33	*c 2313639	1	Hose Assy
1.4	*c 2316109	1	Tube Assy - Motor B		*d 2312878	1	Hose Assy
	*d 2314690	1	Tube Assy - Motor B	1.34	2312358	1	Hose Assy
1.5	*c 592255	2	Kit, Split Flange	1.35	2315641	2	Hose Assy
	*d 229448	2	Kit, Split Flange	1.36	2307041W	2	Hose Assy
1.6	Y09C-M1025	4	Capscrew	1.37	2312819	1	Hose Assy
1.7	296420W	2	Hard Washer	1.38	2312820	1	Hose Assy
1.8	15176W	2	Flat Washer	1.39	2315725	1	Harness - Wire, Winch
1.9	2313948	1	Fitting	1.40	2306151W	1	Label - T
1.10	R833133	2	Fitting	1.41	2306152W	1	Label - PS
1.11	R833218	1	Fitting	1.42	2310919	1	Label - Motor A
1.13	2307625W	4	Fitting	1.43	2310920	1	Label - Motor B
1.14	R14040	1	Coupler, Male	1.44	R834201	1	Fitting
1.15	231439	2	Fitting	1.45	R834203	1	Fitting
1.16	R833103	2	Fitting	1.46	R834205	2	Fitting
1.17	R833104	1	Fitting	1.47	R833260	1	Fitting
1.18	R833251	3	Fitting	1.48	R12577880	6'	Sleeve
1.19	R833253	2	Fitting	1.49	R13470	4'	Sleeve, Cordura
1.20	R834100	1	Fitting	1.50	129563W	6	Cable Tie
1.21	15178W	1	Flat Washer				
1.22	211564	1	O-Ring	*a	See page 69 for details		
1.23	231465	1	Fitting	*b	See page 64 for details		
1.24	231955	1	Fitting	*c	First Used S/N 1714		
1.25	R833400	2	Fitting	*d	Last Used S/N 1713		
1.26	2311500	1	Fitting Assy				
1.27	235387	1	Fitting				
1.28	229383	1	Fitting				
1.29	2312628	1	Clamp				

Electrical Installation

John Deere 750K/850K (H6HH**E465) E/H CONTROLS, w/o BRAKE OFF

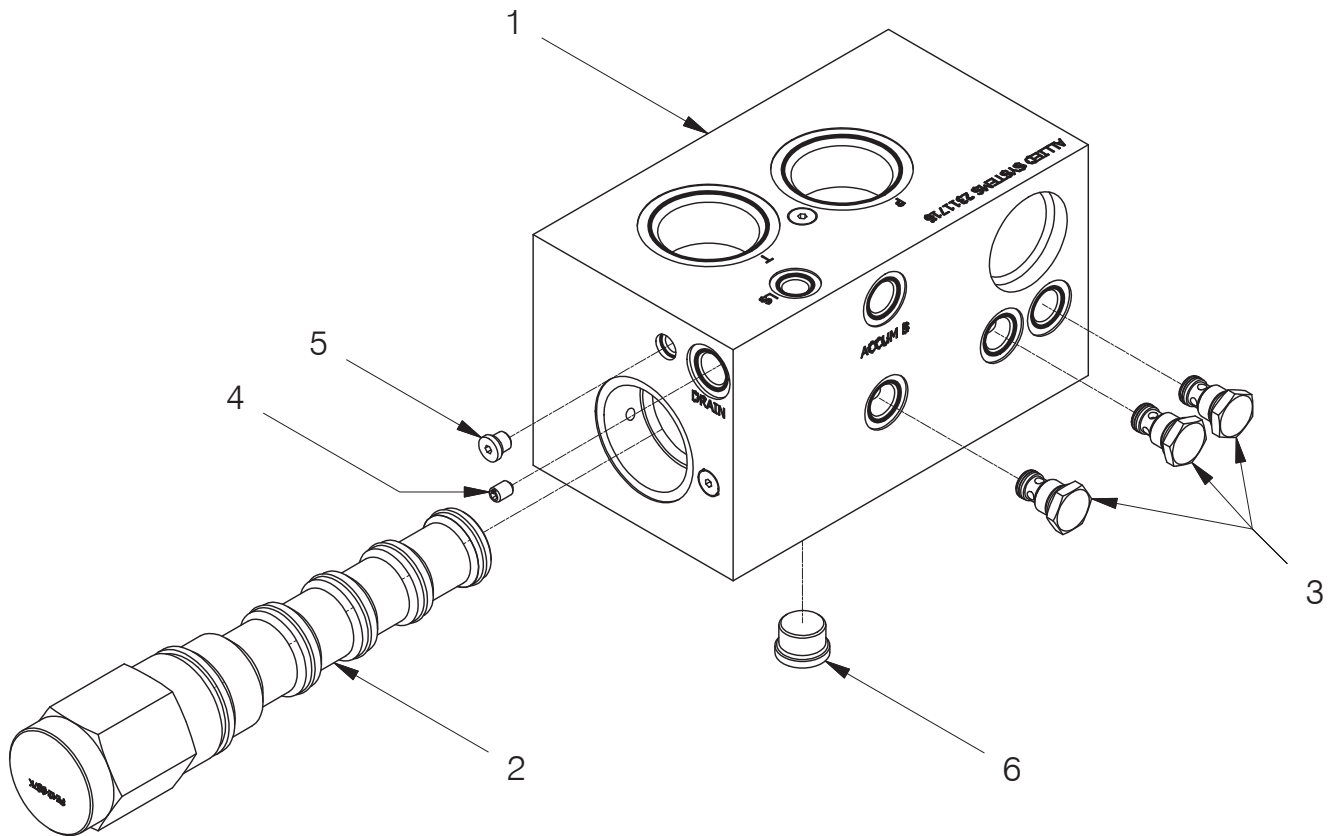
Page 1 of 2



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1.14	2311530	1	Mounting Plate Switch	1.22	2311072	1	Switch Assembly
1.15	R13808536	2	Capscrew	1.23	2315729	1	Decal - Freespool, Brake-Off & Hi-Speed
1.16	292653W	2	Nut	1.24	2315726	1	Harness - Wire, Console
1.17	296417W	2	Washer	2.1	234509	1	Cover, Blank
1.19	2312177	1	Decal	3.1	2310504	1	Assy, Switch w/Lock 24V Red
1.20	2313525	1	Switch Panel Assembly				
1.21	2310013	1	Switch Assembly				

Directional Manifold Assembly

John Deere 750/850J (H6HH**E47), 750/850K (H6HH**E460)

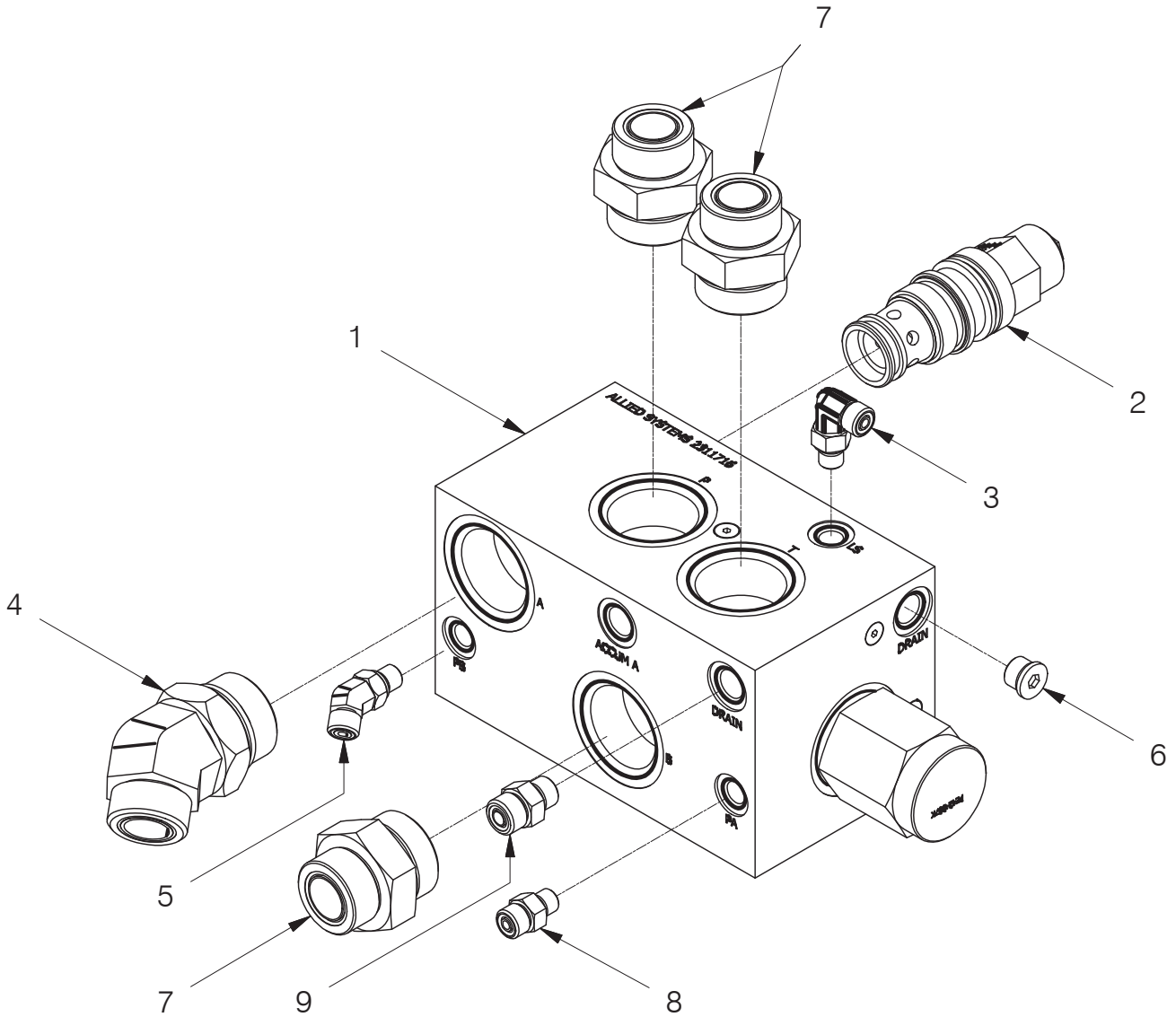


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2311716	1	Assy, Hi-P Directional Manifold				
1	2311717	1	. Body, Directional Manifold	4	2312959	1	. Orifice
2	2307024W	1	. Valve, Proportional Spool Cartridge	5	257557	1	.. Set Screw (Not Shown)
	2307235W	1	.. Kit, Seal (Not Shown)	6	2313072	1	. Screen
3	2312103	3	. Valve, Check				
	2312114	3	.. Kit, Seal (Not Shown)				

Directional Manifold Assembly

John Deere 750/850J (E47)(E48), 750K/850K (E460)

Last Used on S/N 1496

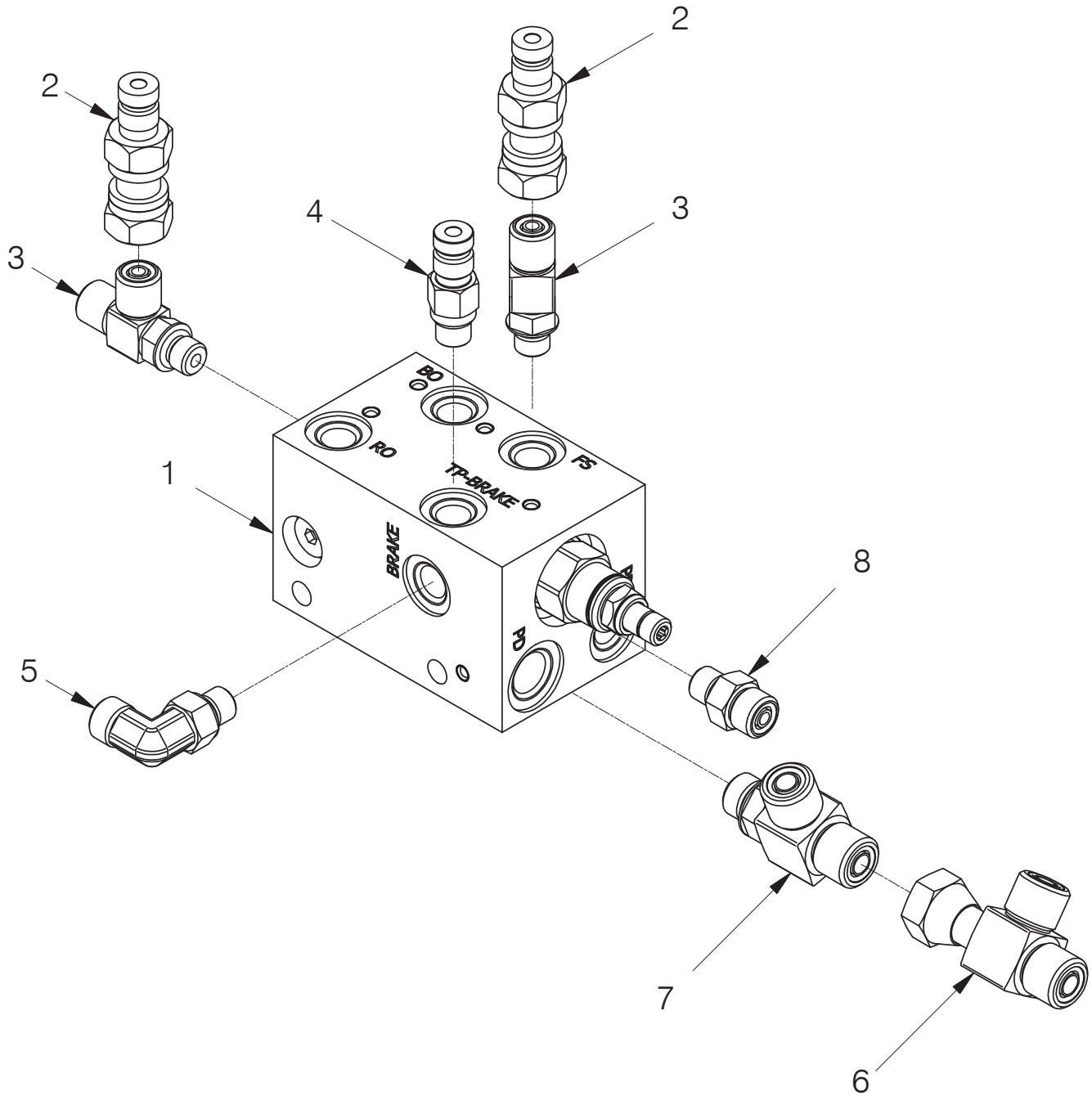


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2312760	1	Assy, Directional Manifold				
1	*a 2311716	1	. Assy, Directional Manifold	6	229383	1	. Fitting
2	2307265W	1	. Valve, Counterbalance	7	R833133	3	. Fitting
	243815	1	. . Kit, Seal (Not Shown)	8	231439	1	. Fitting
3	R833251	1	. Fitting	9	231440	1	. Fitting
4	R833218	1	. Fitting				
5	R833200	1	. Fitting				

*a See page 61 for details

Control Manifold Assembly

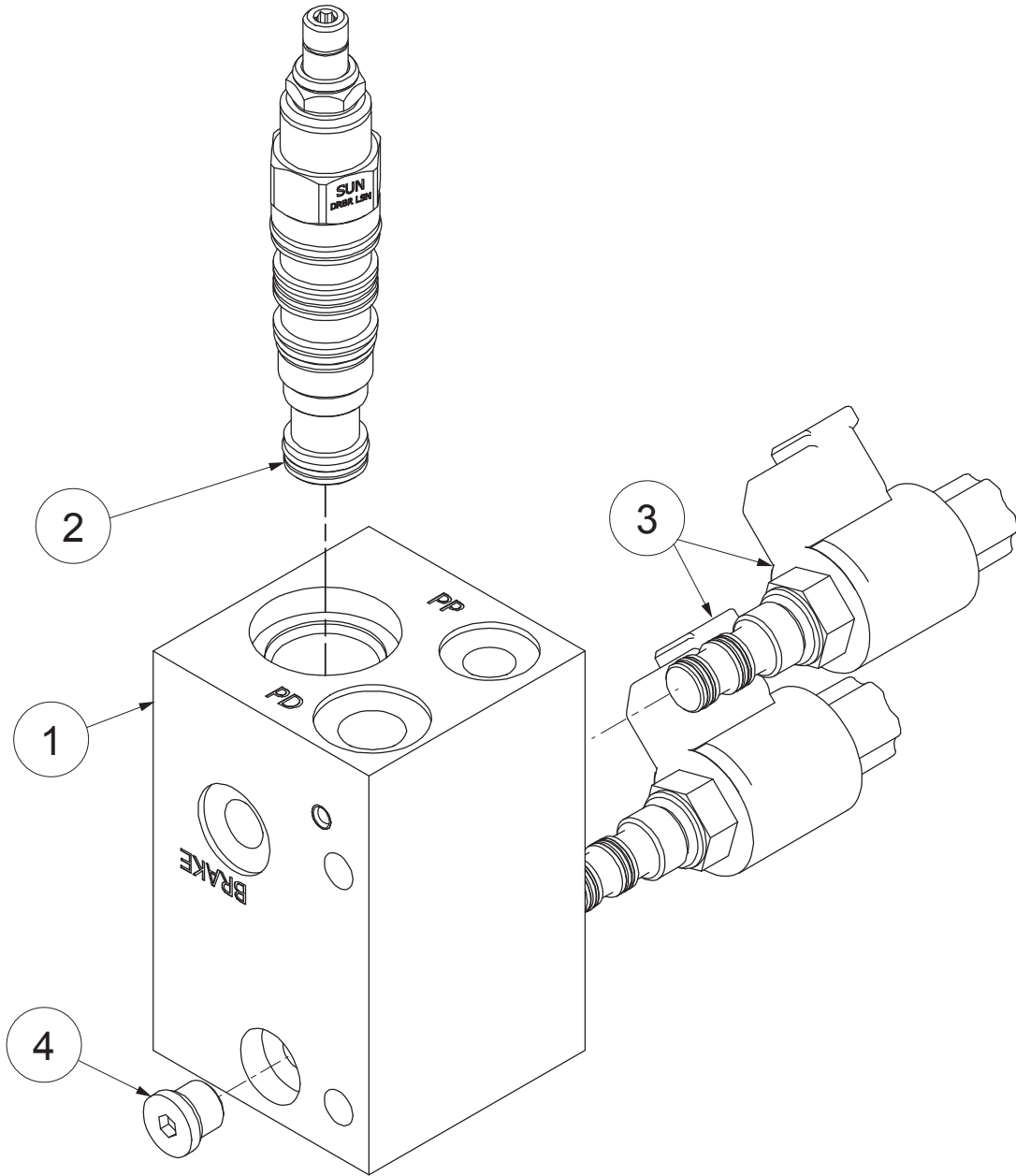
John Deere 750/850J (E47)(E48), 750K/850K (E460)



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2312908	1	Assy, Control Manifold				
1	*a 2311770	1	. Assy, Control Manifold	6	231955	1	. Fitting
2	2307625W	2	. Coupler	7	231465	1	. Fitting
3	R833400	2	. Fitting	8	231439	1	. Fitting
4	R14040	1	. Coupler				
5	R833251	1	. Fitting				
				*a	See page 68 for details		

Control Manifold Assembly

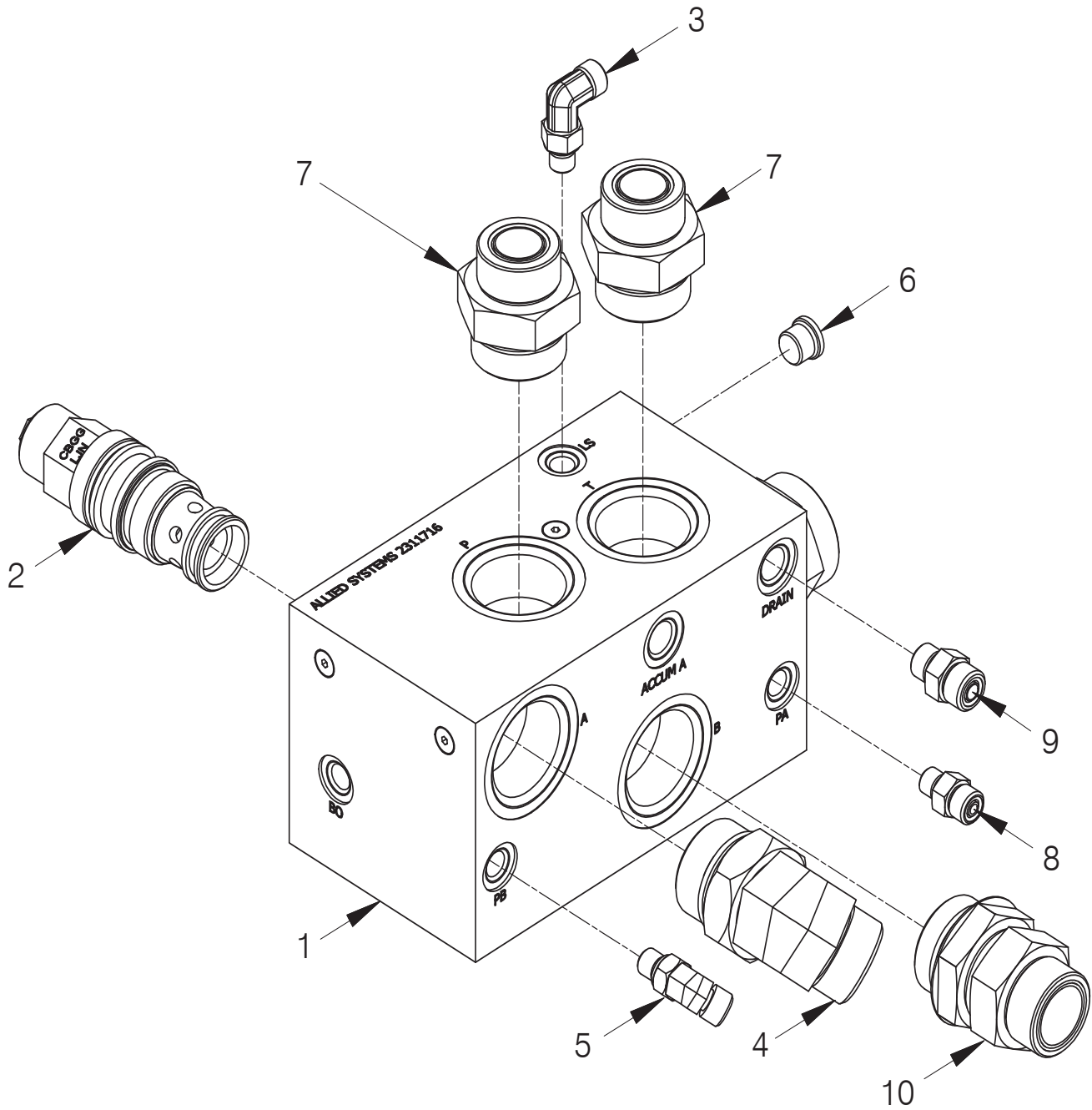
John Deere 750K/850K (H6HH*DE465)



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2313758		Manifold Assy	3	2312073	2	. Valve, Solenoid
1	2313759	1	. Manifold - Body, Control		2312111	1	.. Seal Kit
2	2311592	1	. Valve, Brake		2313984	1	.. Coil
	252566	1	.. Seal Kit	4	2312074	1	. Valve, Shuttle
					2312112	1	.. Seal Kit

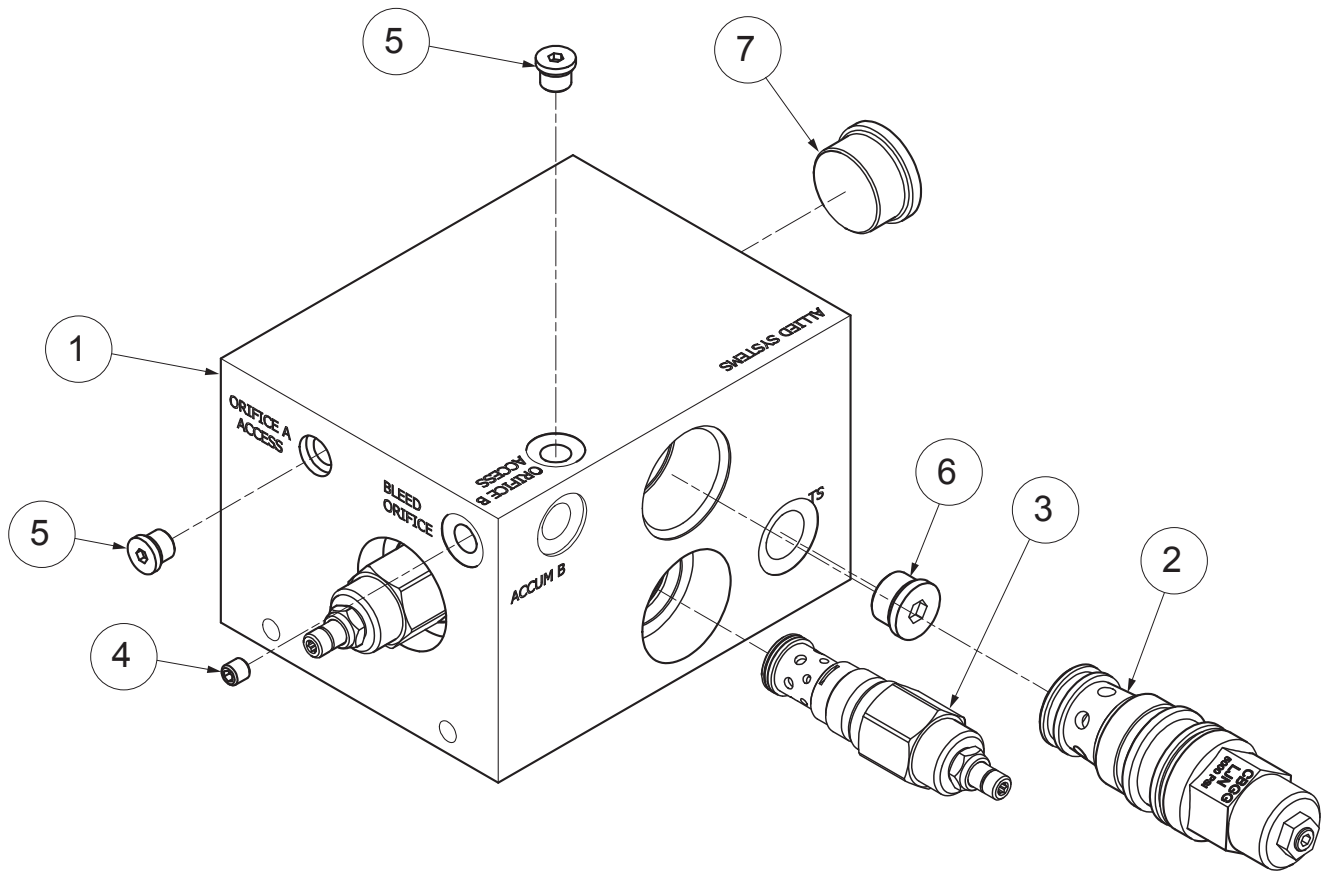
Directional Manifold Assembly

John Deere 750/850J (E48) (H6HH**E47)
 John Deere 750J/850J, and 750K/850K (H6HH**E460)
 First Used on S/N 1497



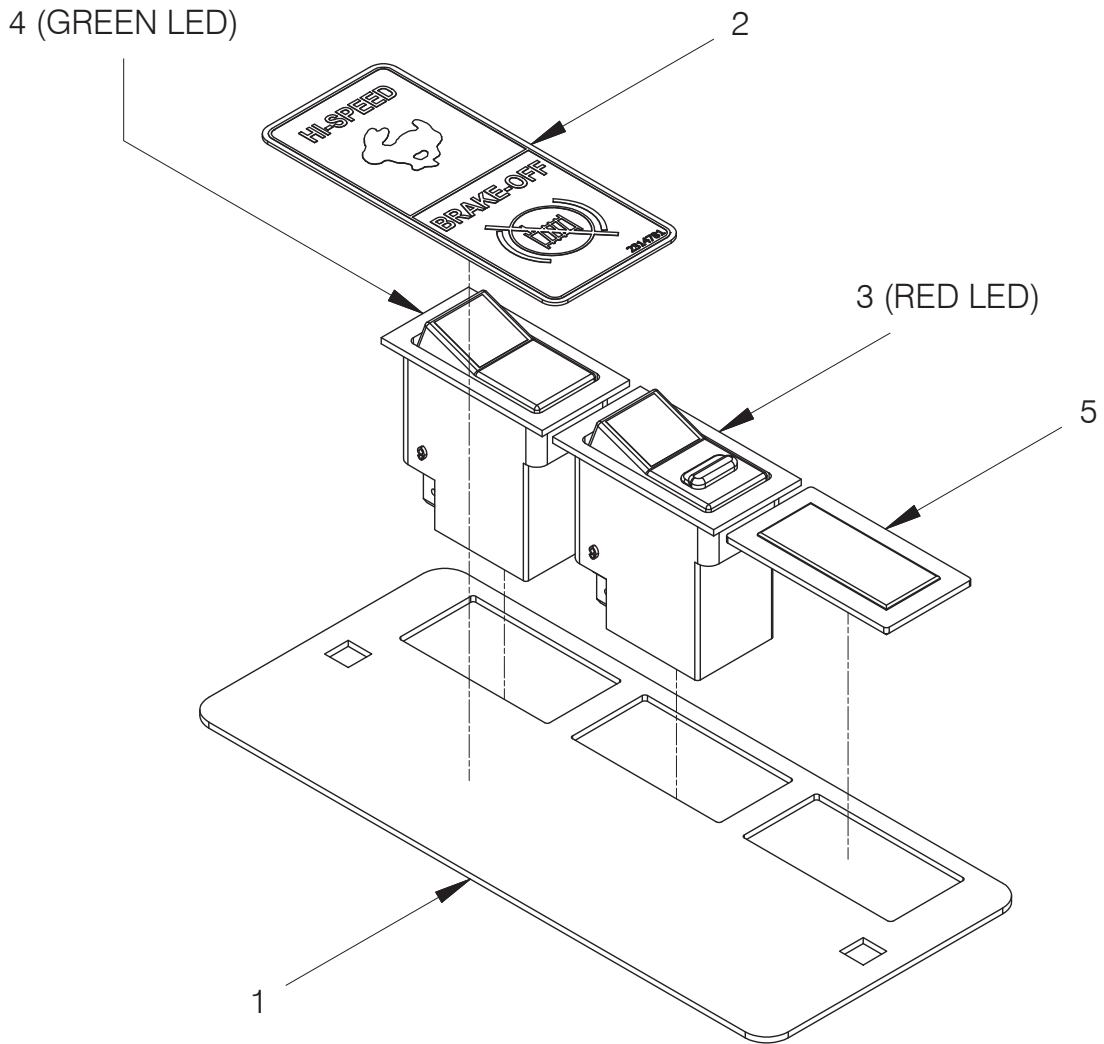
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2314687	1	Assy, Directional Manifold				
1	*a 2311716	1	. Assy, Directional Manifold	7	R833133	2	. Fitting
2	2307265W	1	. Valve, Counterbalance	8	231439	1	. Fitting
	243815	1	. Kit, Seal (Not Shown)	9	231440	1	. Fitting
3	R833251	1	. Fitting	10	2313948	1	. Fitting
4	R833218	1	. Fitting				
5	R833200	1	. Fitting	*a	See page 61 for details		
6	229383	1	. Fitting				

Counterbalance Relief Manifold Assembly



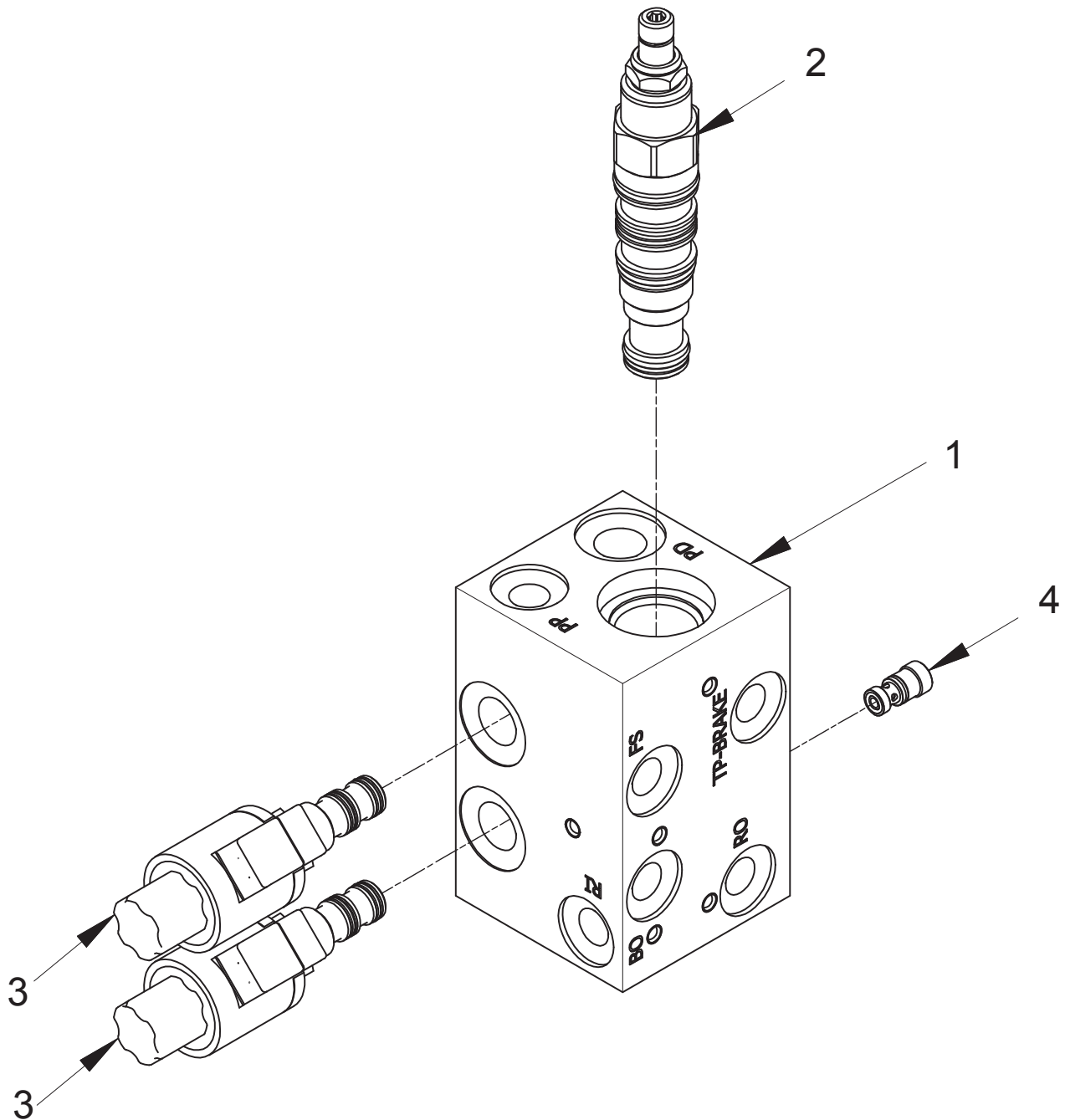
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2312941		Assembly - Manifold, Counterbalance Relief				
1	2312940	1	. Manifold - Body, Counterbalance Relief	4	2310181	1	. Plug
2	2312068	1	. Valve, Counterbalance	5	235387	3	. Fitting
	243815	1	.. Seal Kit	6	229345	1	. Fitting
3	2307438W	2	. Relief Valve	7	227949	1	. Fitting
	259258	1	.. Seal Kit				

Switch Panel Assembly
 FREESPOOL, BRAKE-OFF & HI-SPEED



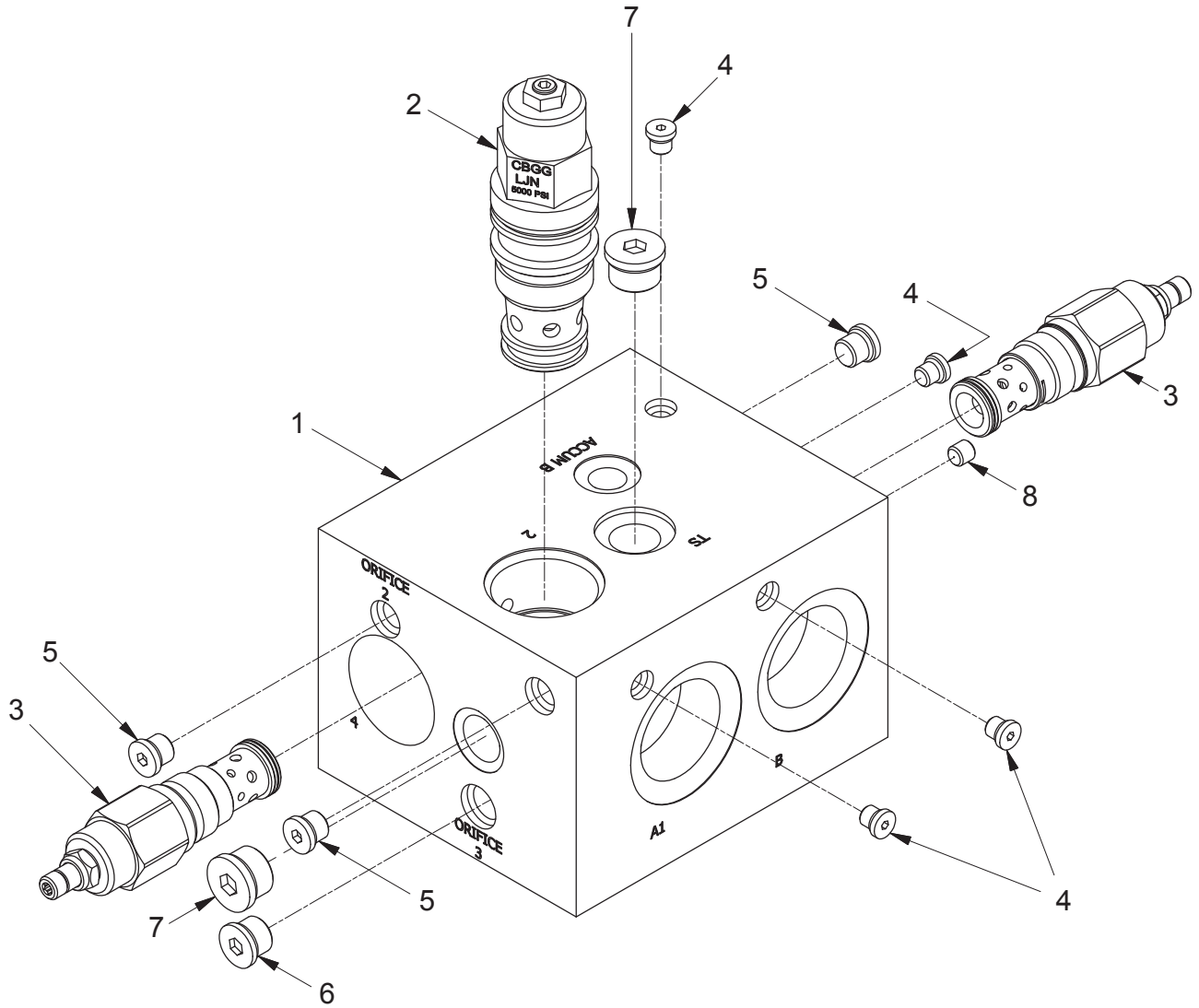
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2314787	1	Assy, Switch Panel; BRAKE-OFF & HI-SPEED				
1	2313136	1	. Plate, Switch Mounting	4	2311072	1	. Assy, Switch; 12/24V, Green LED
2	2314781	1	. Decal, Switch Panel; Brake-Off & Hi-Speed	5	234509	1	. Cover, Blank
3	2310504	1	. Assy, Switch; 24V, Red LED				

Control Manifold Assembly



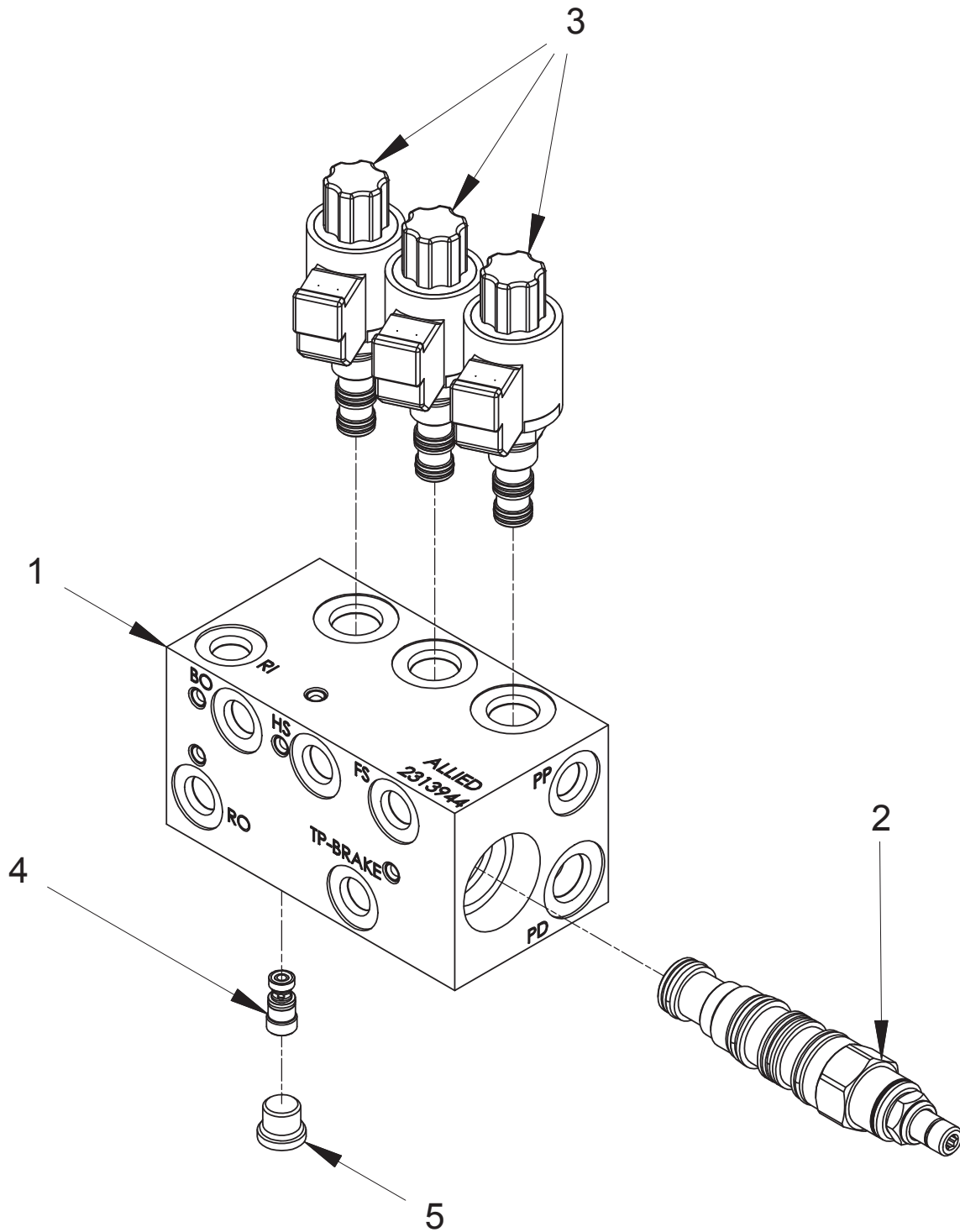
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2311770	1	Assy, Control Manifold				
1	2311771	1	. Body, Control Manifold	4	2312074	1	. Valve, Shuttle
2	2311592	1	. Valve, Directional		2312112	1	.. Seals, O-Ring
	252566	1	.. Kit, Seal				
3	2312073	2	. Valve, Cartridge				
	2314106	1	.. Base, Valve Cartridge				
	2313984	1	.. Coil				
	2312111	1	.. Kit, Seal				

Counterbalance Relief Manifold Assembly



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2311718	1	Assy, Counterbalance Relief Manifold				
1	2311719	1	. Body, Manifold	4	242230	4	. Fitting
2	2312068	1	. Valve, Counter Balance	5	235387	3	. Fitting
	243815	1	. . Seal Kit (Not Shown)	6	229383	1	. Fitting
3	2307438W	2	. Valve, Relief	7	229345	2	. Fitting
	259258	1	. . Kit, Seal	8	2310181	1	. Plug, Orifice

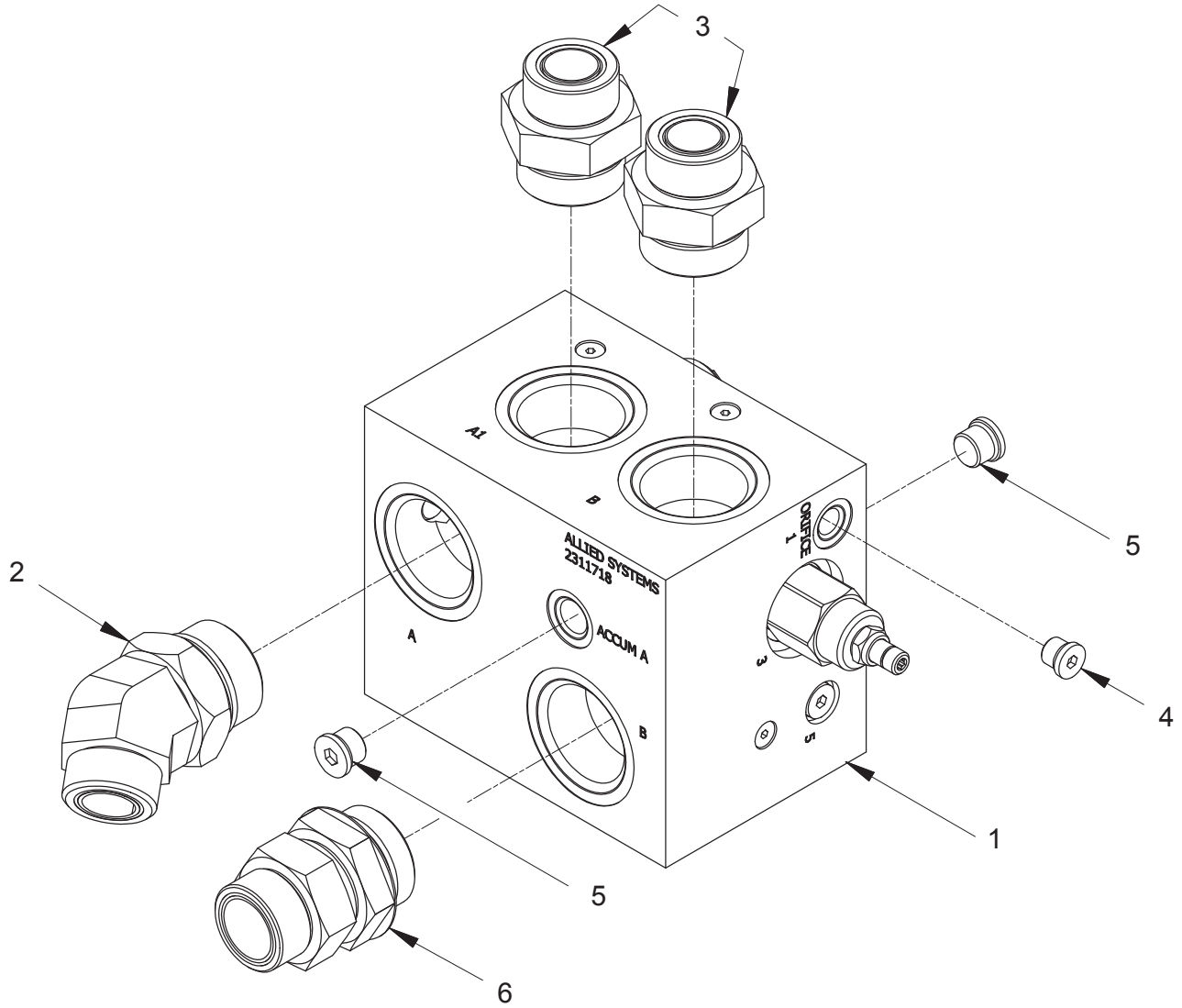
Control Manifold Assembly



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2313944	1	Assy, Control Manifold				
1	2313943	1	. Body, Control Manifold	4	2312074	1	. Valve, Shuttle
2	2311592	1	. Valve, Directional		2312112	1	.. Seal, O-Ring
	252566	1	.. Kit, Seal	5	235387	1	. Fitting
3	2312073	3	. Valve, Cartridge				
	2312111	1	.. Kit, Seal				

Manifold Assembly

First Used on S/N H6H-1497



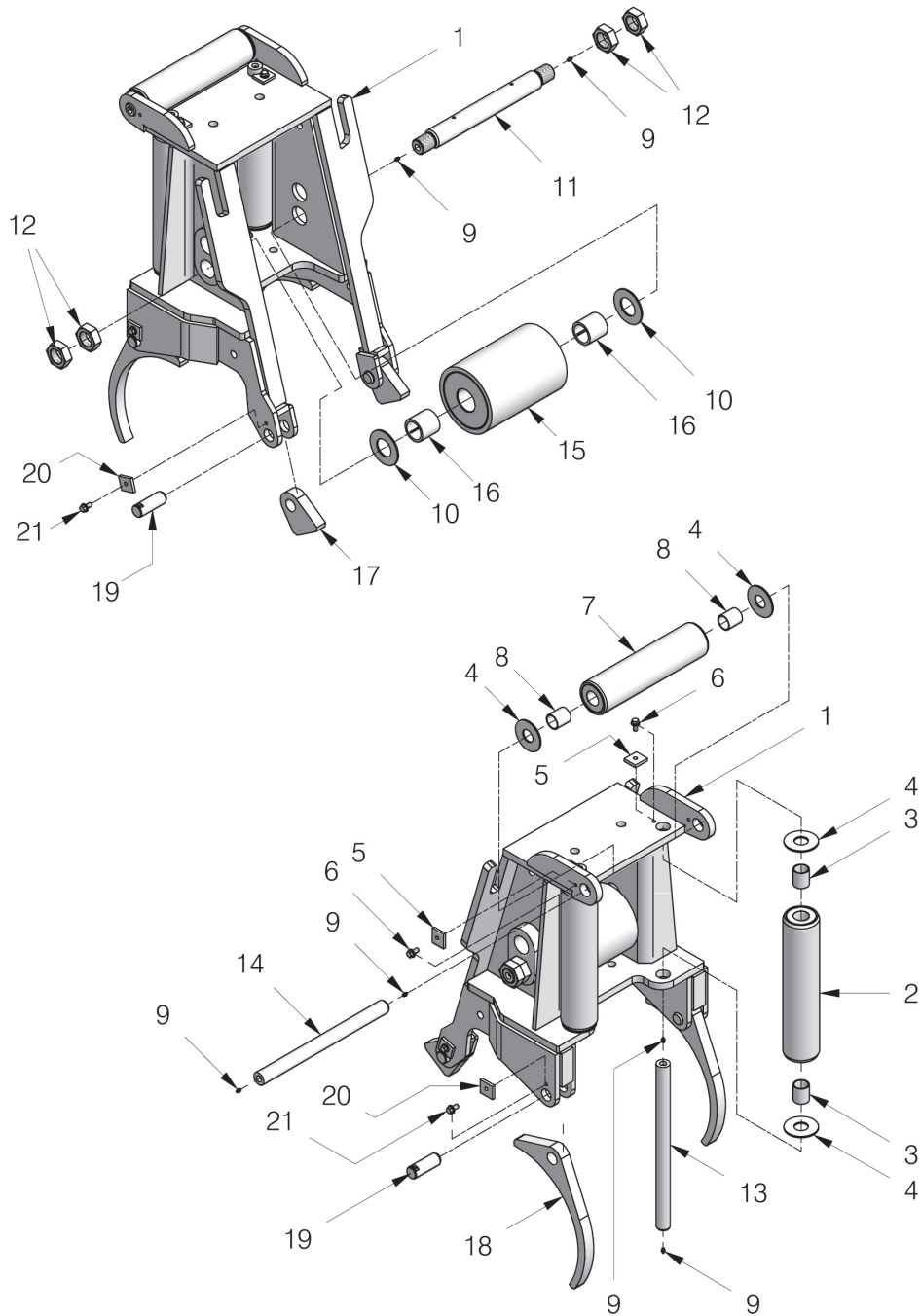
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2314691	1	Assy, Manifold				
1	*a 2311718	1	. Assy, Counterbalance Relief Manifold	4	235387	1	. Fitting
2	R833218	1	. Fitting	5	229383	2	. Fitting
3	R833133	2	. Fitting	6	2313948	1	. Fitting

*a See page 69 for details

Intentionally Blank

Section 4
Optional Equipment

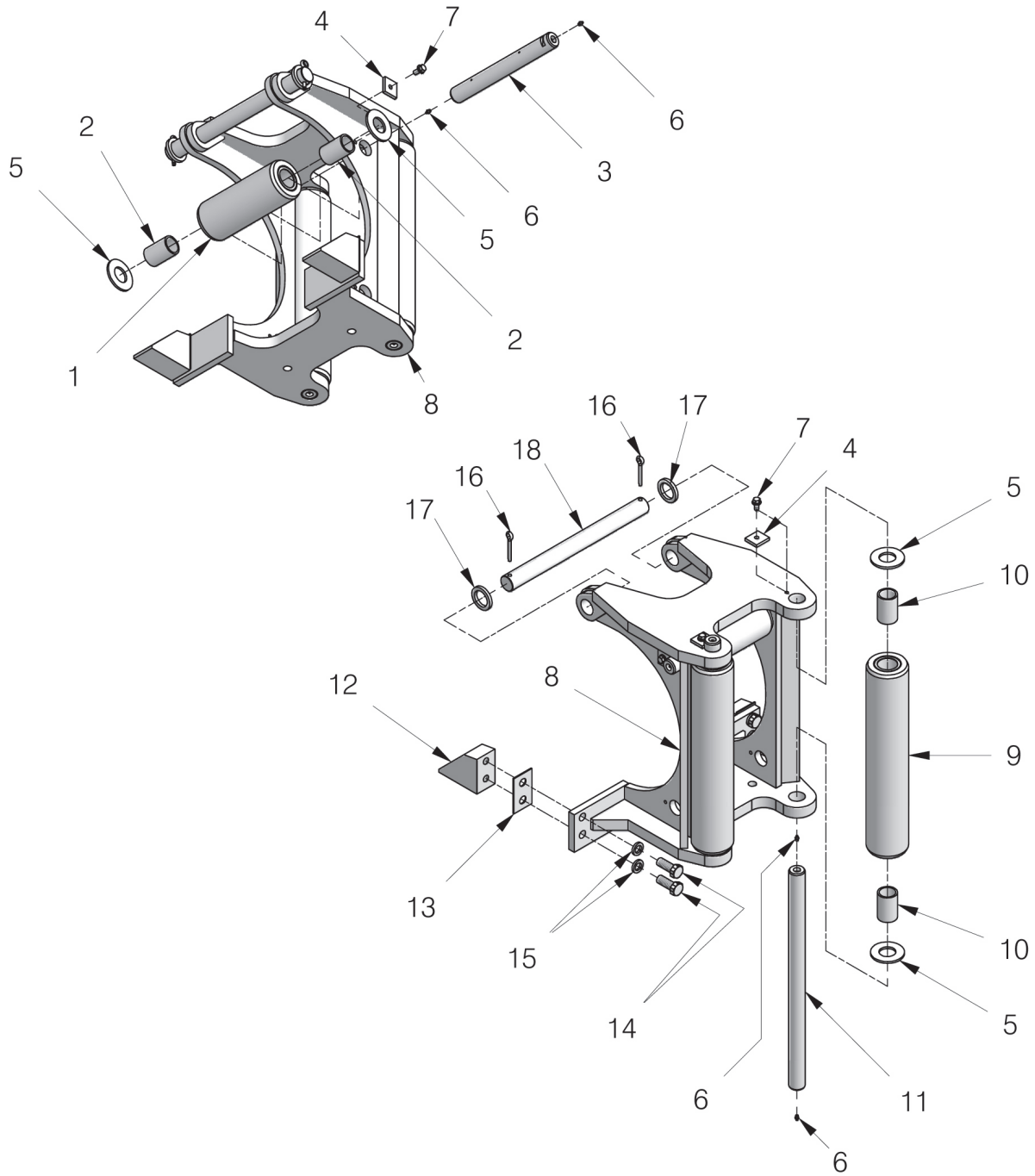
Arch



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2301748W	1	Arch Assembly				
1	2301749W	1	. Arch	12	221336W	4	. Nut
2	2301907W	2	. Roller	13	2301920W	2	. Shaft
3	35135W	2	. . Bushing	14	2301919W	1	. Shaft
4	331767W	6	. Washer	15	2301925W	1	. Roller
5	2301706W	3	. Keeper	16	2817W	2	. . Bushing
6	398817W	3	. Flange, Screw	17	2310726	2	Ear, Arch
7	2301910W	1	. Roller	18	2312168	2	Lug, Wrapped
8	35135W	2	. . Bushing	19	2301924W	4	Pin
9	16001W	8	. Fitting, Grease	20	2301706W	4	Keeper
10	2821W	2	. Washer	21	398817W	4	Flange Screw
11	2302120W	1	. Shaft				

Fairlead

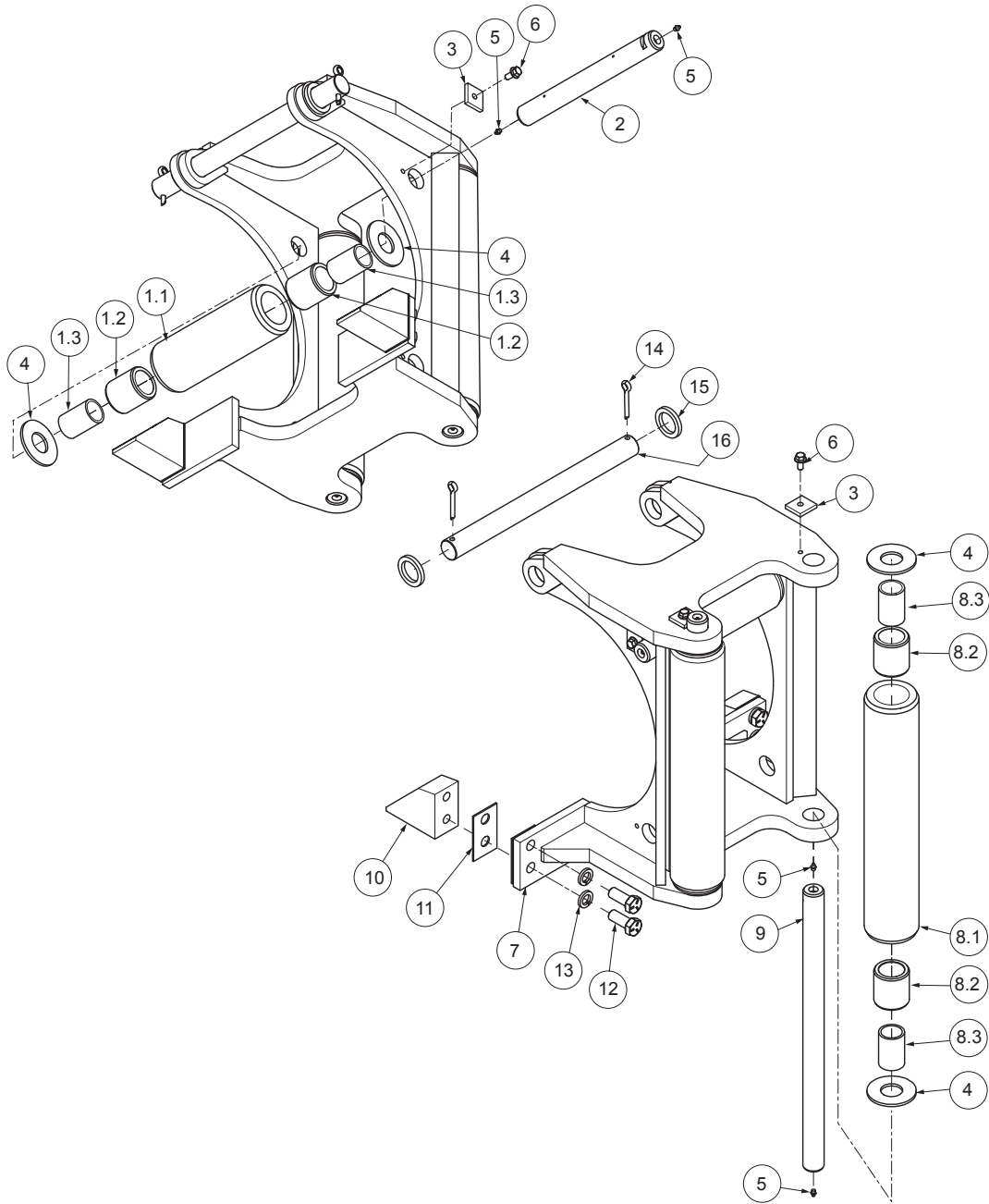
3-Roller, Last Used S/N 1609



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2301731W		Fairlead Assembly, 3-Roller				
1	2301727W	1	. Roller	10	2570W	4	.. Bushing
2	2570W	2	.. Bushing	11	2301721W	2	. Shaft
3	2301722W	1	. Shaft	12	226374W	2	Bracket
4	2301706W	3	. Keeper	13	93878W	AR	Shim
5	33394W	6	. Washer	14	18669W	4	Capscrew
6	16001W	6	. Fitting, Grease	15	15166W	4	Washer
7	398817W	3	. Screw, Flange	16	15272W	2	Pin, Cotter
8	2301718W	1	. Fairlead	17	2312437	2	Spacer
9	2301726W	2	. Roller	18	2312580	1	Bar, Tie

Fairlead

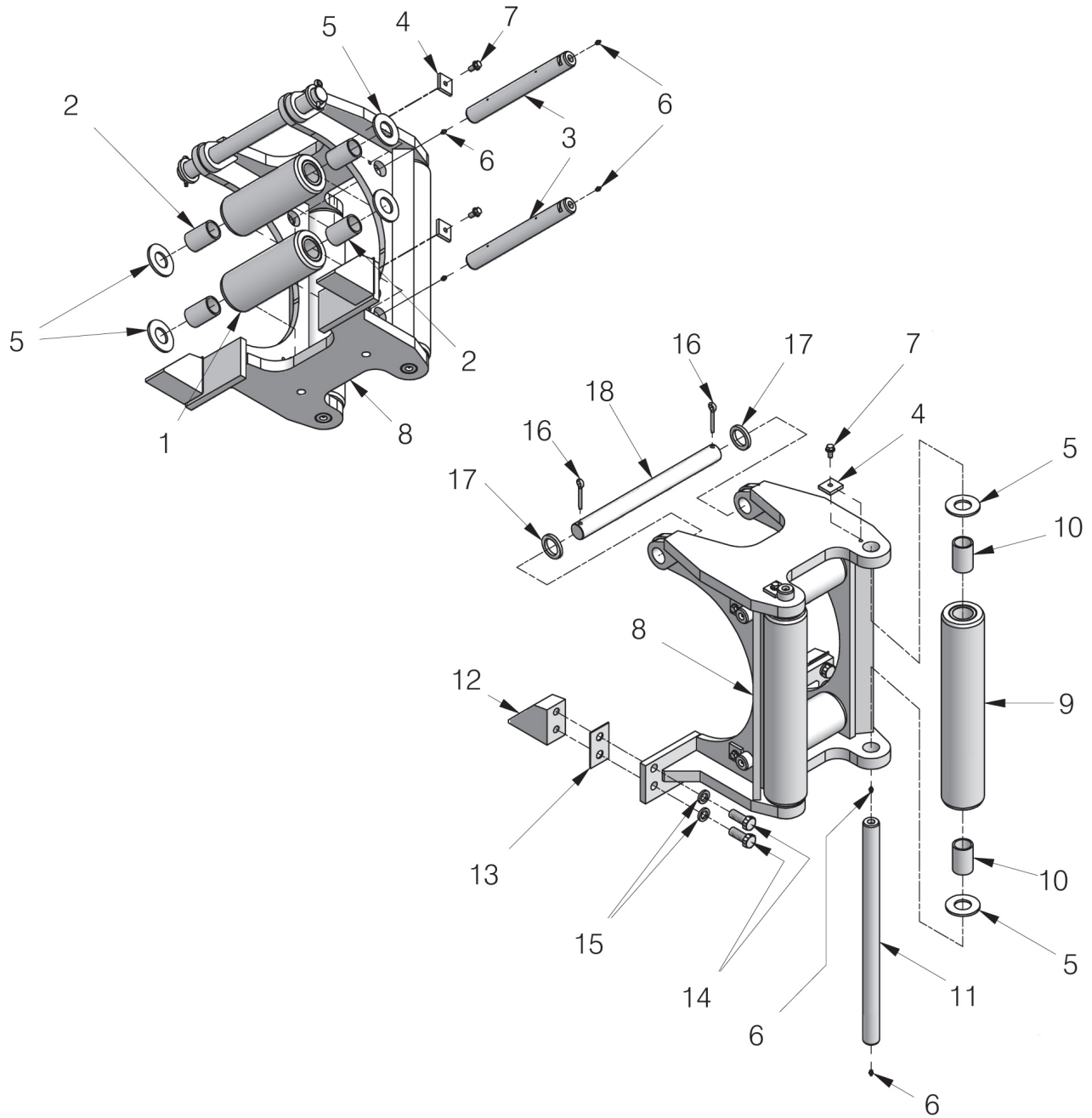
3-Roller, First Used S/N 1610



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2315548		Fairlead Assembly, 3-Roller				
1	2315545	1	Roller Assy	8.1	2301724W	1	. Tube
1.1	2315544	1	. Tube	8.2	2301961W	2	. Spacer
1.2	2301961W	2	. Spacer	8.3	2570W	2	. Bushing
1.3	2570W	2	. Bushing	9	2301721W	2	Shaft, Vertical
2	2315546	1	Shaft	10	226374W	2	Bracket - Fairlead
3	2301706W	3	Keeper	11	93878W	8	Shim
4	2314097	6	Washer	12	18668W	4	Capscrow
5	16001W	6	Fitting, Lube	13	15166W	4	Washer
6	398817W	3	Screw, Flange	14	15272W	2	Cotter Pin
7	2315555	1	Frame, Fairlead	15	173607W	2	Spacer
8	2301726W	2	Roller Assy	16	2312580	1	Rod - Tie

Fairlead

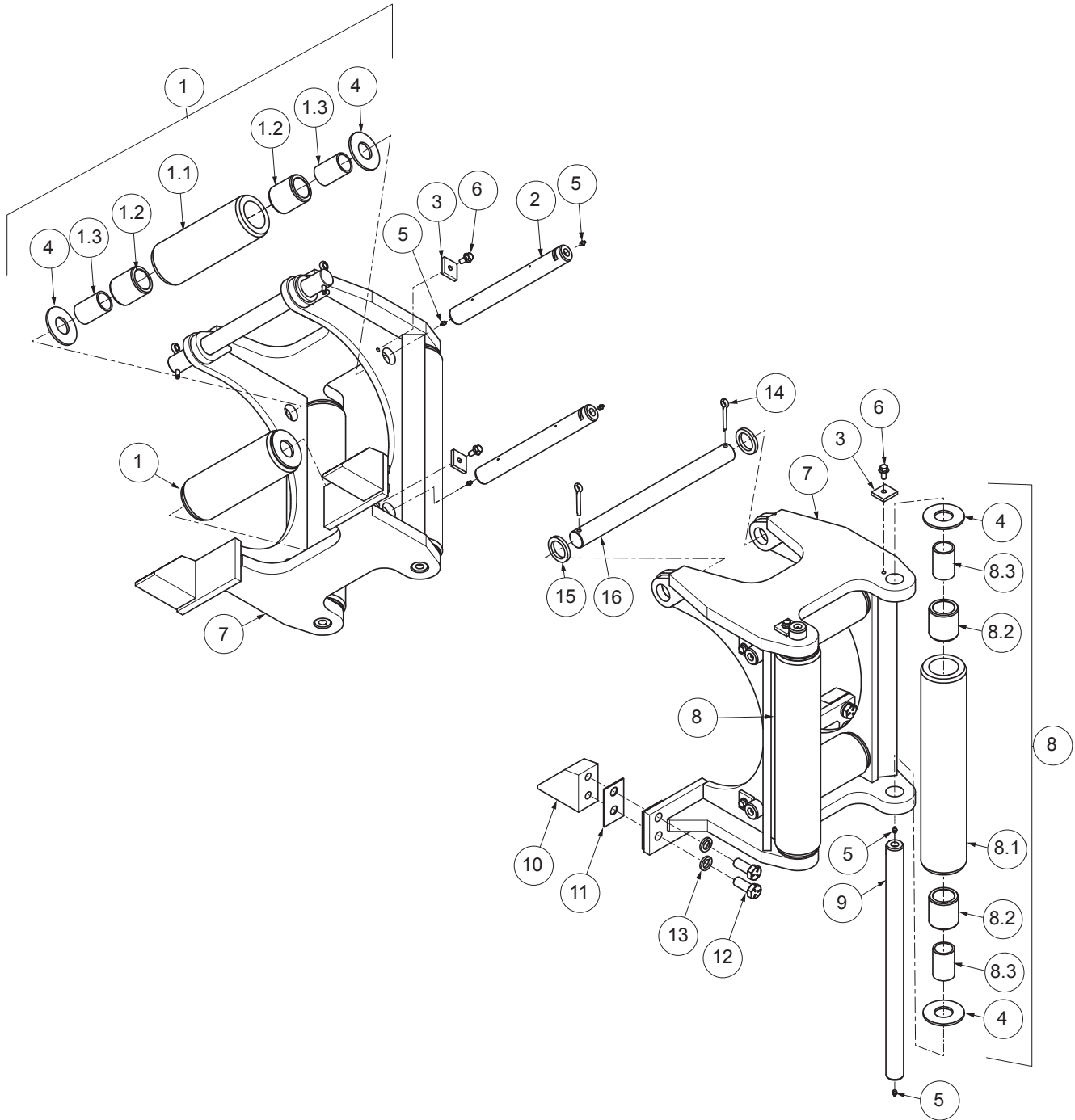
4-Roller, Last Used S/N 1609



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2301732W		Fairlead Ass'y, 4-Roller				
1	2301727W	2	. Roller	10	2570W	4	. . Bushing
2	2570W	4	. . Bushing	11	2301721W	2	. Shaft
3	2301722W	2	. Shaft	12	226374W	2	Bracket
4	2301706W	4	. Keeper	13	93878W	AR	Shim
5	33394W	8	. Washer	14	18668W	4	Capscrew
6	16001W	8	. Fitting, Grease	15	15166W	4	Washer
7	398817W	4	. Screw, Flange	16	15272W	2	Pin, Cotter
8	2301718W	1	. Fairlead	17	2312437	2	Spacer
9	2301726W	2	. Roller	18	2312580	1	Bar, Tie

Fairlead

4-Roller, Wide, First Used S/N 1610



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2315549		Fairlead Ass'y, 4-Roller				
1	2315545	2	Assy, Roller	8.1	2315544	1	. Tube
1.1	2315544	1	. Tube	8.2	2301961W	2	. Spacer
1.2	2301961W	2	. Spacer	8.3	2570W	2	. Bushing
1.3	2570W	2	. Bushing	9	2301721W	2	Shaft, Vertical
2	2315546	2	Shaft	10	226374W	2	Bracket, Fairlead
3	2301706W	4	Keeper	11	93878W	8	Shim
4	2314097	8	Washer	12	18668W	4	Capscrew
5	16001W	8	Fitting, Lube	13	15166W	4	Washer
6	398817W	4	Screw, Flange	14	15272W	2	Cotter Pin
7	2315555	1	Frame, Fairlead	15	173607W	2	Spacer
8	2301726W	2	Assy, Roller	16	2312580	1	Bar, Tie

Wire Rope Assemblies

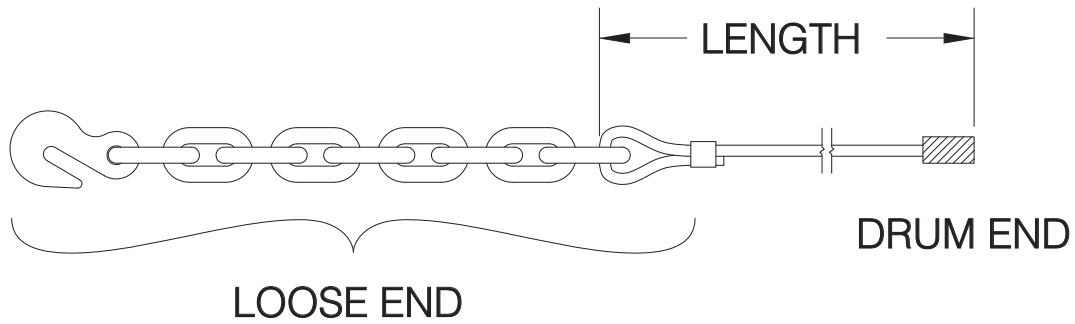


Figure A

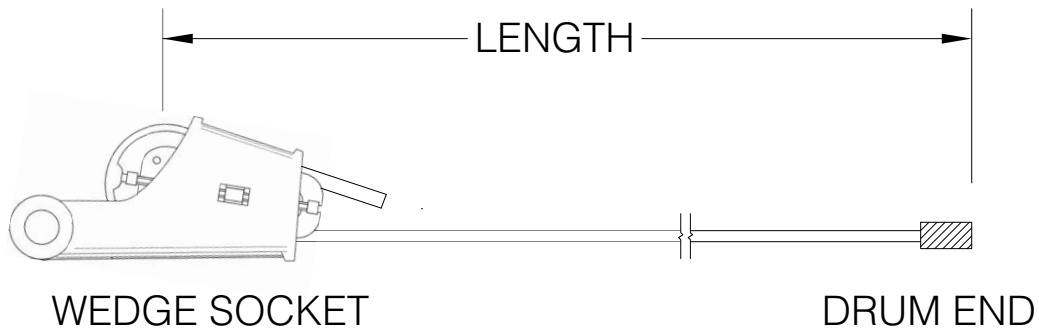


Figure B

Part No.	Wire Diameter	Length FT (M)	Part No.	Wire Diameter	Length FT (M)
WR6-275L *a	3/4"	275 (84) *c	WR8-154L *a	1"	154 (47) *c
WR6-413L *a	3/4"	413 (126) *d	WR8-230L *a	1"	230 (70) *d
YS6-275LWS *b	3/4"	275 (84) *c	YS8-154LWS *b	1"	154 (47) *c
YS6-413LWS *b	3/4"	413 (126) *d	YS8-230LWS *b	1"	230 (70) *d
WR7-198L *a	7/8"	198 (60) *c			
WR7-297L *a	7/8"	297 (91) *d			
YS7-198LWS *b	7/8"	198 (60) *c			
YS7-297LWS *b	7/8"	297 (91) *d			

*a WR Series Wire Rope (Illustrated in Figure A)
 *b YS Series Wire Rope (Illustrated in Figure B)
 *c Length to fill drum to 2/3 capacity (recommended)
 *d Length to fill drum to full capacity

Section 5
Recommended Winch Service Intervals and Kits

Recommended Winch Service Intervals and Kits

Following the service schedule recommended here to help keep dozer winch downtime to a minimum, optimize winch operation, and extend the life of your investment.

See Table 1 for recommended service intervals, and Table 2 for recommended service kits.

Hydraulic Winch Maintenance					
Recommended Winch Service Intervals					
Hours or **	Months **	Filter ***	Winch Gear Oil	Brake & Clutch	Major Overhaul
First 250	1	Change			
Every 500	3	Change			
Every 2,000	12		Change		
Every 5,000				*Inspect	
Every 10,000					*Evaluate
Lube rollers and check oil level and filter light every week.					
<p>* Evaluate = Service based on average winch use; If used more than once a day, perform an overhaul. If used less than once a day, remove covers and check to determine need.</p> <p>* Inspect = Disassemble and inspect for wear.</p> <p>** Service winch using the dozer's hour meter or the length of time the winch is mounted to the dozer, whichever occurs first.</p> <p>*** Follow dozer schedule if using dozer filter.</p>					
Recommended Gear Compartment Oil					
Chevron	Drive Train Fluids HD	Consult service/operating manual for low temperature oils and other details. Use of non-recommended oil may void the warranty.			
ExxonMobil	Mobiltrans HD Series				

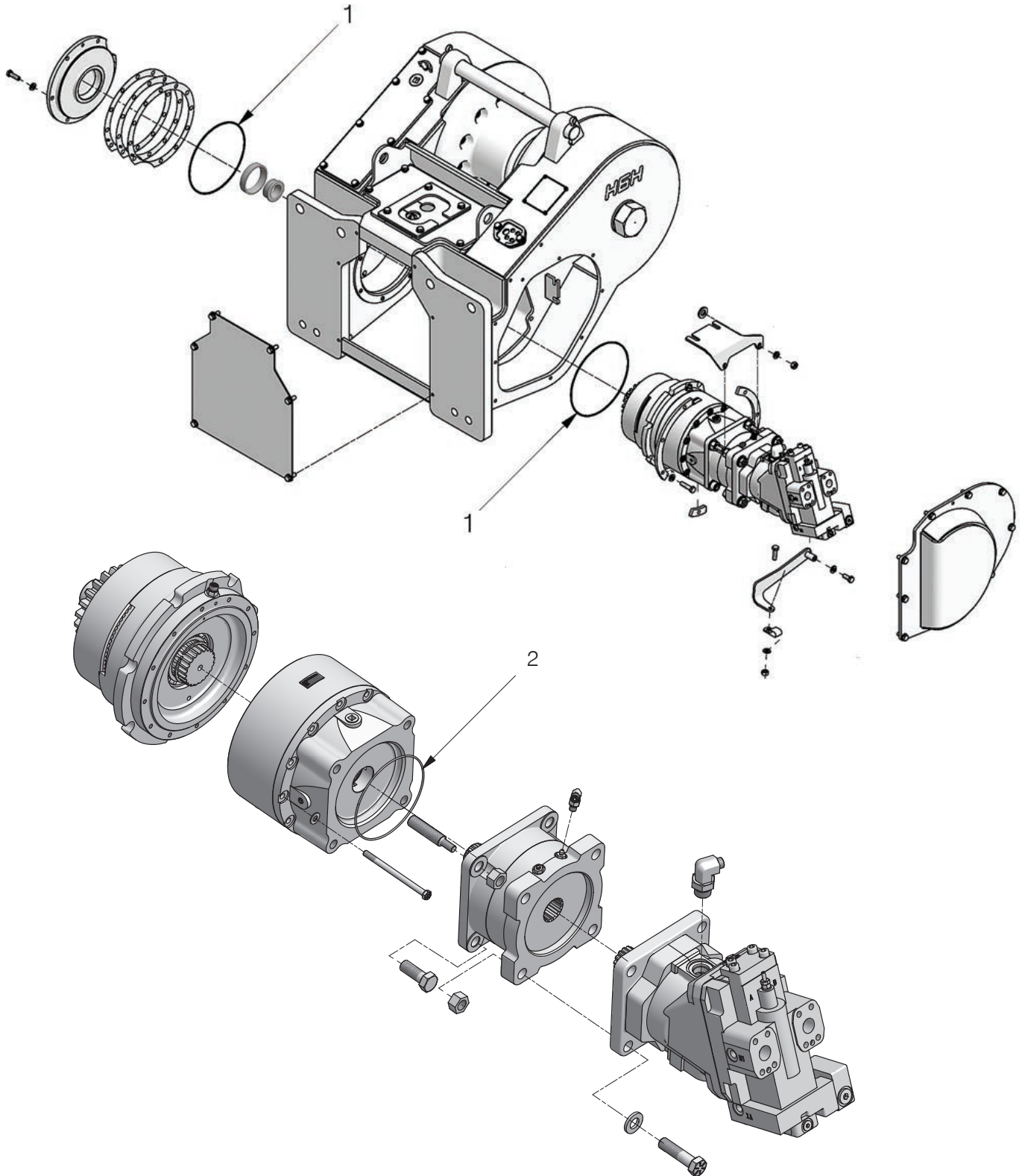
Table 1 Recommended Winch Service Intervals

Service Kits for H6H Winches				
Service Description	Kit Description	Winch Serial Number	Kit Part# for Hi-Performance (H) Winches	Kit Part# for Standard (T) Winches
Filter change	Filter kit	All	Refer to dozer operator and service manuals	
Complete oil change (every 1,000 hours)	N/A	All	Check our website for current operator's and service manuals for appropriate oils	
Clutch and brake overhaul (every 5,000 hours)	Motor, reducer & brake assembly rebuild kit	All	2314659	
Major overhaul (every 10,000 hours)	Intermediate/drum shaft & brake assembly rebuild kit	All	2314660	

Table 2 Routine Maintenance Kits

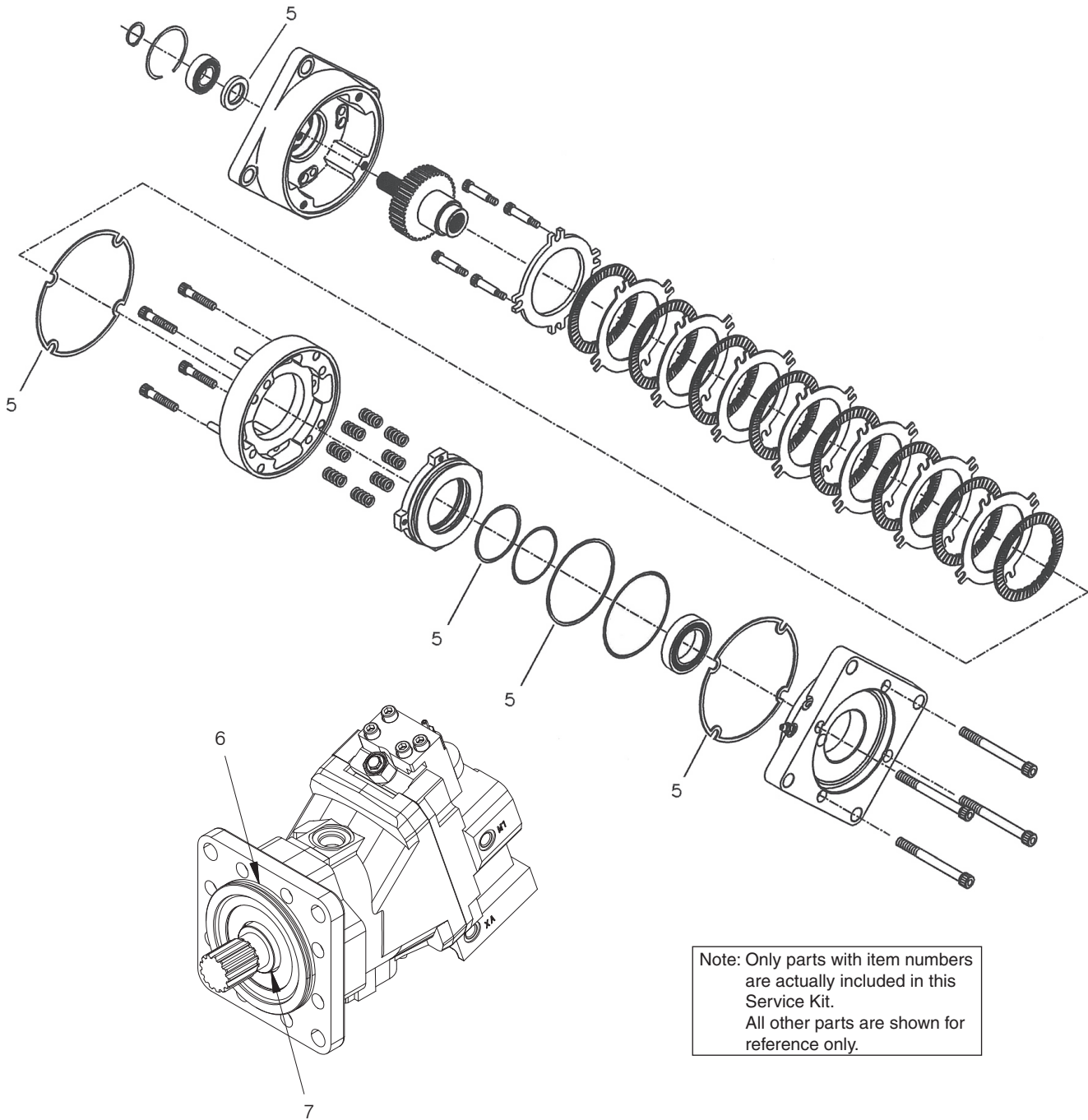
Motor, Reducer & Brake Assembly Rebuild Kit: 2314659

Page 1 of 2



Motor, Reducer & Brake Assembly Rebuild Kit: 2314659

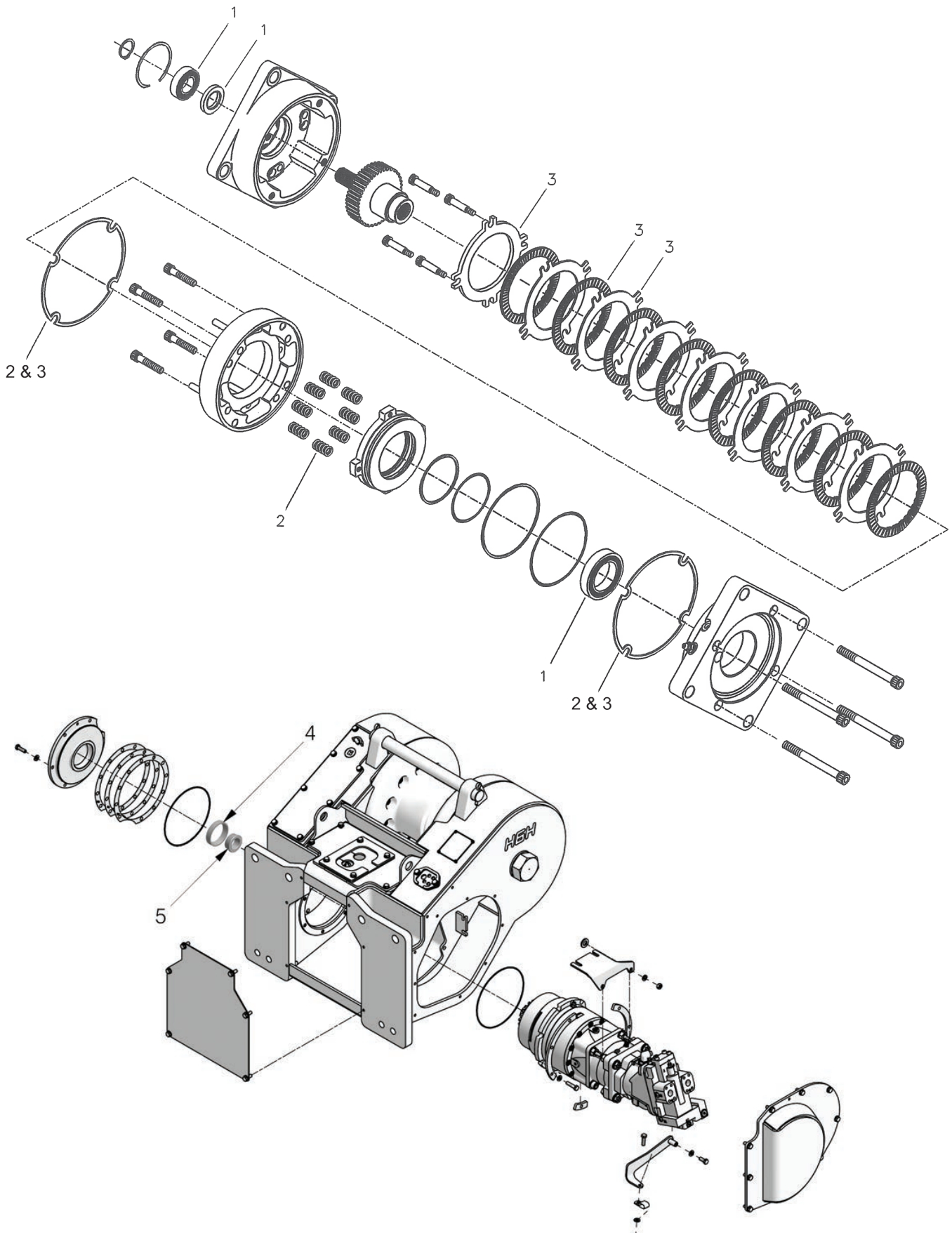
Page 2 of 2



Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2314659		Rebuild Kit, Motor, Reducer & Brake Assy				
1	203564	2	. O-Ring	4	230064W	1	. Adhesive (Not Shown)
2	237349	1	. O-Ring	5	2312302	1	. Kit, O-Ring
3	313022W	1	. Adhesive (Not Shown)	6	2313890	1	. O-Ring
				7	2313891	1	. Kit, Shaft Seal

Intermediate/Drum Shaft & Brake Assembly Rebuild Kit: 2314660

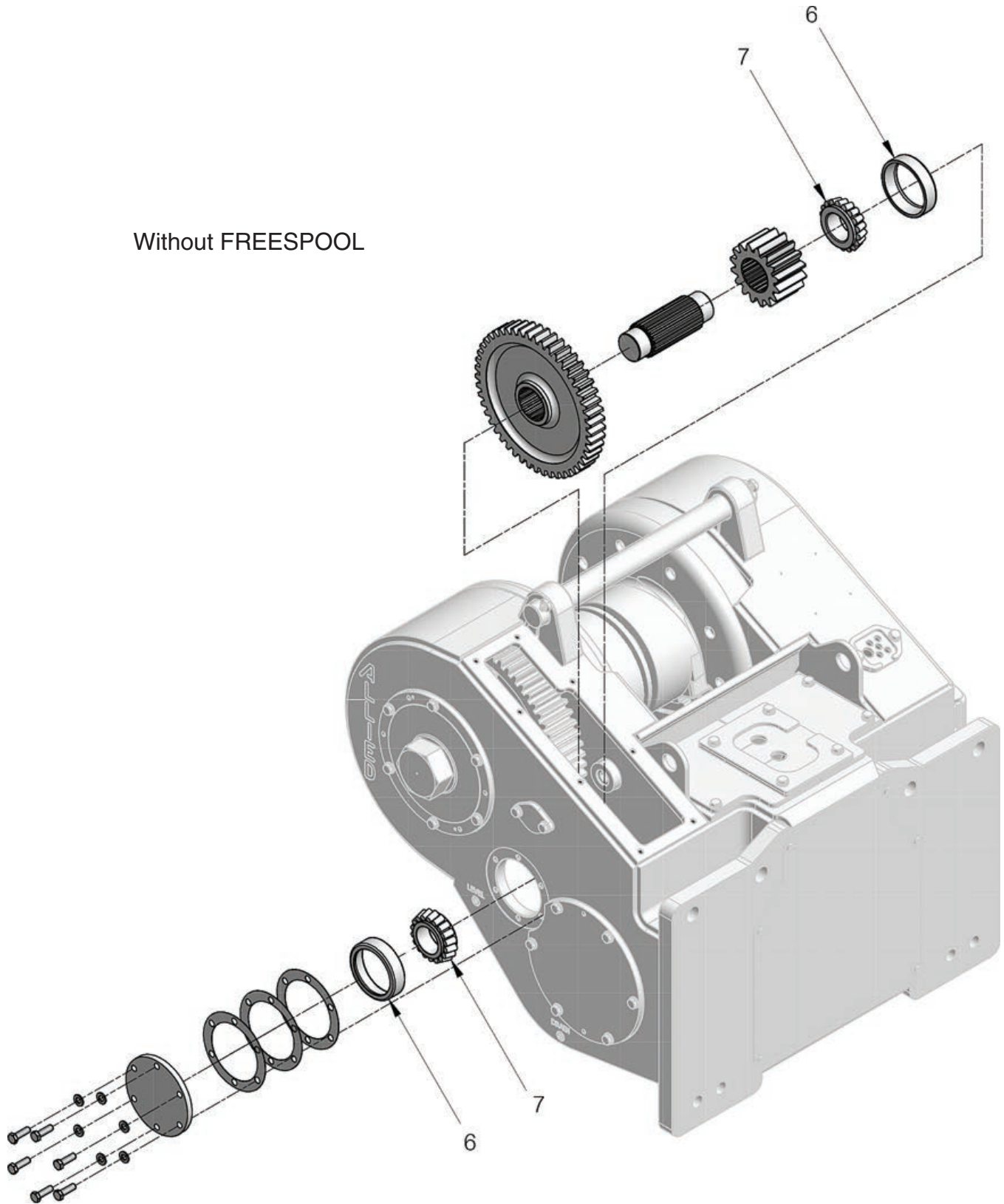
Page 1 of 4



Intermediate/Drum Shaft & Brake Assembly Rebuild Kit: 2314660

Page 2 of 4

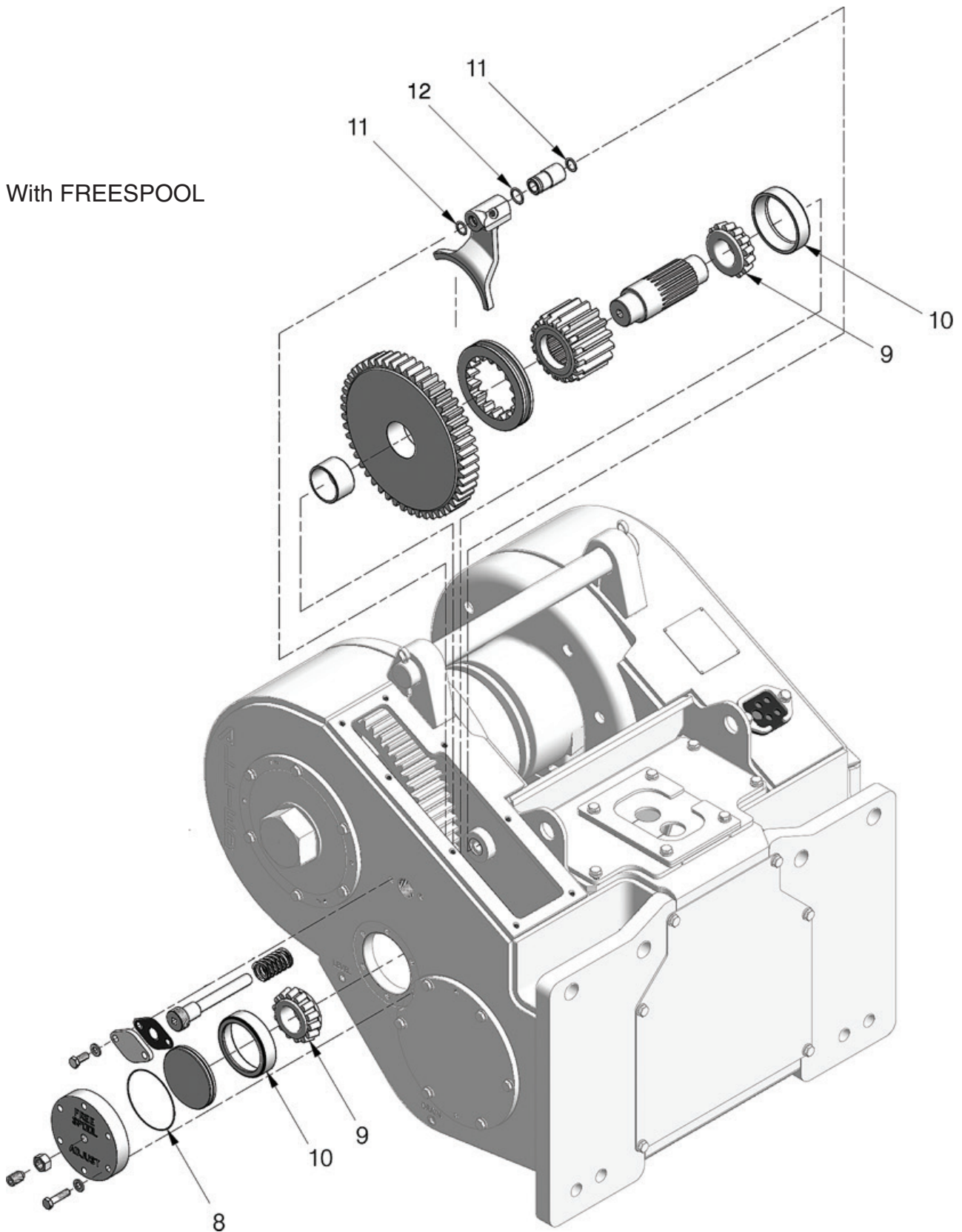
Without FREESPOOL



Intermediate/Drum Shaft & Brake Assembly Rebuild Kit: 2314660

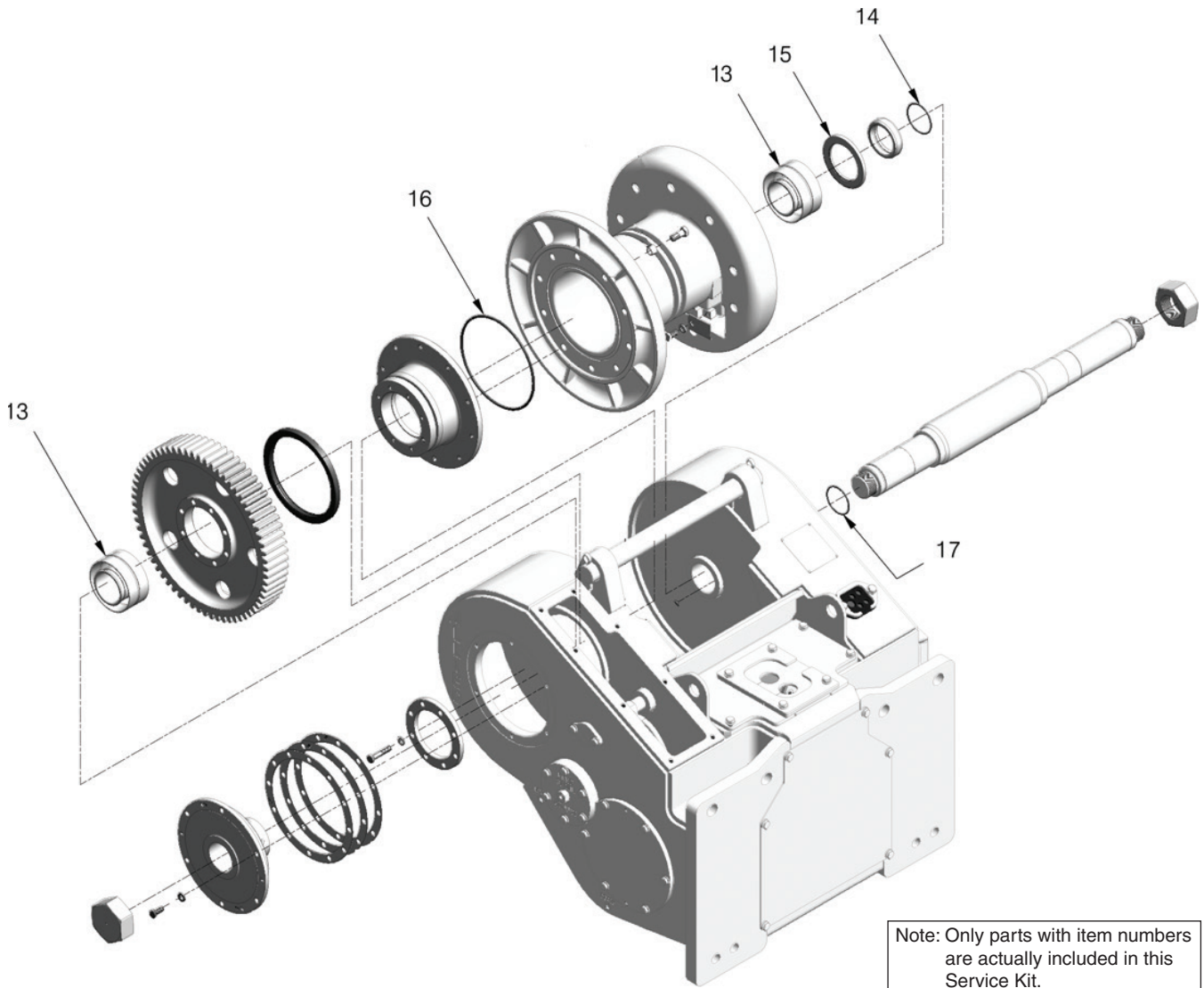
Page 3 of 4

With FREESPOOL



Intermediate/Drum Shaft & Brake Assembly Rebuild Kit: 2314660

Page 4 of 4



Note: Only parts with item numbers are actually included in this Service Kit. All other parts are shown for reference only.

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	2314660		Rebuild Kit, Intermediate/ Drum Shaft & Brake Assy				
1	2312303	1	.Repair Kit, Bearing	10	30059W	2	. Cup, Bearing
2	250850	1	. Repair Kit, Spring	11	15862W	2	. O-Ring
3	250847	1	. Repair Kit, Lining	12	212380	1	. O-Ring
4	2300668W	1	. Cup, Bearing	13	230406W	2	. Bearing, Roller
5	2300669W	1	. Cone, Bearing	14	15881W	1	. O-Ring
6	30059W	2	. Cup, Bearing	15	44547W	1	. Seal, Oil
7	30080W	2	. Cone, Bearing	16	133927W	1	. Ring, Piston Seal
8	159940W	1	. O-Ring	17	90263W	1	. O-Ring
9	2302311W	2	. Cone, Bearing				

Section 6
Recommended Service Parts

H6H Hydraulic Winch Recommended Service Parts

The following pages list some of the service parts and kits that are available for your Allied H6H Winch. Page 90 lists gaskets and seals. Keep these parts in stock at all times for regular maintenance. Order parts from the table based on your winch.

Page 90 also contains a list of wire rope assemblies. Order parts as required and as relevant for your installation.

Page 91 lists kits for 5,000 hour and 10,000 hour scheduled maintenance. Order these kits in preparation for these intervals. Each kit includes all parts listed in the table. Order parts from the table based on your winch.

Page 92 contains a list of spare parts. Order parts or kits as required and as relevant for your installation.

Page 93 contains lists of operator controls components, and hose kits. Order parts or kits as required and as relevant for your installation.

Page 94 contains lists of tool kits and diagnostic tools, which are useful when you install, maintain and service your winches.

Note: Allied Winch parts manuals are available for no charge download at <http://www.alliedsystems.com/pubs/pubs.htm>.

Gaskets & Seals			Order as Required	
Applies to: H6H High Performance Winch mounted on John Deere 750J (E48), 850J (E47); 750/850J & 750/850K (E460)				
Allied P/N	Description	Qty on Winch	See Parts Manual Page	Order Qty
2312045	Gasket, Top Right-Hand	1	Frames/Covers	
151646W	Gasket, Freespool	1	Frames/Covers	
2312008	Seal, Top	1	Frames/Covers	
2312118	Gasket, Top Left-Hand Cover	1	Frames/Covers	
252566	Seal Kit, Directional Valve (P/N 2311592)	1	Control Manifold Assy	
2312111	Seal Kit, Cartridge Valve (P/N 2312073)	2	Control Manifold Assy	
2312112	Seal Kit, Shuttle Valve (P/N 2312074)	1	Control Manifold Assy	
2307235W	Seal Kit, Proportional Spool Cartridge Valve	1	Directional Manifold Assy	
2312114	Seal Kit, Check Valve	3	Directional Manifold Assy	
243815	Seal Kit, Counterbalance Valve (P/N 2307265W, 2312068)	1	Directional Manifold Assy	
259258	Seal Kit, Counterbalance Relief Valve (P/N 2307438W)	2	Relief Valve Assy	

Wire Rope Assemblies			Order as Required	
Applies to: All				
Allied P/N	Description	Length	Will Fill Drum To:	Order Qty
WR6-275L	Wire Rope Assembly, 3/4"	275' (84 M)	2/3 Capacity (Recommended)	
WR6-413L	Wire Rope Assembly, 3/4"	413' (126 M)	Full Capacity	
WR7-198L	Wire Rope Assembly, 7/8"	198' (60 M)	2/3 Capacity (Recommended)	
WR7-297L	Wire Rope Assembly, 7/8"	297' (91 M)	Full Capacity	
WR8-154L	Wire Rope Assembly, 1"	154' (47 M)	2/3 Capacity (Recommended)	
WR8-230L	Wire Rope Assembly, 1"	230' (70 M)	Full Capacity	
YS6-275LWS	Wire Rope Assembly, 3/4"	275' (84 M)	2/3 Capacity (Recommended)	
YS6-413LWS	Wire Rope Assembly, 3/4"	413' (126 M)	Full Capacity	
YS7-198LWS	Wire Rope Assembly, 7/8"	198' (60 M)	2/3 Capacity (Recommended)	
YS7-297LWS	Wire Rope Assembly, 7/8"	297' (91 M)	Full Capacity	
YS8-154LWS	Wire Rope Assembly, 1"	154' (47 M)	2/3 Capacity (Recommended)	
YS8-230LWS	Wire Rope Assembly, 1"	230' (70 M)	Full Capacity	

Motor, Reducer & Brake Assembly Rebuild Kit, P/N: 2314659**Applies to: All****Service Interval: Every 5,000 Hours**

Allied P/N	Description	Qty in Kit	See Parts Manual Page	Order Qty
2314659	Rebuild Kit, Motor, Reducer & Brake Assy			
203564	. O-Ring	2	Motor Shaft Group	
237349	. O-Ring	1	Motor Shaft Assembly	
313022W	. Adhesive	1	Motor Shaft Assembly	
230064W	. Adhesive	1	Motor Shaft Assembly	
2312302	. Kit, O-Ring	1	Brake, Dry Disc	
2313890	. O-Ring	1	Hydraulic Motor	
2313891	. Kit, Shaft Seal	1	Hydraulic Motor	

Intermediate/Drum Shaft, and Brake Assembly Rebuild Kit, P/N: 2314660**Applies to: All****Service Interval: Every 10,000 hours**

Allied P/N	Description	Qty in Kit	See Parts Manual Page	Order Qty
2314660	Rebuild Kit, Intermed./Drum Shaft, & Brake Assy			
2312303	. Repair Kit, Bearing	1	Brake, Dry Disc	
250850	. Repair Kit, Spring	1	Brake, Dry Disc	
250847	. Repair Kit, Lining	1	Brake, Dry Disc	
2300668W	. Cup, Bearing	1	Motor Shaft Group	
2300669W	. Cone, Bearing	1	Motor Shaft Group	
30059W	. Cup, Bearing	1	Shaft, Intermediate Gear	
30080W	. Cone, Bearing	1	Shaft, Intermediate Gear	
159940W	. O-Ring	1	Shaft, Intermediate Gear	
2302311	. Cone, Bearing	2	Shaft, Intermediate Gear	
30059W	. Cup, Bearing	2	Shaft, Intermediate Gear	
15862W	. O-Ring	2	Shaft, Intermediate Gear	
212380	. O-Ring	1	Shaft, Intermediate Gear	
230406W	. Bearing, Roller	2	Shaft, Drum	
15881W	. O-Ring	1	Shaft, Drum	
44547W	. Seal, Oil	1	Shaft, Drum	
133927W	. Ring, Piston Seal	1	Shaft, Drum	
90263W	. O-Ring	1	Shaft, Drum	

Spare Parts				Order as Required	
Applies to: See "Relevant for Installation" Column					
Allied P/N	Description	Qty on Winch	Relevant for Installation	See Parts Manual Page	Order Qty
2315633 *a 2312839 *b	Motor, Hydraulic	1	John Deere 750/850J & 750/850K (H6HH1B/E/3B**E47/E48/E460) (H6HH1D**E465)	Motor Shaft Group	
2311883	Assembly, Reducer	1	John Deere 750/850J & 750/850K (H6HH1B/E**E47/E48/E460/E465)	Motor Shaft Assembly	
2312965	Assembly, Reducer	1	John Deere 750/850J & 750/850K (H6HH3B**E47/E48/E460)	Motor Shaft Assembly	
2312155	Assembly, Brake	1	All	Motor Shaft Assembly	
21420W	Plug, Breather	1	All	Frame/Covers	
2300962W	Cap, Breather	1	All	Frame/Covers	
95959W	Pin, Drawbar	1	All	Frame/Covers	
2303221W	Pin, Retaining	1	All	Frame/Covers	
2312099	Nut, Blind	2	All	Shaft, Drum	
2301783W	Keeper, Ferrule	1	All	Shaft, Drum	
328715W	Disc, Friction	7	All	Clutch Assembly	
283434W	Assembly, Gear	1	All	Shaft, Intermediate Gear	
2570W	Bushing	6	All	Fairlead, 3-Roller	
2570W	Bushing	8	All	Fairlead, 4-Roller	

*a First used with S/N1714

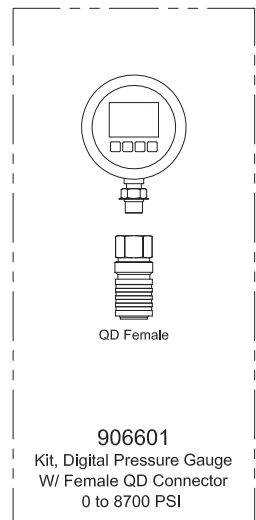
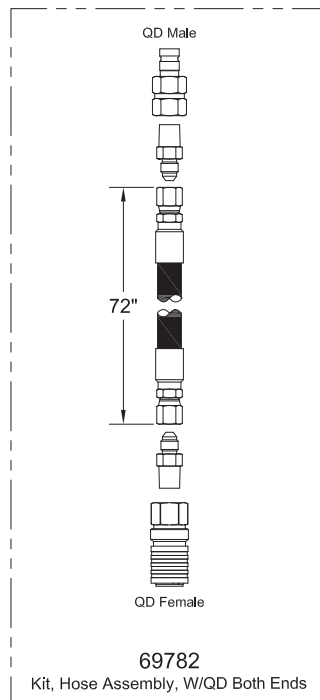
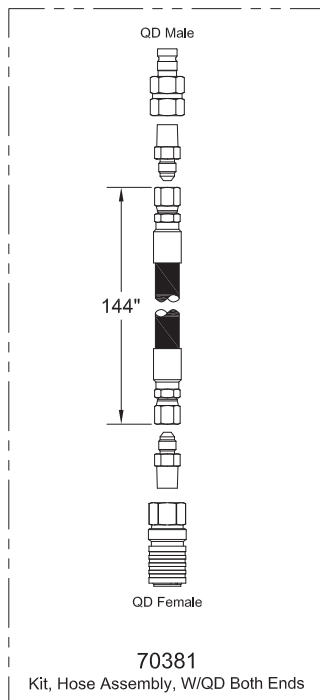
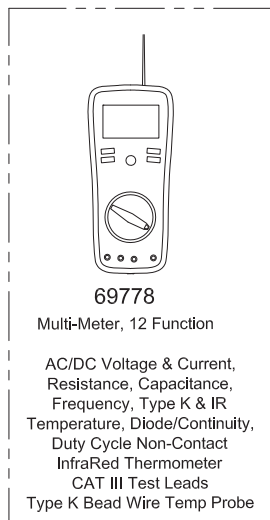
*b Last used with S/N1713

Operator Controls Components			Order as Required
Applies to: All			
Allied P/N	Description	Qty on Winch	Order Qty
2310013	Assembly, Switch (Yellow LED)	1	
2310504	Assembly, Switch (Red LED)	1	
2310506	Assembly, Switch (Red LED), Momentary	1	
2311072	Assembly, Switch (Green LED)	1	

Hose Kits			Order as Required	
Applies to: See "Relevant for Installation" Column				
Allied P/N	Description	Qty on Winch	Relevant for Installation	Order Qty
2314770	Hose Kit, Winch Hydraulics	1	John Deere 750J (E47)/850J (E48), & 750K/850K (E460)	

Tool Kits		
Order these tool kits as required for installation, maintenance and service of your winch(es).		
Allied P/N	Description	Order Qty
588466	Socket Set, 3/8DR 3/8" to 7/8" STD/Deep, 22 PC	
588467	Socket Set, 1/2DR 3/8" to 1-1/4" STD/Deep, 30 PC	
588468	Socket Set, 3/4DR 7/8" to 2-3/8" STD, 29 PC	
588469	Wrench Set, 5/16" to 2-1/2", 31 PC	
588527	Hex Key Sets, .025" to 5/8", 18 PC	
588530	Socket Sets, 3/8DR 6mm-19mm 12 Point	
588529	Socket Sets, 1/2DR 10mm-26mm 12 Point	
588528	Wrench Sets, 7mm-24mm, 18 PC	
588526	Hex Key Sets, .07mm-17mm, 15 PC	

Diagnostic Tools		Order as Required
Order these tools as required for maintenance and service of your winch(es).		
Allied P/N	Description	Order Qty
906601	0 to 8700 PSI Digital Pressure Gauge W/Female QD Connector	
69782	72" Hose Assembly W/QD Connectors Both Ends	
70381	144" Hose Assembly W/QD Connectors Both Ends	
69778	Multi-Meter, 12 Function	



Section 7
Numerical Index

Part No.	Page	Item No.	Part No.	Page	Item No.	Part No.	Page	Item No.
24257	41	1.21	231439	62	8	242230	69	4
24257	43	6.9	231439	63	8	242374	41	2.3
24257	45	2.27	231439	65	8	242374	43	2.3
24257	55	2.12	231440	62	9	242374	45	2.3
203564	21	13	231440	65	9	242596	41	5.19
211564	41	1.9	231465	53	1.23	242596	46	5.19
211564	45	2.19	231465	55	2.23	242597	41	5.2
211564	53	1.22	231465	57	2.23	242597	46	5.2
211564	55	2.22	231465	59	1.23	242598	41	5.21
211564	57	2.22	231465	63	7	242598	46	5.21
211564	59	1.22	231955	53	1.24	242599	41	5.22
212380	35	5	231955	55	2.24	242599	46	5.22
225851	18	1.2	231955	57	2.24	243815	62	
225871	18	1.13	231955	59	1.24	243815	65	
227949	66	7	231955	63	6	243815	66	
229345	66	6	232984	41	3.2	243815	69	
229345	69	7	232984	43	6.11	252566	64	
229347	41	2.5	232984	45	3.2	252566	68	
229347	43	2.5	232984	55	2.3	252566	70	
229347	45	2.5	232984	57	2.3	255578	36	28
229383	41	2.6	234509	60	2.1	257557	61	
229383	43	2.6	234509	67	5	257557	61	5
229383	43	6.1	235387	41	4.2	259258	66	
229383	45	2.6	235387	47	4.2	259258	69	
229383	53	1.28	235387	53	1.27	592255	45	2.14
229383	55	2.28	235387	55	2.27	592255	57	2.5
229383	57	2.28	235387	57	2.27	592255	59	1.5
229383	59	1.28	235387	59	1.27	2303036	35	8
229383	62	6	235387	69	5	2310013	49	2.7
229383	65	6	235387	70	5	2310013	49	2.1
229383	69	6	235387	71	4	2310013	49	3.8
229383	71	5	236855	41	3.3	2310013	50	2.1
229448	41	1.3	236855	45	3.3	2310013	50	3.8
229448	43	6.1	236855	55	2.29	2310013	60	1.21
229448	53	1.5	236855	57	2.29	2310181	66	4
229448	55	2.5	236895	41	3.5	2310181	69	8
229448	59		236895	45	3.5	2310504	49	3.9
231439	28	3	237349	22	1.5	2310504	49	4.7
231439	29	3	237349	23	1.5	2310504	50	3.9
231439	41	1.11	237349	24	1.5	2310504	60	3.1
231439	45	2.21	237349	25	1.5	2310504	67	3
231439	53	1.15	239847	55	2.36	2310726	74	17
231439	55	2.15	242144	41	2.4	2310891	36	18
231439	57	2.15	242144	43	2.4	2310919	53	1.42
231439	59	1.15	242144	45	2.4	2310919	55	2.45

Part No.	Page	Item No.	Part No.	Page	Item No.	Part No.	Page	Item No.
2310919	57	2.45	2311770	68		2312048	15	3.1
2310919	59	1.42	2311771	68	1	2312059	21	11
2310920	53	1.43	2311819	21		2312060	21	12
2310920	55	2.46	2311855	28	1	2312061	21	10
2310920	57	2.46	2311855	29	1	2312064	36	20
2310920	59	1.43	2311856	28	2	2312068	66	2
2310958	17	20	2311856	29	2	2312068	69	2
2311072	60	1.22	2311857	21	1	2312069	41	2.17
2311072	67	4	2311869	28	18	2312073	64	3
2311225	41	5.1	2311869	29	18	2312073	68	3
2311225	46	5.1	2311869	30	7	2312073	70	3
2311251	31	9	2311880	28	10	2312074	64	4
2311353	41	1.14	2311880	29	10	2312074	68	4
2311500	53	1.26	2311883	23	3	2312074	70	4
2311500	55	2.26	2311883	24	3	2312090	18	1.5
2311500	57	2.26	2311883	25	3	2312095	41	2.18
2311500	59	1.26	2311894	35	1	2312099	36	25
2311530	50	1.16	2311903	28	11	2312100	36	26
2311530	60	1.14	2311903	29	11	2312103	61	3
2311540	41	5.3	2311903	31		2312111	64	
2311540	46	5.3	2311904	31	1	2312111	68	
2311592	64	2	2311905	28	21	2312111	70	
2311592	68	2	2311905	29	21	2312112	64	
2311592	70	2	2311906	31	6	2312112	68	
2311655	28	7	2311907	31	2	2312112	70	
2311655	29	7	2311917	21	14	2312114	61	
2311683	28	5	2311918	21	15	2312117	13	13.2
2311683	29	5	2312006	13	13.6	2312117	15	13.2
2311684	28	15	2312006	15	13.6	2312118	13	4.2
2311684	29	15	2312008	13	4.1	2312119	13	13.4
2311684	30	5	2312009	15	22.1	2312119	15	13.4
2311687	28	20	2312018	21	9	2312155	22	1.1
2311687	29	20	2312029	31	3	2312155	23	1.1
2311716	61		2312036	21	7	2312155	24	1.1
2311716	62	1	2312039	28	4	2312155	25	1.1
2311716	65	1	2312039	29	4	2312155	33	
2311717	61	1	2312041	22	1.4	2312168	74	18
2311718	53	1.1	2312041	23	1.4	2312177	49	1.21
2311718	55	2.1	2312041	24	1.4	2312177	60	1.19
2311718	57	2.1	2312041	25	1.4	2312212	41	1.17
2311718	59	1.1	2312045	13	3.2	2312212	45	2.25
2311718	69		2312045	15	3.2	2312212	53	1.32
2311718	71	1	2312046	13	13.5	2312212	55	2.35
2311719	69	1	2312046	15	13.5	2312212	57	2.35
2311770	63	1	2312048	13	3.1	2312212	59	1.32

Part No.	Page	Item No.	Part No.	Page	Item No.	Part No.	Page	Item No.
2312268	41	2.2	2312628	45	2.28	2312912	23	
2312268	43	2.2	2312628	53	1.29	2312927	48	2.4
2312268	45	2.2	2312628	55	2.31	2312927	49	4.6
2312269	35	14	2312628	57	2.31	2312928	23	4
2312280	35	13	2312628	59	1.29	2312928	23	4
2312331	18	1.18	2312760	41	2.1	2312928	24	4
2312339	41	2.9	2312760	62		2312928	25	4
2312339	43	2.9	2312819	41	5.2	2312928	28	
2312339	45	2.9	2312819	46	5.2	2312929	23	4
2312350	41	1.15	2312819	53	1.37	2312929	23	4
2312350	43	6.13	2312819	55	2.4	2312929	24	4
2312350	45	2.23	2312819	57	2.4	2312929	25	4
2312350	53	1.3	2312819	59	1.37	2312929	30	
2312350	55	2.32	2312820	41	5.1	2312940	66	1
2312350	57	2.32	2312820	46	5.1	2312941	66	
2312350	59	1.3	2312820	53	1.38	2312959	61	4
2312351	55	2.33	2312820	55	2.41	2312965	22	3
2312351	57	2.33	2312820	57	2.41	2312966	22	4
2312352	41	3.6	2312820	59	1.38	2312966	29	
2312352	45	3.6	2312836	23		2312967	22	
2312353	45	2.22	2312836	24		2312977	28	21
2312358	41	2.8	2312839	22	2	2312977	29	21
2312358	43	2.8	2312839	23	2	2313072	61	6
2312358	45	2.8	2312839	24	2	2313136	67	1
2312358	53	1.34	2312839	25	2	2313380	13	13.3
2312358	55	2.37	2312840	17	11.1	2313380	15	13.3
2312358	57	2.37	2312842	17	11.2	2313525	60	1.2
2312358	59	1.34	2312844	17	11.3	2313639	45	2.24
2312437	75	17	2312846	17	1.6	2313639	53	1.33
2312437	77	17	2312846	18	1.6	2313639	57	2.36
2312442	28	6	2312847	17	1.9	2313639	59	1.33
2312442	29	6	2312847	18	1.9	2313758	53	1.2
2312486	13	3.14	2312855	48	3.5	2313758	59	1.2
2312486	15	3.14	2312856	48	3.4	2313758	64	
2312486	36	23	2312878	41	1.16	2313759	64	1
2312487	21	5	2312878	43	6.12	2313831	15	22.2
2312487	34	20.6	2312878	59		2313844	53	1.31
2312488	21	3	2312891	30	1	2313844	55	2.34
2312488	35	20	2312892	30	2	2313844	57	2.34
2312580	13	2.3	2312895	48	2.5	2313844	59	1.31
2312580	15	2.3	2312896	49	4.5	2313890	22	
2312580	75	18	2312908	41	2.7	2313890	23	
2312580	76	16	2312908	43	2.7	2313890	24	
2312580	77	18	2312908	45	2.7	2313890	25	
2312580	78	16	2312908	63		2313891	22	

Part No.	Page	Item No.	Part No.	Page	Item No.	Part No.	Page	Item No.
2313891	23		2315555	78	7	141674W	36	1
2313891	24		2315633	23	2	149541W	34	20.8
2313891	25		2315633	24	2	149542W	34	20.9
2313943	70	1	2315633	25	2	149543W	34	20.1
2313944	55	2.2	2315641	53	1.35	15113W	48	2.3
2313944	57	2.2	2315641	55	2.38	15113W	48	3.3
2313944	70		2315641	57	2.38	15113W	49	2.4
2313948	53	1.9	2315641	59	1.35	15113W	49	4.4
2313948	55	2.9	2315725	53	1.39	15127W	48	2.1
2313948	57	2.9	2315725	55	2.42	15127W	48	3.1
2313948	59	1.9	2315725	57	2.42	15127W	49	2.2
2313948	65	10	2315725	59	1.39	15127W	49	4.2
2313948	71	6	2315726	60	1.24	15128W	17	1.2
2313984	64		2315729	60	1.23	151589W	13	3.9
2313984	68		2316108	45	2.1	151589W	15	3.9
2313991	49	4.8	2316108	53	1.3	15158W	36	5
2314097	76	4	2316108	57	2.3	151646W	13	3.1
2314097	78	4	2316108	59	1.3	151646W	15	3.1
2314106	68		2316109	45	2.11	15166W	75	15
2314162	41		2316109	53	1.4	15166W	76	13
2314162	43	2.17	2316109	57	2.4	15166W	77	15
2314162	55	2.3	2316109	59	1.4	15166W	78	13
2314162	59		2316142	23		15176W	41	1.18
2314411	34	21.1	2316142	24		15176W	43	6.7
2314687	41		2316142	25		15176W	45	2.26
2314687	43	2.1	2316144	23		15176W	53	1.8
2314687	45	2.1	2316144	25		15176W	55	2.8
2314687	65		2316156	23		15176W	57	2.8
2314690	41		2316156	23		15176W	59	1.8
2314690	43	2.18	2316162	13	3.6	15178W	41	1.8
2314690	55	2.4	2316162	15	3.6	15178W	45	2.18
2314690	59		2316491	21	7	15178W	53	1.21
2314691	71		129563W	41	5.16	15178W	55	2.21
2314781	67	2	129563W	46	5.16	15178W	57	2.21
2314787	67		129563W	48	1.1	15178W	59	1.21
2315544	76	1.1	129563W	57	2.53	15272W	13	2.4
2315544	78	1.1	129563W	59	1.5	15272W	15	2.4
2315544	78	8.1	133927W	36	10	15272W	75	16
2315545	76	1	137153W	28	16	15272W	76	14
2315545	78	1	137153W	29	16	15272W	77	16
2315546	76	2	137153W	30	3	15272W	78	14
2315546	78	2	137155W	28	17	15290W	13	2.5
2315548	76		137155W	29	17	15290W	15	2.5
2315549	78		137155W	30	4	15315W	13	2.6
2315555	76	7	141671W	36	19	15315W	15	2.6

Part No.	Page	Item No.	Part No.	Page	Item No.	Part No.	Page	Item No.
15319W	13	3.13	221767W	25	1.7	2301732W	77	
15319W	15	3.13	221777W	22	1.9	2301748W	74	
15862W	35	4	221777W	23	1.9	2301749W	74	1
15881W	36	8	221777W	24	1.9	2301783W	36	15
159940W	35	10	221777W	25	1.9	2301907W	74	2
16001W	74	9	221780W	17	1.8	2301910W	74	7
16001W	75	6	221780W	18	1.8	2301919W	74	14
16001W	76	5	222713W	31	10	2301920W	74	13
16001W	77	6	223453W	17	1.5	2301924W	74	19
16001W	78	5	226374W	75	12	2301925W	74	15
16829W	36	16	226374W	76	10	2301961W	76	1.2
172808W	36	7	226374W	77	12	2301961W	76	8.2
172810W	36	24	226374W	78	10	2301961W	78	1.2
173607W	78	15	230064W	17	1.13	2301961W	78	8.2
175646W	36	14	230064W	18	1.11	2302120W	74	11
175647W	36	13	2300668W	21	16	2302311W	35	17
175648W	36	12	2300669W	21	17	2302624W	35	9
177192W	22	1.8	2300783W	17	1.1	2302625W	35	11
177192W	23	1.8	2300783W	18	1.1	2303221W	13	2.2
177192W	24	1.8	2300962W	13	3.12	2303221W	15	2.2
177192W	25	1.8	2300962W	15	3.12	2303992W	28	13
177192W	25	1.8	2301529W	17	1.4	2303992W	29	13
18668W	76	12	2301529W	18	1.4	230406W	36	3
18668W	77	14	2301706W	74	5	230407W	28	19
18668W	78	12	2301706W	74	20	230407W	29	19
18669W	75	14	2301706W	75	4	2304803W	35	15
192241W	30	6	2301706W	76	3	2305096W	35	7
21420W	13	3.11	2301706W	77	4	2305097W	35	2
21420W	15	3.11	2301706W	78	3	2305099W	35	3
220000W	48	2.2	2301718W	75	8	2305130W	21	20
220000W	48	3.2	2301718W	77	8	2305715W	17	11.6
220000W	49	2.3	2301721W	75	11	2305956W	35	12
220000W	49	4.3	2301721W	76	9	2306151W	53	1.4
221336W	74	12	2301721W	77	11	2306151W	55	2.43
221577W	36	4	2301721W	78	9	2306151W	57	2.43
221716W	22	1.3	2301722W	75	3	2306151W	59	1.4
221716W	23	1.3	2301722W	77	3	2306151W	41	5.13
221716W	24	1.3	2301724W	76	8.1	2306151W	46	5.13
221716W	25	1.3	2301726W	75	9	2306152W	53	1.41
221717W	35	16	2301726W	76	8	2306152W	55	2.44
221725W	17	1.3	2301726W	77	9	2306152W	57	2.44
221725W	18	1.3	2301726W	78	8	2306152W	59	1.41
221767W	22	1.7	2301727W	75	1	2307024W	61	2
221767W	23	1.7	2301727W	77	1	2307041W	41	5.5
221767W	24	1.7	2301731W	75		2307041W	46	5.5

Part No.	Page	Item No.	Part No.	Page	Item No.	Part No.	Page	Item No.
2307041W	53	1.36	283434W	35	8	398817W	74	21
2307041W	55	2.39	292653W	60	1.16	398817W	75	7
2307041W	57	2.39	292653W	50	1.18	398817W	76	6
2307041W	59	1.36	292656W	21	8	398817W	77	7
2307121W	50	1.11	293628W	31	8	398817W	78	6
2307122W	50	1.12	293645W	13	3.15	44547W	36	9
2307235W	61		293645W	13	13.1	53559W	36	2
2307238W	41	5.12	293645W	15	3.15	86585W	28	8
2307238W	46	5.12	293645W	15	13.1	86585W	29	8
2307239W	41	5.11	293645W	21	6	87287W	28	9
2307239W	46	5.11	293646W	17	11.4	87287W	29	9
2307240W	41	5.9	293647W	21	19	90263W	36	11
2307240W	46	5.9	296161W	50	1.17	93878W	75	13
2307265W	62	2	296417W	60	1.17	93878W	76	11
2307265W	65	2	296417W	50	1.19	93878W	77	13
2307434W	30	8	296420W	31	7	93878W	78	11
2307438W	66	3	296420W	41	1.2	95959W	13	2.1
2307438W	69	3	296420W	43	6.5	95959W	15	2.1
2307625W	41	1.4	296420W	45	2.13	95972W	34	20.1
2307625W	41	3.7	296420W	53	1.7	95973W	34	20.2
2307625W	43	6.2	296420W	55	2.7	95977W	36	21
2307625W	45	2.15	296420W	57	2.7	95978W	36	6
2307625W	45	3.7	296420W	59	1.7	96024W	34	21.1
2307625W	53	1.13	296422W	13	3.16	R11601	41	5.4
2307625W	55	2.13	296422W	13	13.8	R11601	46	5.4
2307625W	57	2.13	296422W	15	3.16	R12577880	41	5.14
2307625W	59	1.13	296422W	15	13.8	R12577880	46	5.14
2307625W	63	2	296422W	17	11.5	R12577880	57	2.51
2307924W	49	2.8	296422W	21	4	R12577880	59	1.48
239147W	28	12	296422W	34	20.7	R12577882	41	5.15
239147W	29	12	296422W	35	21	R12577882	46	5.15
2570W	75	2	296422W	36	22	R13470	57	2.52
2570W	75	10	30059W	34	20.4	R13470	59	1.49
2570W	76	1.3	30059W	35	18	R13801826	22	1.6
2570W	76	8.3	30080W	34	20.5	R13801826	23	1.6
2570W	77	2	318702W	17	1.14	R13801826	23	1.6
2570W	77	10	318702W	18	1.12	R13801826	23	1.6
2570W	78	1.3	328715W	31	4	R13801826	23	1.6
2570W	78	8.3	331767W	74	4	R13801826	24	1.6
261542W	31	5	33394W	75	5	R13801826	24	1.6
280262W	34	20.3	33394W	77	5	R13801826	25	1.6
2817W	74	16	35135W	74	3	R13801826	25	1.6
2821W	74	10	35135W	74	8	R13807642	43	6.8
283432W	35	8A	398817W	74	6	R13808536	60	1.15

Part No.	Page	Item No.	Part No.	Page	Item No.	Part No.	Page	Item No.
R13811617	28	14	R833251	57	2.18	R834201	59	1.44
R13811617	29	14	R833251	59	1.18	R834203	41	5.7
R14040	53	1.14	R833251	62	3	R834203	46	5.7
R14040	55	2.14	R833251	63	5	R834203	53	1.45
R14040	57	2.14	R833251	65	3	R834203	55	2.48
R14040	59	1.14	R833253	41	1.5	R834203	57	2.48
R14040	63	4	R833253	43	6.3	R834203	59	1.45
R833103	41	1.1	R833253	45	2.16	R834205	41	5.8
R833103	43	6.6	R833253	53	1.19	R834205	46	5.8
R833103	45	2.2	R833253	55	2.19	R834205	53	1.46
R833103	53	1.16	R833253	57	2.19	R834205	55	2.49
R833103	55	2.16	R833253	59	1.19	R834205	57	2.49
R833103	57	2.16	R833260	22	5	R834205	59	1.46
R833103	59	1.16	R833260	23	5	WR6-275L	79	
R833104	53	1.17	R833260	24	5	WR6-413L	79	
R833104	55	2.17	R833260	45	2.29	WR7-198L	79	
R833104	57	2.17	R833260	57	2.5	WR7-297L	79	
R833104	59	1.17	R833260	59	1.47	WR8-154L	79	
R833133	53	1.1	R833351	41	3.8	WR8-230L	79	
R833133	55	2.1	R833351	45	3.8	Y09C-M1025	41	1.1
R833133	57	2.1	R833400	41	3.4	Y09C-M1025	43	6.4
R833133	59	1.1	R833400	41	4.1	Y09C-M1025	45	2.12
R833133	62	7	R833400	45	3.4	Y09C-M1025	53	1.6
R833133	65	7	R833400	47	4.1	Y09C-M1025	55	2.6
R833133	71	3	R833400	53	1.25	Y09C-M1025	57	2.6
R833200	62	5	R833400	55	2.25	Y09C-M1025	59	1.6
R833200	65	5	R833400	57	2.25	Y17C-1232	22	1.2
R833218	53	1.11	R833400	59	1.25	Y17C-1232	23	1.2
R833218	55	2.11	R833400	63	3	Y17C-1232	24	1.2
R833218	57	2.11	R834100	41	1.7	Y17C-1232	25	1.2
R833218	59	1.11	R834100	45	2.17	Y17C-1664	17	1.7
R833218	62	4	R834100	53	1.2	Y17C-1664	18	1.7
R833218	65	4	R834100	55	2.2	Y433070.45	36	27
R833218	71	2	R834100	57	2.2	YS6-275LWS	79	
R833251	22	1.1	R834100	59	1.2	YS6-413LWS	79	
R833251	23	1.1	R834201	41	5.6	YS7-198LWS	79	
R833251	24	1.1	R834201	46	5.6	YS7-297LWS	79	
R833251	25	1.1	R834201	53	1.44	YS8-154LWS	79	
R833251	53	1.18	R834201	55	2.47	YS8-230LWS	79	
R833251	55	2.18	R834201	57	2.47	R834201	53	2.47

Part No.	Page	Item No.	Part No.	Page	Item No.	Part No.	Page	Item No.
R834201	55	1.44						
R834203	39	5.7						
R834203	43	5.7						
R834203	49	1.45						
R834203	51	2.48						
R834203	53	2.48						
R834203	55	1.45						
R834205	39	5.8						
R834205	43	5.8						
R834205	49	1.46						
R834205	51	2.49						
R834205	53	2.49						
R834205	55	1.46						
WR6-275L	75							
WR6-413L	75							
WR7-198L	75							
WR7-297L	75							
WR8-154L	75							
WR8-230L	75							
Y09C-M1025	39	1.1						
Y09C-M1025	41	6.4						
Y09C-M1025	43	2.12						
Y09C-M1025	49	1.6						
Y09C-M1025	51	2.6						
Y09C-M1025	53	2.6						
Y09C-M1025	55	1.6						
Y17C-1232	22	1.2						
Y17C-1232	23	1.2						
Y17C-1232	24	1.2						
Y17C-1232	25	1.2						
Y17C-1664	17	1.7						
Y17C-1664	18	1.7						
Y433070.45	34	27						
YS6-275LWS	75							
YS6-413LWS	75							
YS7-198LWS	75							
YS7-297LWS	75							
YS8-154LWS	75							
YS8-230LWS	75							



599039W-JOHNDERE 12/2018 Printed in U.S.A.
To find a dealer in your area,
Call: (503) 625-2560,
Fax: (503) 625-7269, or
Email: marketing@alliedsystems.com, or
Visit our website: <http://www.alliedsystems.com>

599039W-JOHNDERE 3/2019 Printed in U.S.A.

