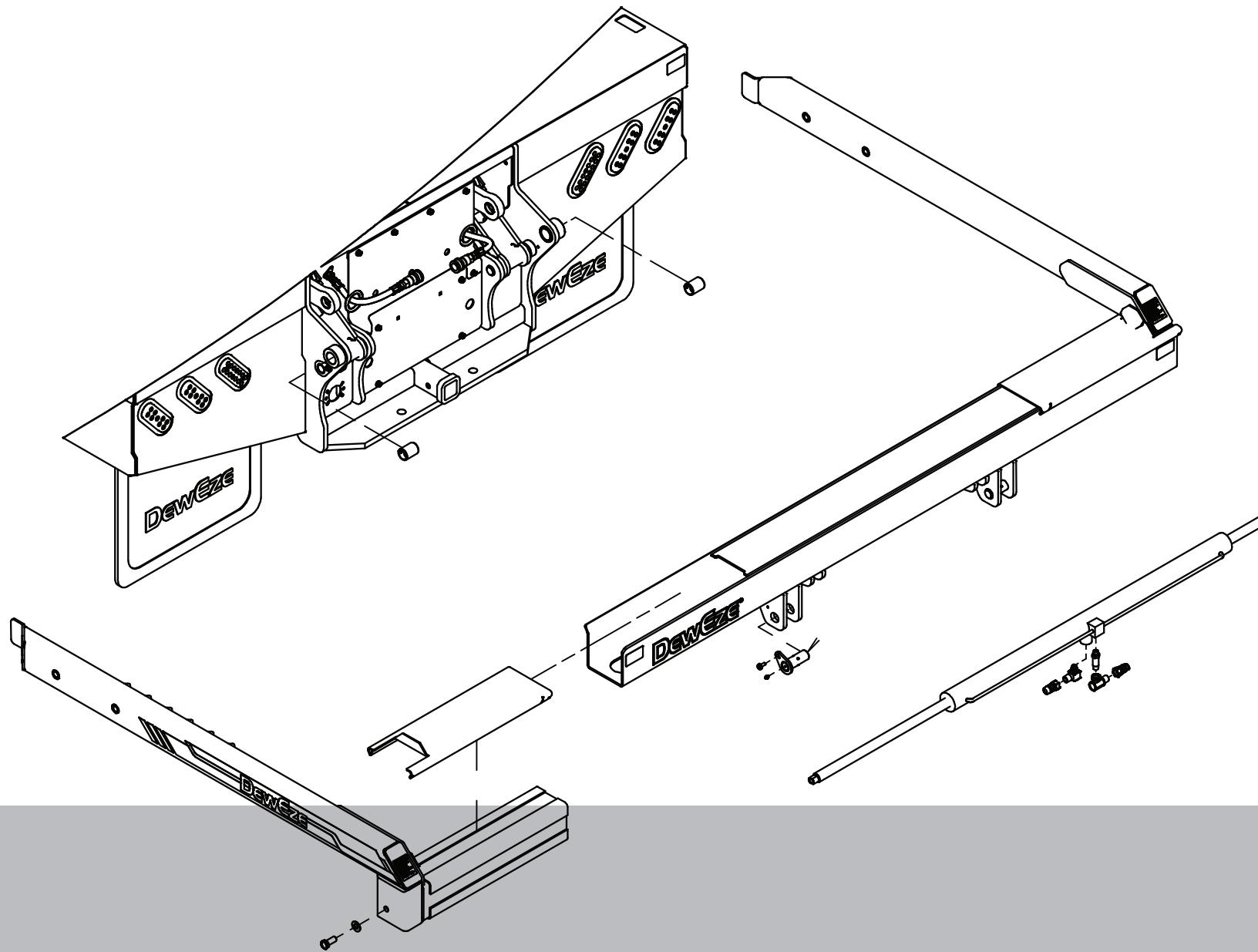


RT FLATBED



DewEZE®

DewEze

RT FLATBED

Thank you for purchasing a DewEze Flatbed.

TO THE OWNER OR OPERATOR:

As with all Harper products, the 600 and 700 Series Flatbeds have been thoroughly tested and built to provide a sturdy, dependable product. The Flatbed is equipped with live hydraulics, which allows it to be used for a wide range of lifting and hauling tasks. This manual is written as an aid to operating and maintaining the DewEze Flatbed. Read and understand the manual thoroughly before operation to avoid damage to the unit or injury to the operator or bystanders.

A Flatbed can present hazards to an operator who follows unsafe procedures in either the operation or maintenance of the unit. Therefore, **SAFETY WARNINGS** are present at certain locations in the text. Harper Industries is not responsible for accidents or injuries that result from the misuse or lack of maintenance of the Flatbed.

SYMBOL:



SAFETY WARNING!



MEANING: Failure to understand and obey this warning may result in injury to you or others. Whenever this symbol is used, please pay very close attention to the information presented, and make sure you fully understand. If you do not, contact your dealer or Harper Industries for clarification.



SAFETY WARNING!



ALL SHIELDS AND GUARDS MUST BE IN PLACE FOR PROPER AND SAFE OPERATION OF THIS EQUIPMENT. WHERE THEY ARE SHOWN REMOVED IN THIS MANUAL, IT IS FOR PURPOSES OF ILLUSTRATION AND INSTRUCTION ONLY. DO NOT OPERATE THIS EQUIPMENT UNLESS ALL SHIELDS AND GUARDS ARE IN PLACE.

||||HARPER[®]INDUSTRIES, INC.

151 E. HWY. 160 Harper, KS 67058

(620) 896-7381 • Fax (620) 896-7129

Toll Free 800-835-1042

Email info@deweze.com

Website www.deweze.com

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Statement of Warranty

Harper Industries, Inc. (HII) warrants to each purchaser of a new DewEze Flatbed from an authorized dealer or representative, that such equipment is free of manufacturer's defects in workmanship and materials which appear while in normal service for a period of TWO YEARS commencing with delivery to the original user. The Flatbed hydraulic and electrical systems are warranted for a period of ONE YEAR.

The obligation of HII under this warranty is expressly limited, at our option, to replacement or repair at a service facility designated by Harper Industries or at the manufacturing plant in Harper, KS. A part will be replaced after inspection discloses it to have been defective. This warranty does not apply to defects caused by damage or unreasonable use (including failure to provide reasonable and necessary maintenance, or by performing functions without genuine DewEze Flatbed accessories) while in the possession of the consumer.

Warranty is limited to parts, labor and ground freight delivery of replacement parts. Labor for repair to hydraulic and electrical power systems from HII installed with bed purchase/installation is covered under this warranty. HII shall not be liable for the consequential damages of any kind, including but not limited to consequential labor costs or transportation charges in connection with replacement or repair of defective parts.

This warranty does not apply to parts subjected to misuse, abuse, alteration, improper or inadequate maintenance, or normal wear.

Harper Industries makes no warranty with respect to trade accessories. They are subject to the warranties of their respective manufacturers.

ANY IMPLIED OR STATUTORY WARRANTIES, INCLUDING ANY WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. HII makes no other express warranty, nor is anyone authorized to make any on behalf of HII.

For further information please contact your nearest DewEze Flatbed dealer.

RECORDS

Date of Purchase _____ / _____ / _____

Dealer's Name _____

Dealer's Phone _____

Serial Number Bed _____

Serial Number Pump _____

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Specifications

Model Specifications

MODEL	676	684	688	776	784	788
WIDTH	7'1"	7'9"	7'9"	8'	8'	8'
LENGTH	8'11"	9'8"	11'10"	8'11"	9'8"	11'10"
WEIGHT	2175#	2420#	2670#	2240#	2420#	2670#

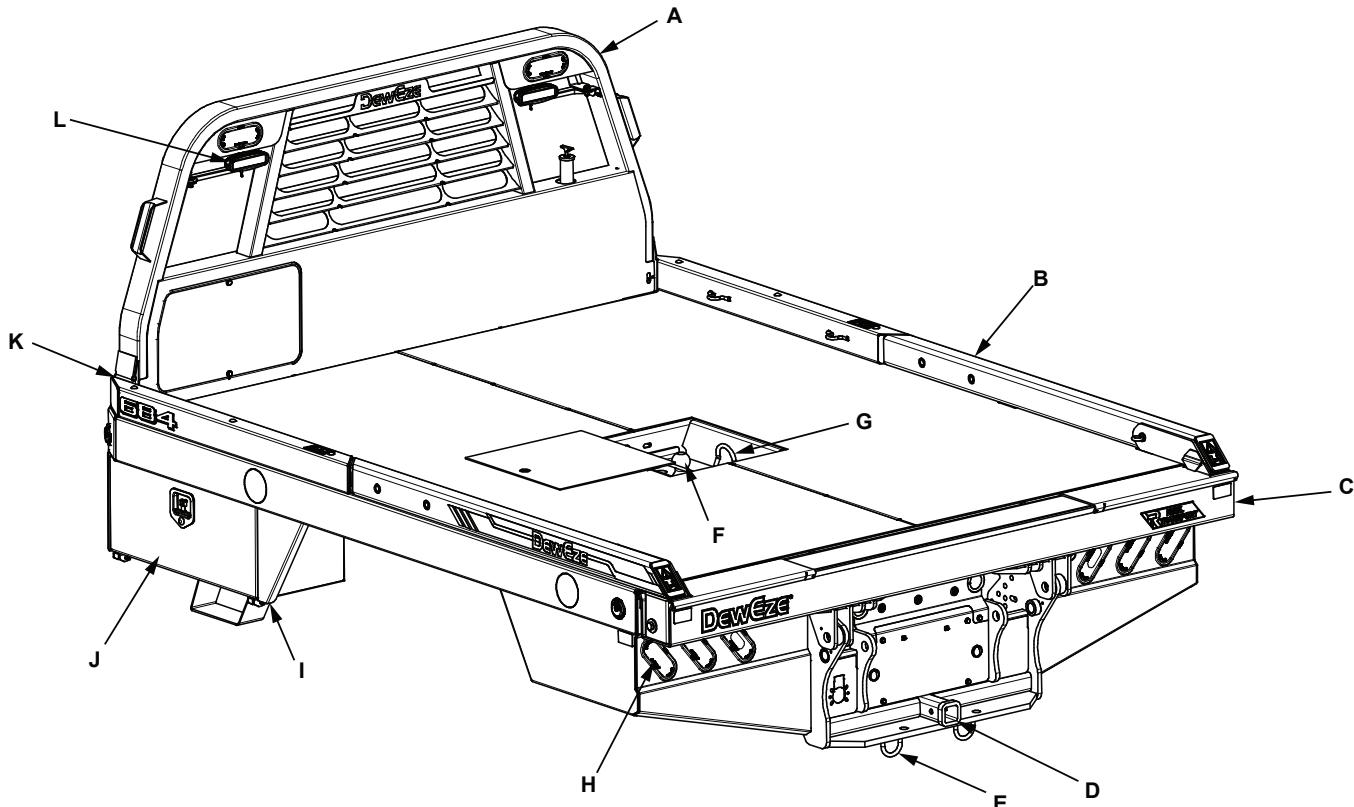
Hydraulic System Specification

HYDRAULIC SYSTEM	Powered by engine driven pump or self-contained battery-powered electric/hydraulic unit.
SYSTEM PRESSURE	2750 psi
OIL RESERVOIR CAPACITY	10 gallons
OIL FILTER	DewEze 720043, WIX 51551 (10 micron)
CYLINDER, LIFT (2)	3.50" x 16.62"
CYLINDER, SQUEEZE	2.00" x 34.00" (676) 2.00" x 35.75" (684 & 688) 2.00" x 39.25" (776, 784, & 788)

Protective Coating Specifications

PAINT	Heat-treated, polyurethane based paint
GATORHYDE	Long-lasting, textured polyurea surface

Feature Identification



A. Headache Rack – protects the rear pickup window. The hydraulic oil tank and valve are located in the headache rack.

B. Hugger Arms – squeeze together to grip the reel and lift it onto the flatbed. When the arms are stored they serve as side rails for the flatbed.

C. Crosstube – houses the squeeze cylinder and guides the hugger arms.

D. Hitch Plate – allows for a 2" square receiver hitch and has holes for hitch pins.

E. Safety Chain Loops – always use safety chains when towing.

F. Gooseneck Hitch – located under a cover plate in the middle of the bed.

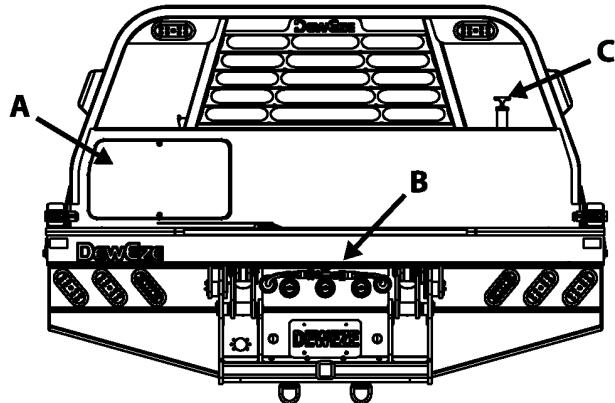
G. Safety Chain Loops – always use safety chains when towing.

H. Lights – LED lighting for stop-tail-turn has long life and low current draw.

I & J. Skirts & Toolboxes (optional) – mount under front of bed on both sides. If equipped, the Electric/Hydraulic Power unit mounts inside the right toolbox.

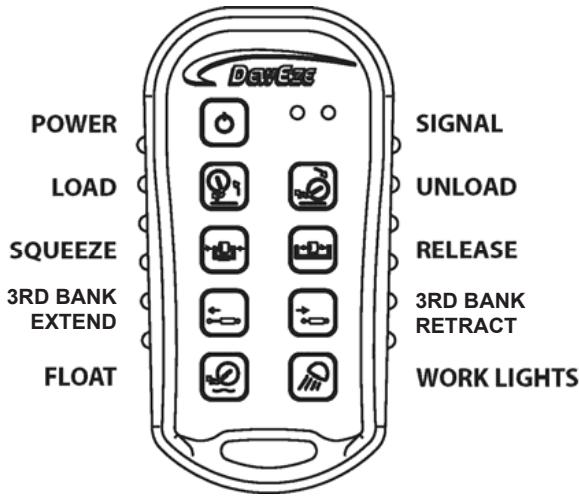
K. Dummy Arms – serve as side rail along with hugger arms.

L. Swing Lights (optional) – lights can be pivoted out wider than the truck when working at night.



- A. Valve Compartment** – houses the hydraulic control valve and hydraulic oil filter.
- B. Pioneer Couplers** – connect hydraulic hoses to the squeeze cylinder – may also be used to connect to implements/tools.
- C. Hydraulic Oil Fill & Dipstick** – check hydraulic oil level with dipstick – fill here when necessary.

Remote Control Transmitter – operates all functions of the flatbed – uses two AA batteries.



SAFETY WARNING!

Do not stand under the hugger arms when operating the reel transport unit, even when arms are empty.

Safety Guidelines

Operator safety is of upmost concern when designing and developing a new piece of equipment. Designers and manufacturers build in as many safety features as possible. However, every year many accidents occur which could have been avoided by a few seconds of thought and a more careful approach to handling equipment. Most accidents can be avoided by observing the precautions in this section. To avoid personal injury, study the safety warnings and cautions listed in this manual and follow them.

General Equipment Safety

- This equipment can be dangerous to children and persons unfamiliar with its operation. The operator should be a responsible adult familiar with this machinery and trained for this unit.
- Do not attempt to operate equipment under the influence of drugs or alcohol.
- Do not allow persons to operate or assemble this unit until they have read this manual and have developed a thorough understanding of the safety precautions and how the unit works.
- Review the safety warnings and cautions with all users annually.

If you have any questions not answered in this manual or require additional copies, contact your dealer or Harper Industries.

Flatbed Operation Safety

- Replace any CAUTION, WARNING, DANGER or instruction decal that is not readable or is missing.
- Make sure all safety pins are in place and flatbed mounting bolts are secure to the truck frame.
- Make sure hinges, joints, and sliding parts are well greased, especially during off season to prevent rusting and binding.

- Check with truck dealer for any load limits, additional suspension or tire requirements. **The flatbed's lifting capability may exceed the truck's load capacity in some instances.**

Hydraulic Safety

- Do not operate the hydraulic system with the hood open.
- Do not activate the electric clutch unless the truck engine is at idle. Operating the clutch at road speeds can damage the hydraulic system.

⚠ SAFETY WARNING! ⚠

Hydraulic system operates under high pressure and escaping fluid can penetrate the skin.

Safety Symbols



- Do not open or remove safety shields while vehicle/unit is running.



- Stay a safe distance from machine when in use.

Operating Instructions

IMPORTANT: In cold weather, allow the engine to idle for 5-10 minutes with the pump on before operating the arms.

This will allow the oil to warm up and flow more freely. Neglecting to do this may cause hydraulic pump failure.

Your DewEze Reel Transport bed is operated by hydraulics that are powered from a belt driven hydraulic pump (CPK), a transmission mounted pump (PTO), or an electric over hydraulic system. DewEze is the manufacturer/provider of the CPK or E/H system. For operation use of a PTO, please refer to your PTO provider.

For E/H systems information see page 11 under DewEze E/H Option.

Getting Started

The hydraulic flow is made available via the upfitter switches located in the cab of the truck. One switch is to provide power to the valve, the other switch is used to turn on the pump. Both switches must be in the ON position for any bed functions to be performed. The operator can control the functions of the arms (load/unload, and arms squeeze in and out) via the switches located on the front side of the headache rack, located on the driver's side. These functions can also be controlled via a wireless remote.

Arbor and Riser Attachment

Beginning Operation

- Place 12" cradles on hugger arms where desired and secure with 4" pins.
- Slide arbor into reel and secure with one of the L-shaped pins.
- Turn pump switch on the dash to the "ON" position. (Red light will indicate the pump is on).

Loading

- Back the truck towards the reel with the arms spread apart.
- Position the cradles over the shaft and lower until they are fully seated.
- Secure the shaft in the cradles with the L-shaped pins.
- Lift the reel onto the truck.

Unloading

- To unload, do the reverse of the loading operation.

Pay-out

- Position the truck on as level terrain as possible and parallel to the direction the cable will be pulled, then set the parking brake.
- Pick the reel up a few inches off the flatbed so it will turn freely.
- The pump may be turned off during the unrolling operation.
- Take precautions necessary to ensure that the reel unrolls smoothly.
- Begin pay-out.

Reel Power Attachment

In order to use the hydraulic winder attachment, a third bank valve must be installed.

For best performance, the Deweze CPK system is recommended. The Reel Power attachment requires a hydraulic system capable of providing 4-5 gpm. Reduced flow will result in diminished speed. **Do not exceed 8 gpm.**

- The hydraulic winder attachment is stored in the passenger side, under-body toolbox. This attachment should be placed in the rear stake pocket of the bed. Note: you must raise the arms off the bed in order to access the stake pocket. **DO NOT DRIVE ON PUBLIC ROADS WITH WINDER VALVE ASSEMBLY IN THE STAKE POCKET.**
- Clean hydraulic fittings prior to connecting the valve to the hydraulic motor and the couplers on the rear of the body. Tailboard couplers are a push/pull operation, motor couplers slide the sleeve forward or backward to insert or remove.

Note: It may be necessary to reverse the tailboard couplers if the flow is in the wrong direction.

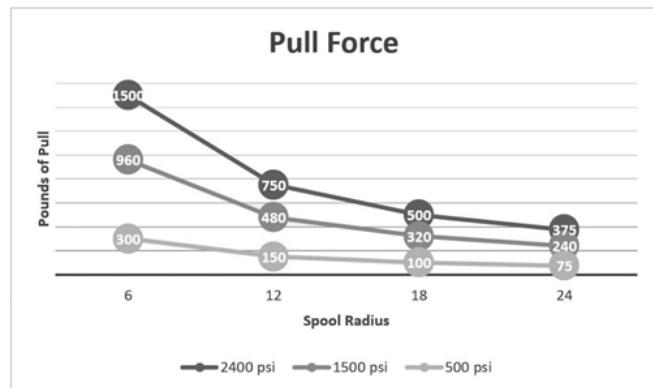
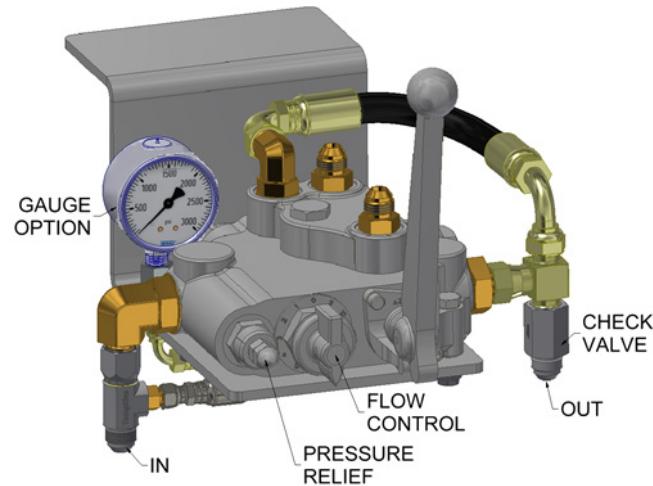
- To operate the winder, the third bank latching switch must be turned on, this is located on the front side of the headache rack on the driver's side. This provides oil flow to the winder valve.

Note: The load/unload and squeeze/un-squeeze functions will not operate when third bank latching function is ON.

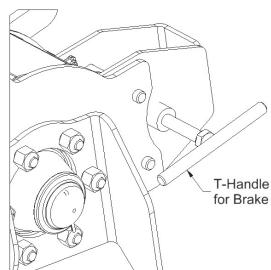
The hydraulic winder valve is a manual valve that can be used to pay out or take up. There is also a flow control that will allow the operator to adjust the speed of rotation based upon the situation.

Note: always start out with the flow control in the lowest setting.

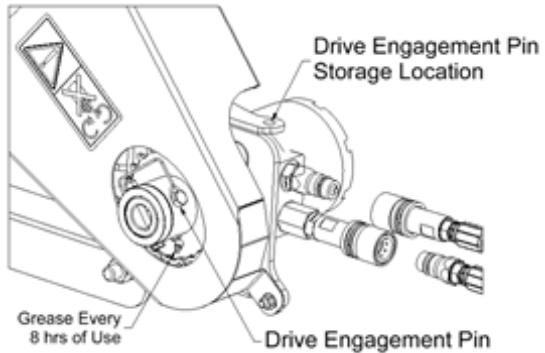
- There is an optional pressure gauge that can be installed to monitor pressure applied to the material being pulled.



Your winder attachment comes with a brake system that can be manually adjusted to reduce the amount of backlash.



- For take up the drive engagement pin must be installed.
- If you are free spooling material off the reel, the drive engagement pin that couples the hydraulic motor to the reel, must be removed. This will allow the reel to spin freely, not fighting the hydraulics of the system.
- The drive engagement pin should be stored when not in use or during transport..

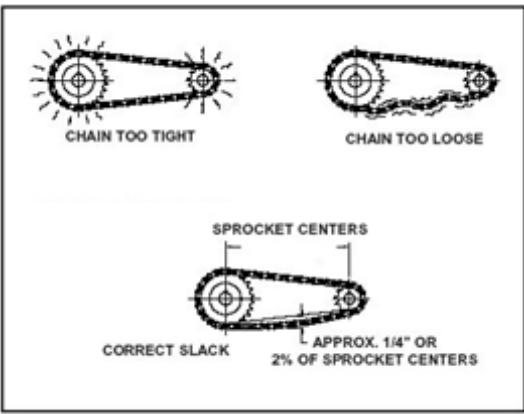


When the take up/pay out operation is complete, the pressure must be relieved from the valve before disconnecting.

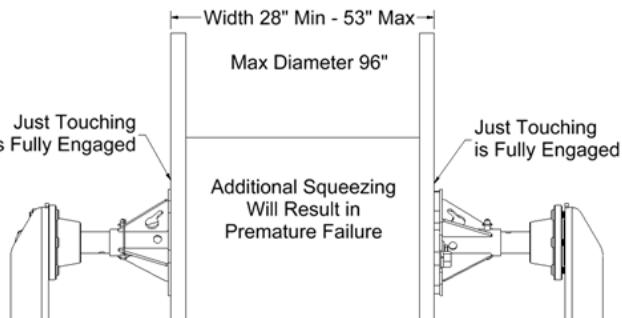
To relieve pressure, follow this procedure:

- Turn off the upfitter switch for the pump, leave the upfitter switch that provides power to the valve ON.
- Move the take up valve both directions to relieve any pressure. Turn off the third bank and operate the load/unload and squeeze/unsqueeze functions to remove all system pressure.
- At this point in time the hydraulic lines can be disconnected from the hydraulic motor and the tailboard.

NOTE: Inspect drive chain prior to operation. Please refer to picture to ensure proper tension.



NOTE: When engaging spindles with the reels, adjust pins on anti-spin bar to align with drive holes on spool, **do not over squeeze**. Only penetrate the reels to the point that you are resting against the flat face of the spindle. Over squeezing the reel will result in premature arm failure.



NOTE: Do not lift reels that will exceed the vehicles GVRW.

Storing the Arms

- Close the arms partially and lay them on the flatbed.
- Open arms until they are flush with the side of the bed. They now function with the dummy arms as the bed's side rails.

Turn System Off

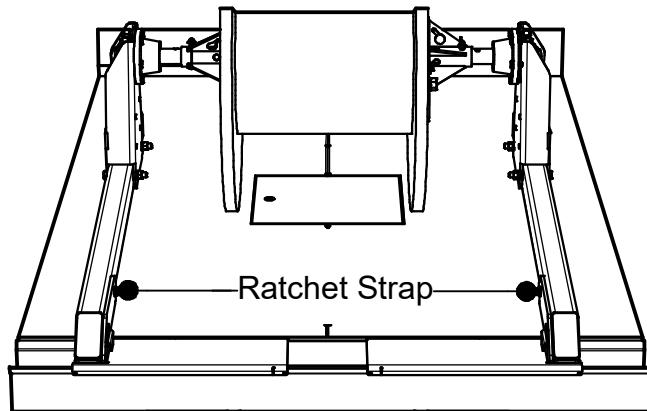
- Turn the pump off when it is not in use.

CAUTION: Operating the truck at road speeds, or above 2,000 RPM, with the pump engaged, may cause hydraulic pump failure.

Transport

! SAFETY WARNING! !

When hauling a reel, make sure it is resting on the flatbed and is tightly secured. Carrying a reel behind the bed, places excessive stress on the lift cylinder, linkage, pins and shaft. Dislocation of a reel could result in serious injury or death to passengers of vehicles following behind.



When transporting reels on public roads, it is recommended to secure the arms such that, in the event of a hydraulic failure, the reel cannot come loose from the bed.

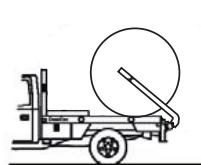


Fig. 1



Fig. 2

CAUTION: Do not exceed GVRW rating of truck when loading.

DewEze E/H Option (RT and XRT)

Deweze Heavy Duty EH is an option with the RT and power winder options with the following conditions/limitations:

1. The pull force is limited to 500 Lbs.
2. The winder is not used more than 30 Minutes out of an hour.
3. The truck chassis needs an alternator of at least 175A, the larger the alternator (or dual alternators) the better.

The Deweze Hybrid EH is **NOT** an option for the power winder but is a higher speed option for non-winder units. Following conditions will offer best performance for non-winder units:

1. Truck chassis should have a large capacity charging system (large alternator or dual alternators)
2. The secondary battery installed should be of highest capacity possible.

Note: The Hybrid EH is not suitable for power winder equipped units as the system will not be able to maintain an even battery charge to the secondary battery when used for long durations i.e., running the winder motor.

Maintenance

Check Daily or Before Use

- Check the hydraulic oil level. Keep the level to "FULL" on the dipstick.
- Check the belt, belt tensioner and idler pulleys on engine clutch pump system.
- Examine the hydraulic hoses for leaks with an object such as cardboard.

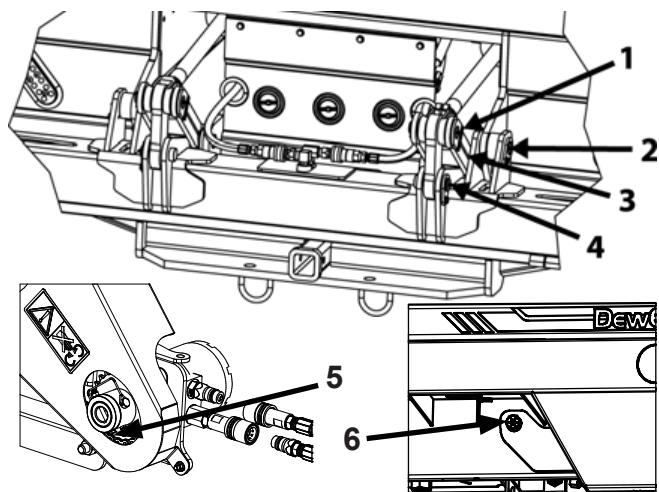
SAFETY WARNING!

Hydraulic fluid escaping under pressure can penetrate the skin and may cause death if not treated immediately.

Lubrication

Grease the locations indicated in the illustrations below once per week while the unit is in use and at the end of each season (same locations on right and left).

1. Lift cylinder – rod end
2. Cross-tube hinge
3. Idler arm base
4. Idler link pin
5. Winder Drive Couple
6. Lift cylinder – base end



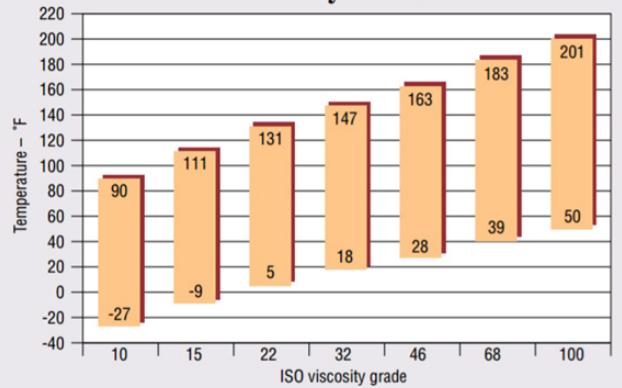
SAFETY WARNING!

Use extreme caution when greasing the flatbed. Completely lower arms to expose rear zerk and turn off ignition.

Hydraulic Oil

- Hydraulic fluid selection will affect the performance of the hydraulic system.

Operating temperature ranges for conventional hydraulic fluids



- Consult your local oil supplier for help in selection of a hydraulic fluid appropriate for your area. Consideration will also need to be given as to whether the system is a clutch pump or electric over hydraulic.
- Change the hydraulic oil filter after the first 40 hours of use and then every 250 hours, or annually thereafter.
- Change the hydraulic oil if it becomes contaminated or turns milky in appearance.
- In cold weather (below 10°F), use hydraulic oil that is specifically rated for cold weather.
- If other hydraulic equipment is attached to the bed, the oil will intermix and cold weather viscosity may be lost.

Hydraulic System

- If the quick-couplers leak, the o-rings may need to be replaced.
- High heat, 190° or greater, can be damaging to the hydraulic system. Feel various parts of the system to make sure there are no "hot spots" which may indicate a problem.
- In the off season, run the bed at least twice a month to prevent valve condensation.

- For easy hookup of the couplers, turn the pump switch off and activate the control valve switches with the ignition on. This will release pressure in the lines.

GatorHyde Protective Coating

- In the event that damage should occur to the GatorHyde protective coating, repair materials are available from your DewEze dealer to fix small areas. Follow the instructions provided in Appendix I.

Remote Control

- The remote control transmitter has two LED indicators, the green TRANSMIT indicator and the red BATTERY / DIAGNOSTIC indicator.
- The green TRANSMIT indicator flashes rapidly whenever there is communication between the transmitter and the receiver.
- The red BATTERY / DIAGNOSTIC indicator starts blinking once every second when the battery voltage is low and requires replacement. It also blinks when there is a problem with the system in the form of an error code. Refer to the ERROR CODE CHART in Appendix II.
- To synchronize a new transmitter and receiver together, refer to the TEACH ID CODE instructions in Appendix II.

Power Unit

- If the flatbed is powered with a DewEze Under-the-Hood hydraulic system, refer to the following chart when troubleshooting.
- See Appendix III if the flatbed is powered with the Electric/Hydraulic power unit.

Troubleshooting

Problem	Symptom	Possible Solution
Hydraulic Pump	No Oil Flow	<ul style="list-style-type: none"> CHECK OIL LEVEL IN RESERVOIR. If oil level is low, check for leaks in system. Then, refill to FULL. CHECK BELT TENSION. Replace tensioner or tighten idlers if needed. Replace belt if it is worn. CHECK FOR SHEARED KEY ON PUMP SHAFT. Replace key. CHECK IF SUCTION HOSE COLLAPSES IN SUCTION. Locate and remove the obstruction. CLUTCH NOT FUNCTIONING. See possible clutch solutions. INTERNAL PUMP DAMAGED. Seek assistance from a dealer.
Hydraulic Pump	No Oil Pressure	<ul style="list-style-type: none"> HYDRAULIC OIL LEAKS IN SYSTEM. Take safety precautions and check for leaks. Tighten fittings and replace damaged hoses. CHECK FOR MALFUNCTIONING SWITCH. Replace switches. BELT OR CLUTCH MAY BE SLIPPING. Replace tensioner or tighten idlers if needed. Replace belt if it is worn. VALVE NOT FUNCTIONING. Check for disconnected wires at the solenoid or for rusted ground wires. Seek assistance from a dealer if the valve continues to be unresponsive. PUMP IS WORN OR DAMAGED. Seek assistance form dealer.
Clutch	Does Not Engage	<ul style="list-style-type: none"> CHECK FOR BLOWN FUSE. Replace fuse. CAUTION: FUSE SHOULD NOT EXCEED 30 AMPS. CHECK WIRE TO CLUTCH. Insure there are not breaks or shorts. CHECK FOR BAD SWITCHES IN SYSTEM. Replace switches. CLUTCH IS WORN OUT. Seek assistance form dealer.
Belt(s)	Jumps Off Pulley	<ul style="list-style-type: none"> BELT(S) TOO LOOSE. Replace tensioner or tighten idler pulleys. CHECK FOR EXCESSIVE BELT WEAR. Replace worn belt(s). CHECK FOR LOOSE PUMP BRACKET. Tighten loose bolts. Replace broken bolts. CHECK CRANKSHAFT PULLEY FOR LOOSE OR BROKEN BOLTS. Tighten loose bolts. Replace broken bolts. CHECK ALIGNMENT OF IDLER PULLEYS AND CONDITION OF BEARINGS. Re-align idler pulleys or replace worn idler pulleys. CHECK ALIGNMENT OF CLUTCH AND CRANKSHAFT PULLEY. If misalignment is visible, seek assistance from dealer.

 **SAFETY WARNING!** 

**Use extreme caution when inspecting an engine.
Serious injury or death could result from getting too close! Remove key from ignition when servicing.**

DewEze

RT FLATBED

DewEze®

RT FLATBED

PARTS

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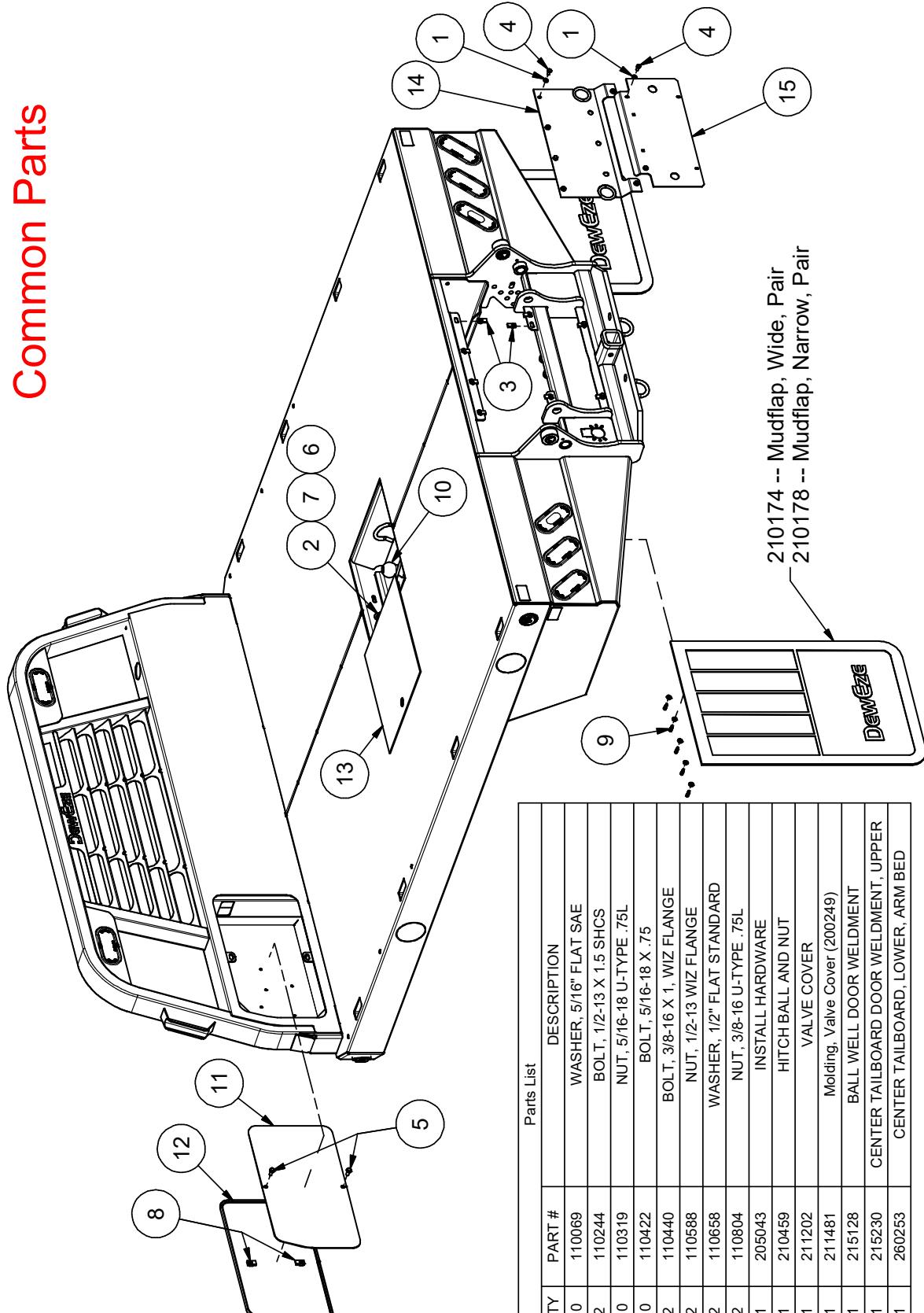
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600 & 700 RT Series Common Parts



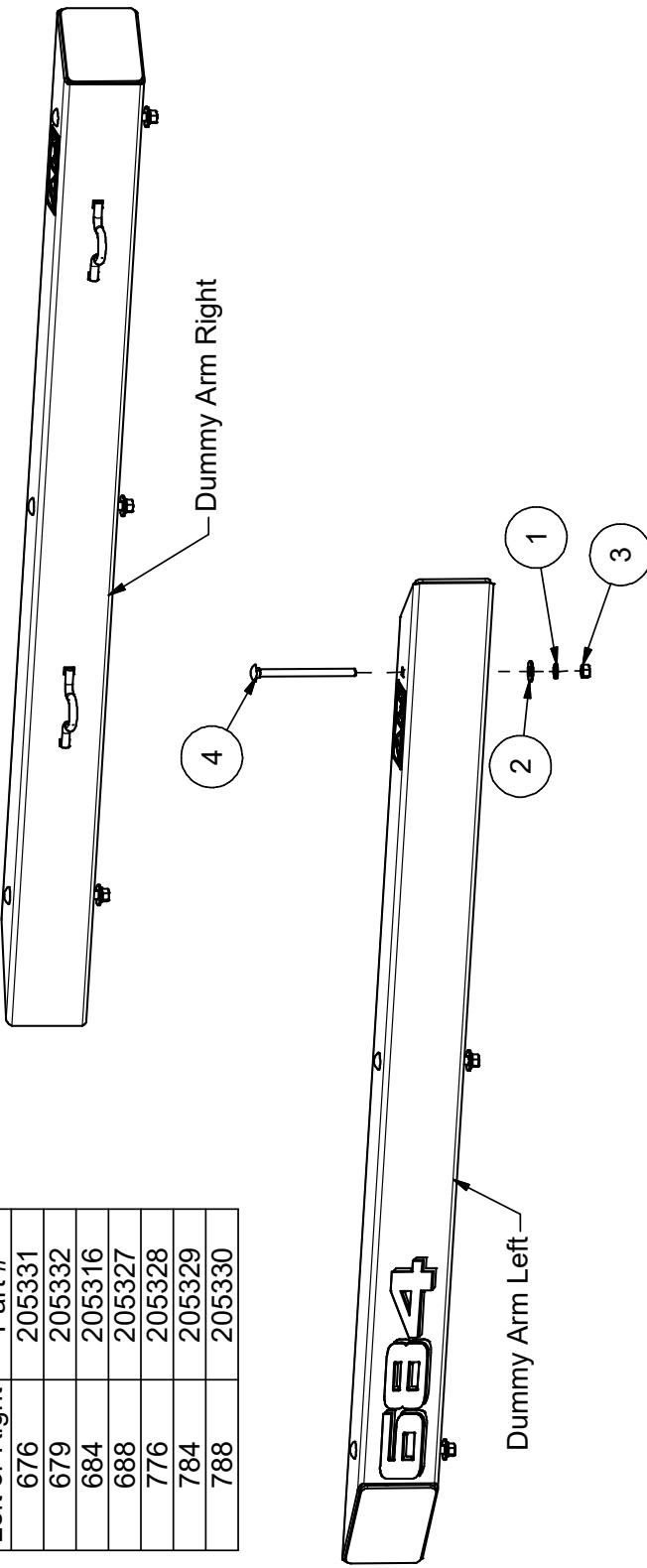
1/27/2020

600 & 700 RT Series Dummy Arms

Parts List		
ITEM	PART #	DESCRIPTION
1	110672	WASHER, 3/8" LOCK
2	110676	WASHER, 3/8" FLAT STANDARD
3	110826	NUT, 3/8-16 GR 5
4	110846	Bolt, 3/8-16 X 5 in Carriage

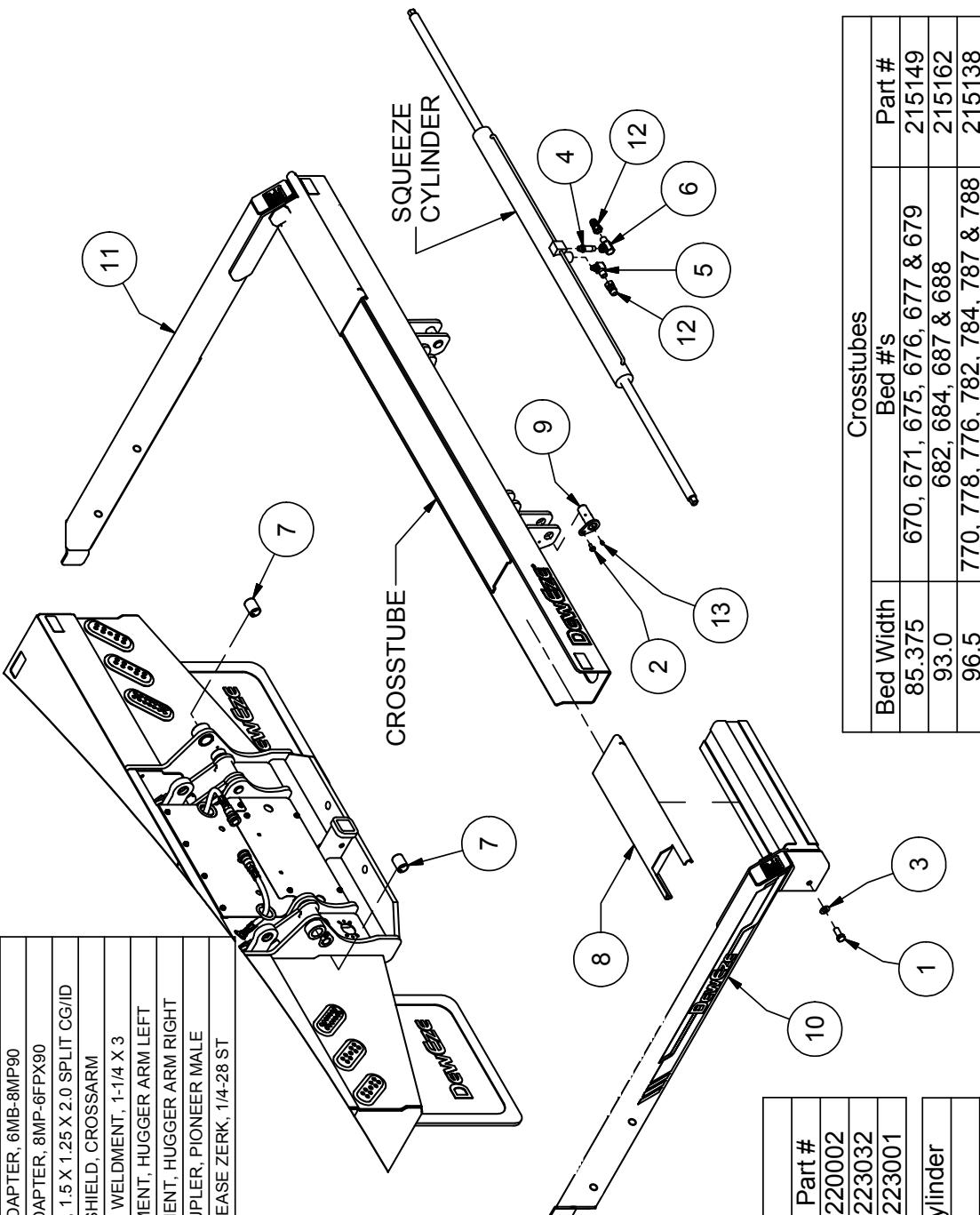
* Model # Decals Must be
Ordered Separately

Dummy Arms	
Left or Right	Part #
676	205331
679	205332
684	205316
688	205327
776	205328
784	205329
788	205330



Parallel Squeeze Crosstube & Arms

Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	2	110365	BOLT, 5/16-18 X 1.5 GR 5
2	10	110444	BOLT, 5/16-18 X 0.75, WIZ FLANGE
3	2	110663	WASHER, 5/8" FLAT SAE
4	1	120078	ADAPTER, 6MB-6MP (3/8 X 2-1/2)
5	1	120147	ADAPTER, 6MB-8MP90
6	1	120311	ADAPTER, 8MP-6FPX90
7	2	202023	BUSHING, 1.5 X 1.25 X 2.0 SPLIT CG/D
8	2	211292	SHIELD, CROSSARM
9	2	215140	PIN WELDMENT, 1-1/4 X 3
10	1	211895	WELDMENT, HUGGER ARM LEFT
11	1	211896	WELDMENT, HUGGER ARM RIGHT
12	2	420005	COUPLER, PIONEER MALE
13	8	510174	GREASE ZERK, 1/4-28 ST



Squeeze Cyl Seal Kit
Part# 220056

Squeeze Cylinders		
Bed Width	Bed #'s	Part #
85.375	675	220002
93.0	682	223032
96.5	778	223001

Synchronized Squeeze Cylinder		
Bed Width	Bed #'s	Part #
85.375	670, 671, 675, 676, 677 & 679	215149
93.0	682, 684, 687 & 688	215162
96.5	770, 778, 776, 782, 784, 787 & 788	215138

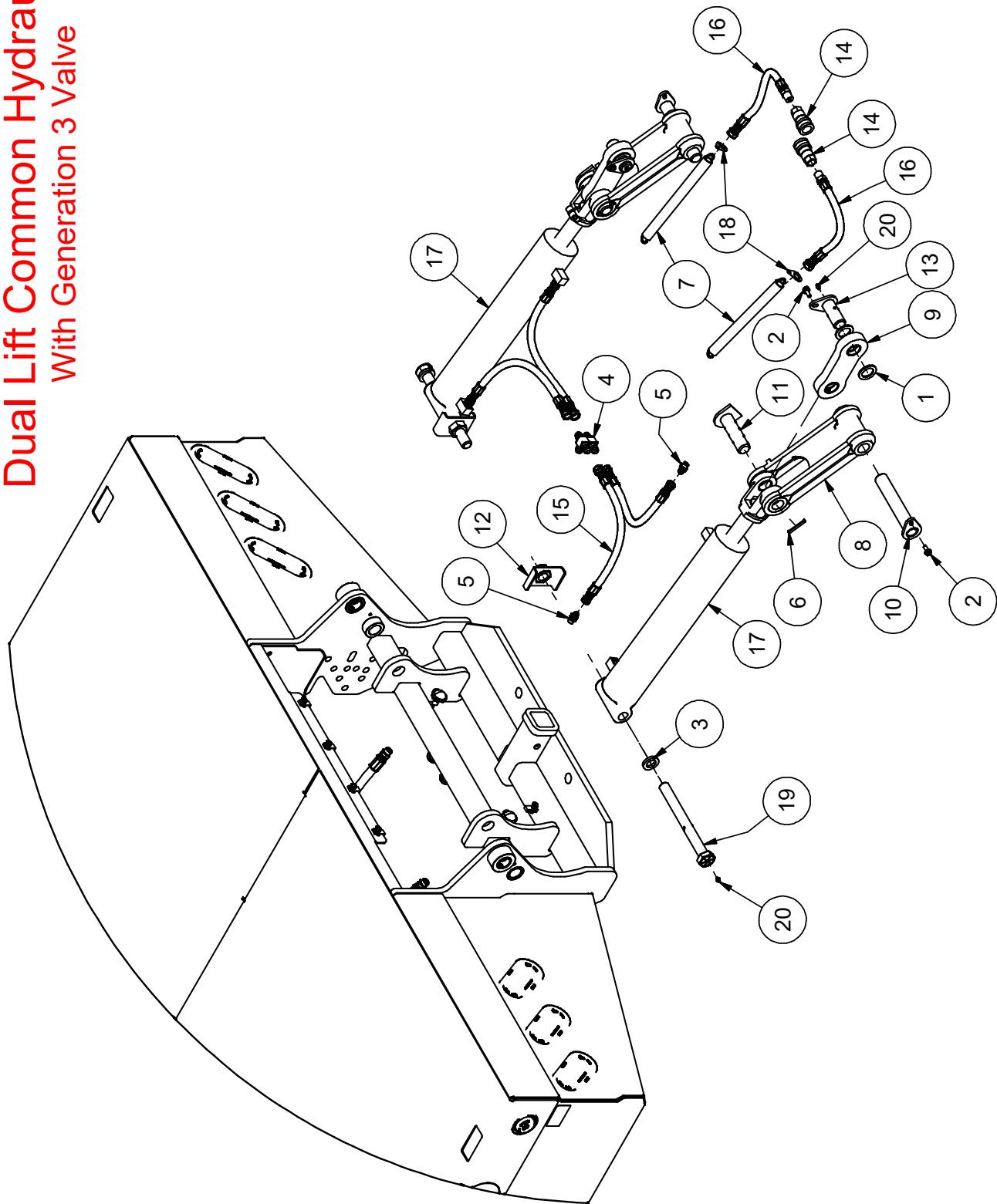
8/16/2017

Flatbed Squeeze Cylinders

Bed Width	Model #	Squeeze Cylinder	Model #	
85.375"	670	220002	470	
	675		475	
	677		477	
	679		479	
91.375"		220002	482	
			482 XRM	
			484	
			484 XRM	
			487	
			487 XRM	
			488	
			488 XRM	
93.0"	682	223032		
	682 XRM			
	684			
	684 XRM			
	687			
	687 XRM			
	688			
	688 XRM			
96.5"	770	223001	578	
	770 XRM		578 XRM	
	778		582	
	778 XRM		582 XRM	
	782			
	782 XRM			
	784			
	784 XRM			
	787		587	
	787 XRM		587 XRM	
	788			
	788 XRM			
85.375	670 XRM	223001	470 XRM	
	675 XRM		475 XRM	
	677 XRM		477 XRM	
	679 XRM		479 XRM	
A Synchronized Squeeze Cylinder				
Part # 223026				
is available as an option for all beds.				
This cylinder is the same length as # 223001 .				
Squeeze Cylinder Seal Kit Part # 220056				

Dual Lift Common Hydraulics With Generation 3 Valve

12/4/2019



Dual Lift Common Hydraulics With Generation 3 Valve

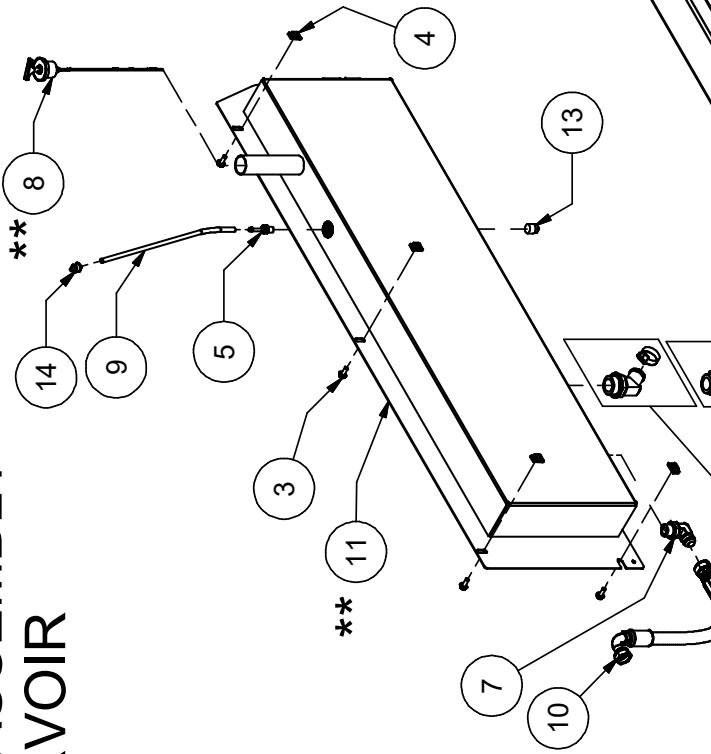
Dual Lift Cylinders
Production Part# 223038
Seal Kit Part# 212012

Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	4	110336	WASHER, 1-1/4" FLAT MACHINE
2	10	110444	BOLT, 5/16-18 X 0.75, WIZ FLANGE
3	2	110649	WASHER, 1" LOCK
4	2	120242	ADAPTER, 8MJ-8MA-8MJ
5	4	120319	ADAPTER, 6MJ-6MB
6	2	200150	ROLL PIN, 1/4 X 2
7	2	202022	SPRING, 1" O.D. X 12" L X .105 WIRED
8	2	210935	IDLER ARM, MACHINE DW/G.
9	2	214002	PUSH ARM ASSY, DUAL LIFT
10	2	215141	PIN WELDMENT, 1-1/4 X 7
11	2	215142	PIN WELDMENT, 1-1/4 X 4
12	2	215144	KEEPER, 1 IN NUT, WELDMENT
13	2	215148	PIN WELDMENT, CROSSTUBE LINK
14	2	220084	COUPLER, PIONEER FEMALE
15	4	220681	HOSE ASSY, FLATBED DUAL LIFT
16	2	220682	HOSE ASSY, FLATBED SQUEEZE SHORT
17	2	223038	LIFT CYLINDER 3.50 X 16.6
18	2	260111	MOUNT, HOSE SPRING
19	2	260760	Bolt, 1-8 x 10, Greasable
20	10	510174	GREASE ZERK, 1/4-28 ST

600 - 700 WITH GENERATION 3 VALVES

COMMON HOSES	SQUEEZE HOSES SHORT	LIFT HOSES SHORT	RESERVOIR RETURN	HYDRAULIC HOSE KIT #
6MTF3 - 8FJX / 8MP	8M3K - 6FJX / 8FJX	12-10FJX / 12-12FJX		
2 ea.	4 ea.	4 ea.	1 ea.	
	220682 (17 in.)	220681 (17 in.)	220723 (25 in.)	223051
FLATBED LENGTH	SQUEEZE HOSES	LIFT HOSES		
80 in.	8M3K - 8FJX / 8MJ	8M3K - 6FJX / 8FJX		
96 &101 in.	_70, _71	220683 (106 in.)	220687 (76 in.)	223034
106-110 in.	_75, _76 & _78	220684 (122 in.)	220688 (99 in.)	223035
132-136 in.	_77 & _82, _79 & _84	220685 (132 in.)	220689 (111 in.)	223036
	_87 & _88	220686 (158 in.)	220690 (137 in.)	223037

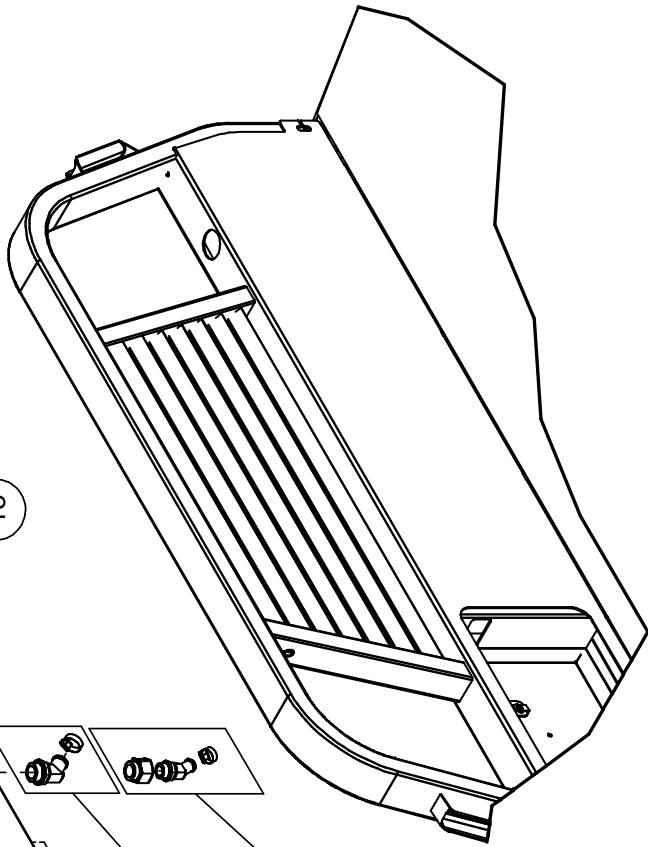
HYDRAULIC ASSEMBLY RESERVOIR



Parts List

ITEM	PART #	QTY	DESCRIPTION
1	110290	2	NUT, 1/4-20 WIZ FLANGE
2	110434	4	BOLT, 1/4-20 X 0.5, WIZ FLANGE
3	110444	4	BOLT, 5/16-18 X 0.75, WIZ FLANGE
4	110616	4	NUT, 5/16", J-TYPE, CAGE, .5C
5	120237	1	ADAPTER, 4BH-4MP
6	120244	1	ADAPTER, 12MJ-12MP
7	120257	1	ADAPTER, 12MJ-12MB90
8	220566	1	Dipstick Cap, Reservoir Flatbed
9	220587	1	VENT HOSE
10	220700	1	FILTER TO RESERVOIR HOSE
11	225012	1	Reservoir, Flatbed, Remote Filter
12	260265	1	MOUNTING BRACKET, FILTER
13	500175	1	FITTING, PLUG 1/2" PIPE
14	540031	1	FUEL FILTER

** For Medium-Tall Headach Rack
Reservoir Part # -- 225033
Dipstick Cap Part # -- 220803

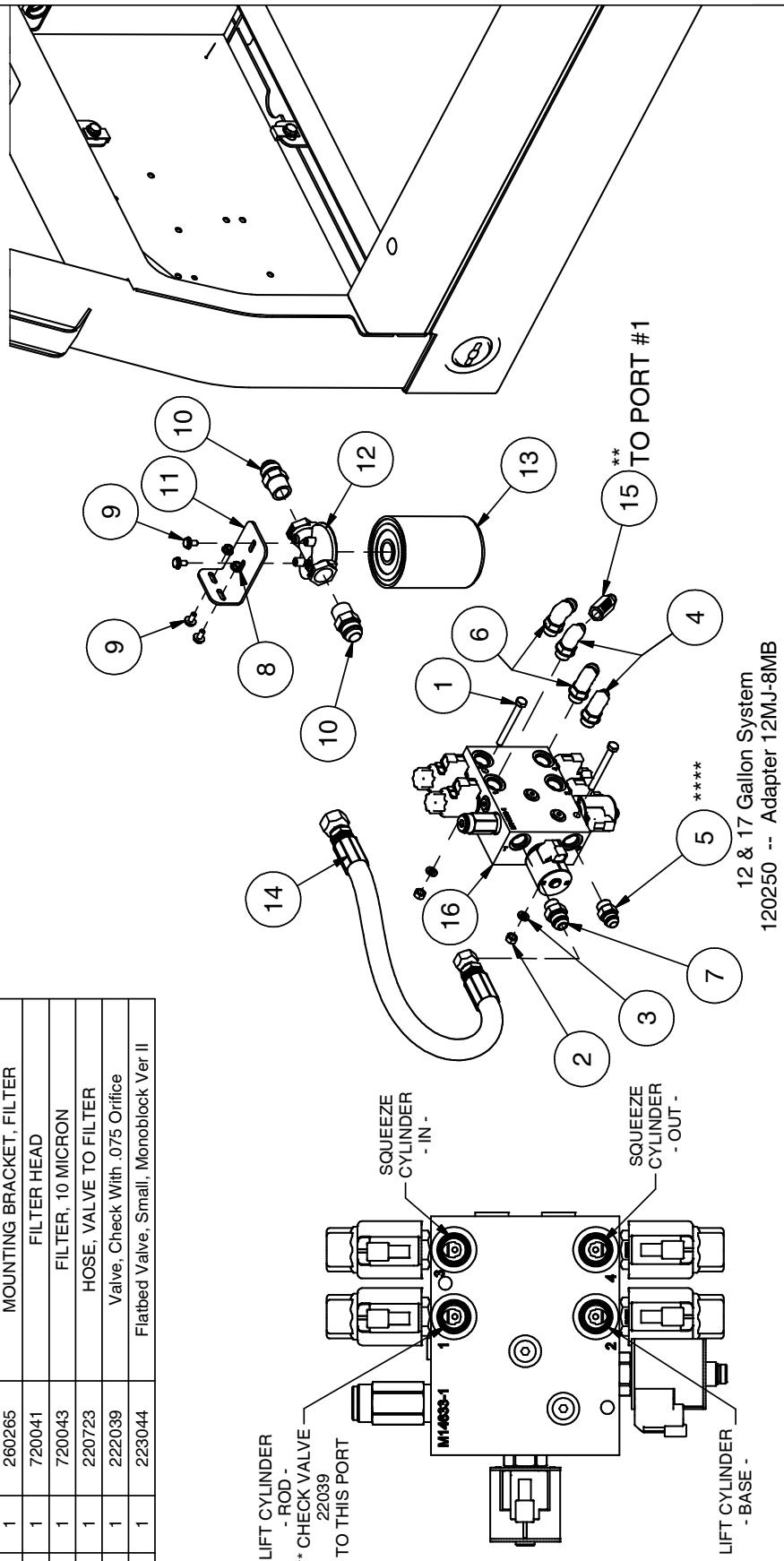


12 & 17 GALLON SYSTEM		
PART #	QTY	DESCRIPTION
120189	1	ADAPTER, 20MB-20BH 45°
511002	1	HOSE CLAMP, #24
720107	1	HOSE CLAMP, #20

12/4/2019

Valve & Filter Gen 3 Double Poppet

Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	2	110538	BOLT, 5/16-18 X 30
2	2	110608	NUT, 5/16-18
3	2	110674	WASHER, 5/16" LOCK
4	2	120134	ADAPTER, 6MJ-8MB90
5	1	120277	ADAPTER, 8MJ-8MB
6	2	120288	ADAPTER, 8MJ-8MB90
7	1	120493	ADAPTER, 10MJ-8MB
8	2	110290	NUT, 1/4-20 WIZ FLANGE
9	4	110434	BOLT, 1/4-20 X 0.5, WIZ FLANGE
10	2	120244	ADAPTER, 12MJ-12MP
11	1	260265	MOUNTING BRACKET, FILTER
12	1	720041	FILTER HEAD
13	1	720043	FILTER, 10 MICRON
14	1	220723	HOSE, VALVE TO FILTER
15	1	222039	Valve, Check With .075 Orifice
16	1	223044	Flattened Valve, Small, Monoblock Ver II



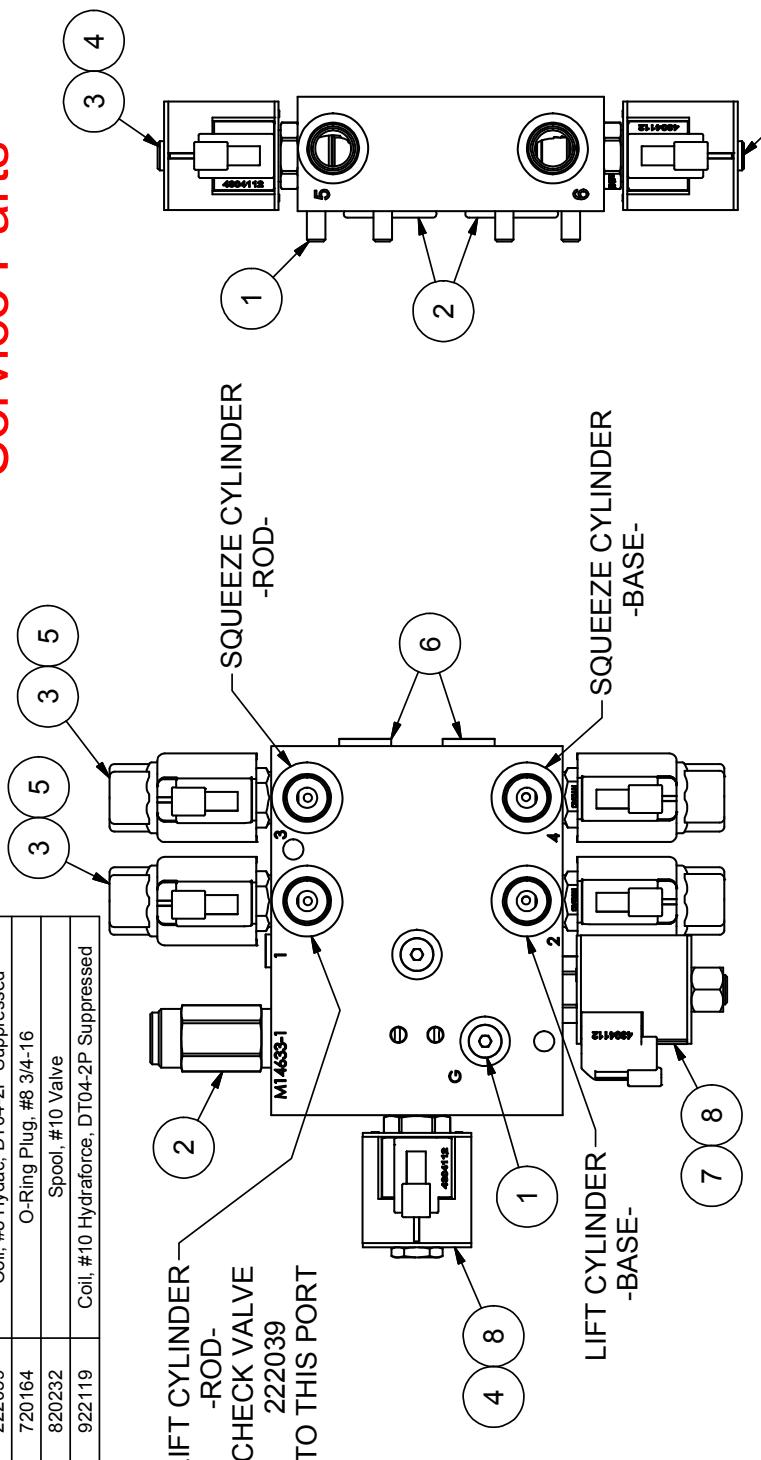
12 & 17 Gallon System
120250 -- Adapter 12MJ-8MB
Also As Required
120368 -- Adapter 8mj-8fjx90
120267 -- Adapter 12mj-12fjx90

DewEze

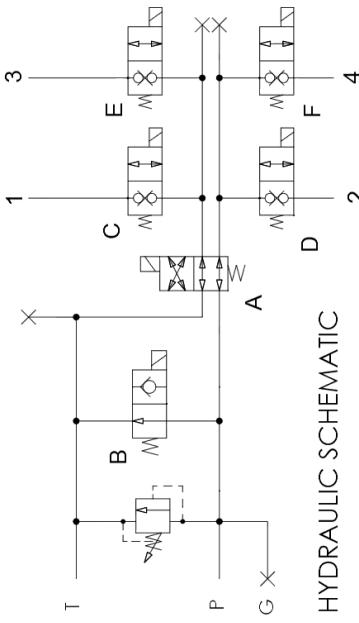
RT FLATBED

Flatbed Valve, Small, Hydac Deutsch P/N 223044		
ITEM	QTY	PART #
1	3	1200622 O-Ring Plug, #4 7/16-20
2	1	222004 Valve, Pressure Relief
3	4	222010 Cartridge, #8 HYDAC Double Poppet
4	1	222045 #10 SOLENOID 2 POSITION 4 WAY
5	4	222059 Coil, #8 Hydac, DT04-2P Suppressed
6	2	720164 O-Ring Plug, #8 3/4-16
7	1	820232 Spool, #10 Valve
8	2	922119 Coil, #10 Hydrafuse, DT04-2P Suppressed

Flatbed Valve -08 Hydac Deutsch Service Parts



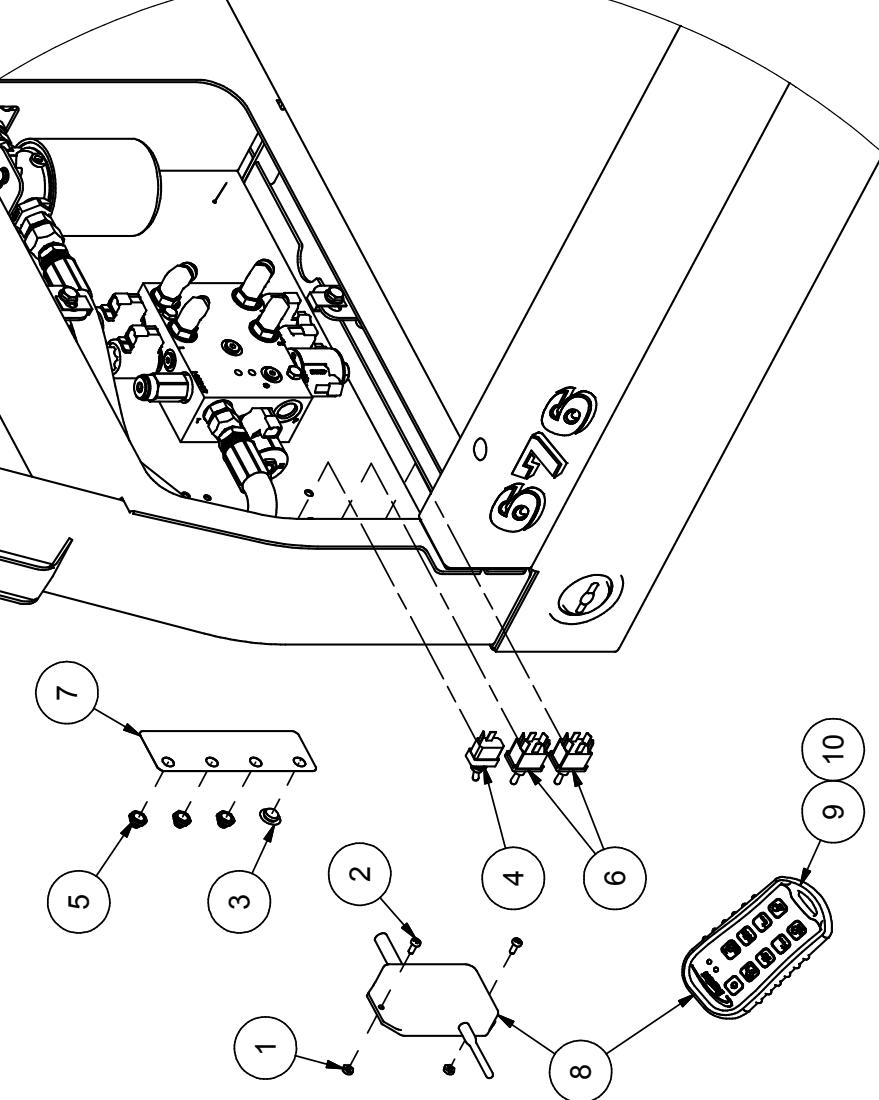
Valve, 3rd Bank add on P/N 223045		
ITEM	QTY	PART #
1	4	110168 BOLT, 5/16-18 X 2.0 SHCS
2	2	120376 O'RING, -219, 90 DURO
3	2	222003 Valve, Poppet N.C. SOL VALVE
4	2	922119 Coil, #10 Hydrafuse, DT04-2P Suppressed



RF Control & Manual Switches

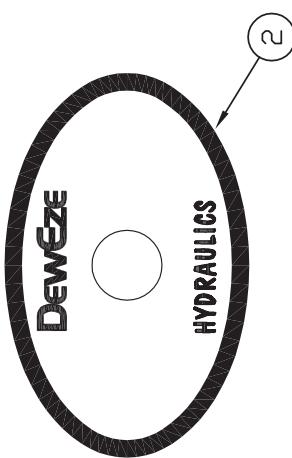
Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	3	110119	NUT, 10-24 LOCK
2	3	110264	BOLT, 10-24 X .5 STAINLESS, PHILLIPS
3	2	110753	PLUG, 1/2" BUTTON PLASTIC
4	1	132027	Switch, Spst, Toggle 250 Tab
5	3	132035	SWITCH BOOT
6	2	132127	Switch, Toggle, DPDT, (On)-OFF-(ON)
7	1	202003	DECAL, SWITCH IDENTIFICATION
8	1	233003	Transmitter & Receiver, Kar-Tech
9		233004	Transmitter, Kar-Tech
10			Two AA Batteries

Part # 132134

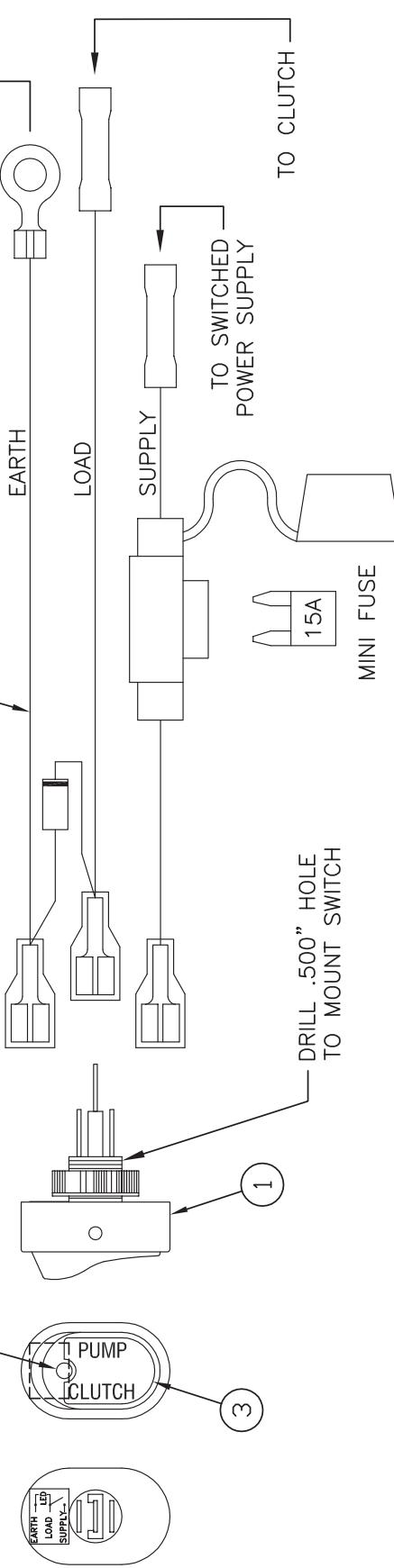


11/15/2016

ITEM	QUAN	PART #	NAME
1	1	1-32044	SWITCH, SPST, ROCKER LED
2	1	702002	DECAL, DEWEZE HYDRAULICS
3	1	702061	DECAL, PUMP CLUTCH
4	1	732002	HARNESS, CLUTCH CONTROL



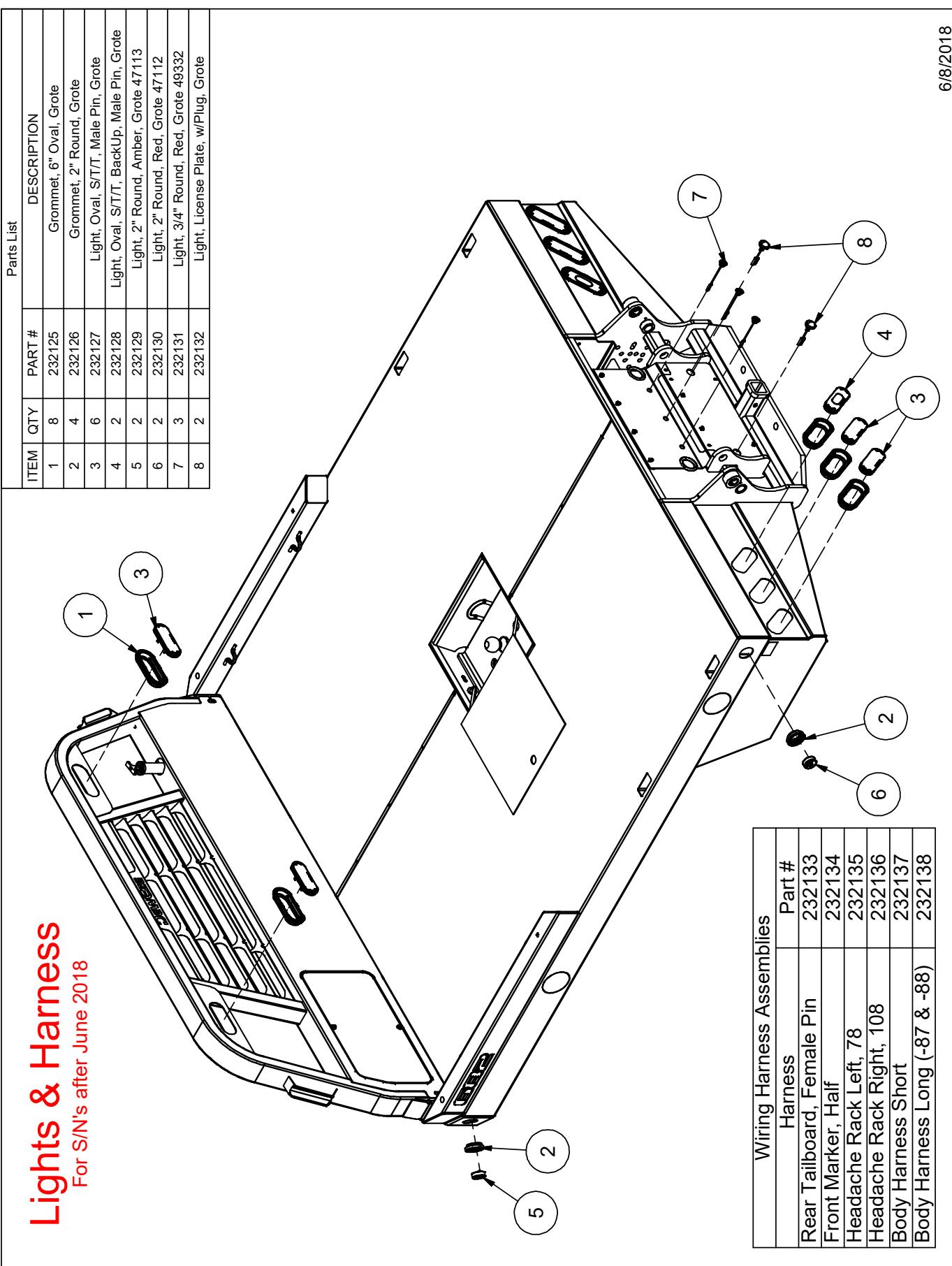
DECAL ORIENTED TO LED
ON SWITCH AS SHOWN



SWITCH, CLUTCH CONTROL ASSY 735001

Lights & Harness

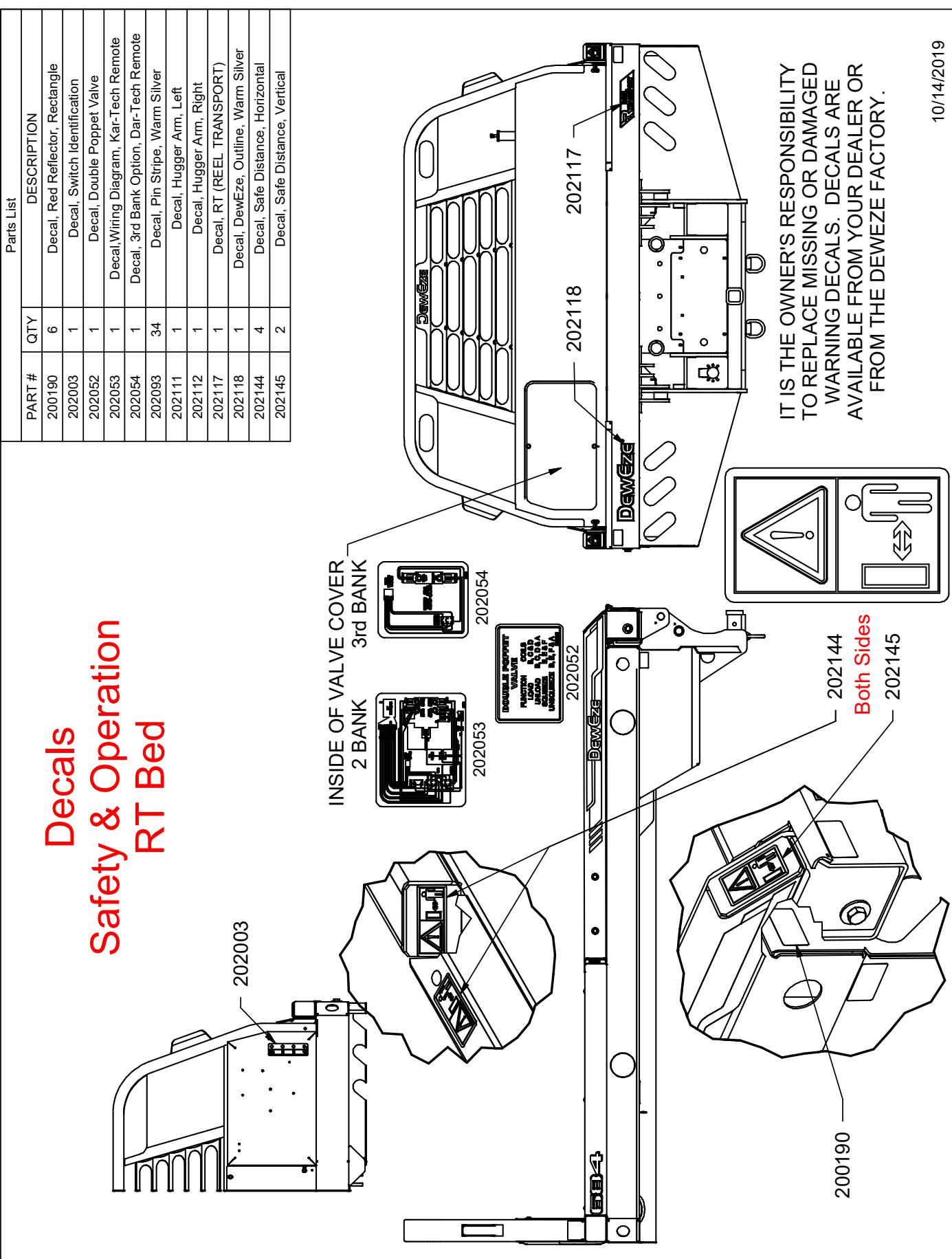
For S/N's after June 2018



6/8/2018

Decals

Safety & Operation RT Bed



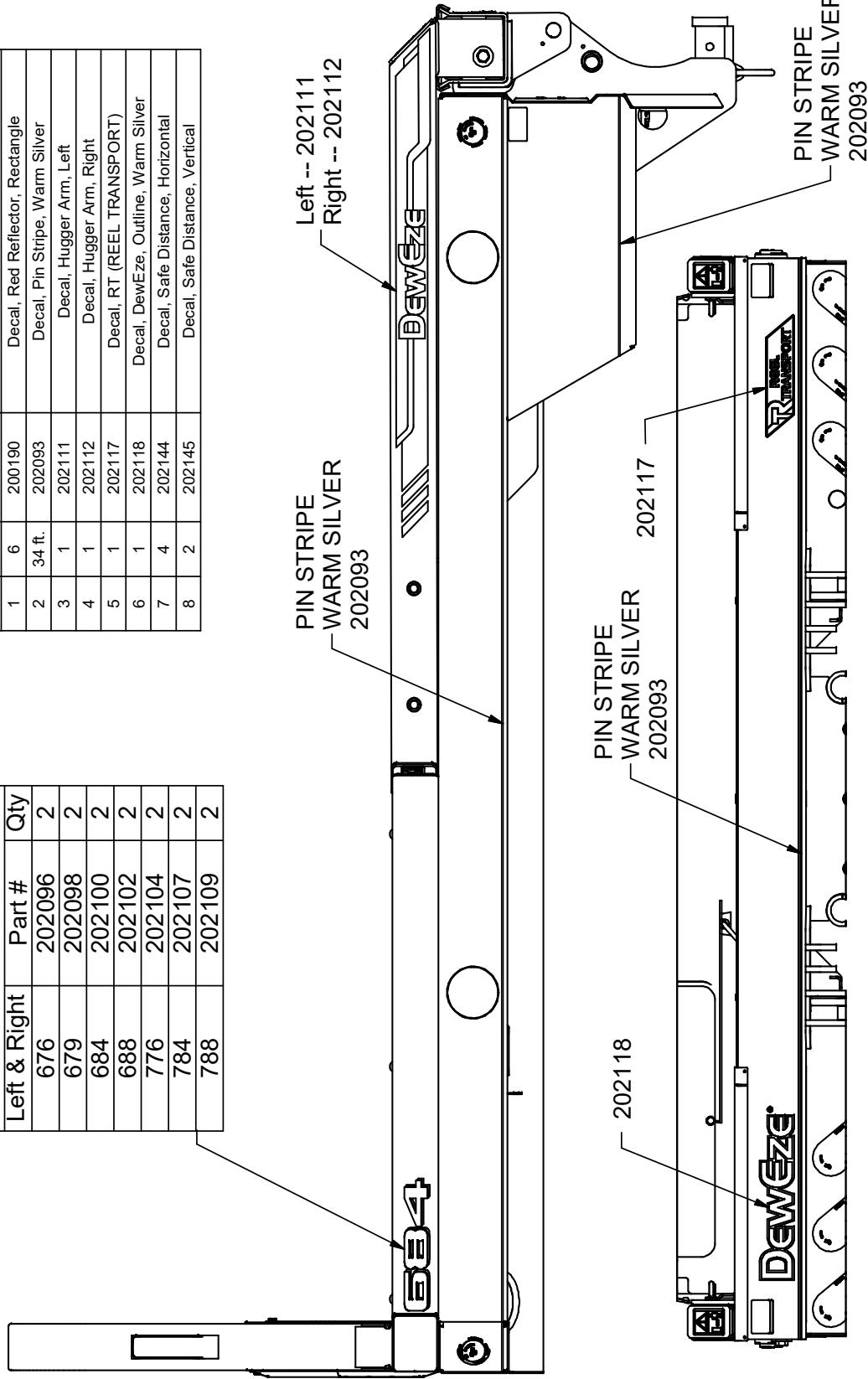
600 & 700 RT Series Decals

* Model # Decals Must be
Ordered Separately

Model # Decals			
Left & Right	Part #	Qty	
676	202096	2	
679	202098	2	
684	202100	2	
688	202102	2	
776	202104	2	
784	202107	2	
788	202109	2	

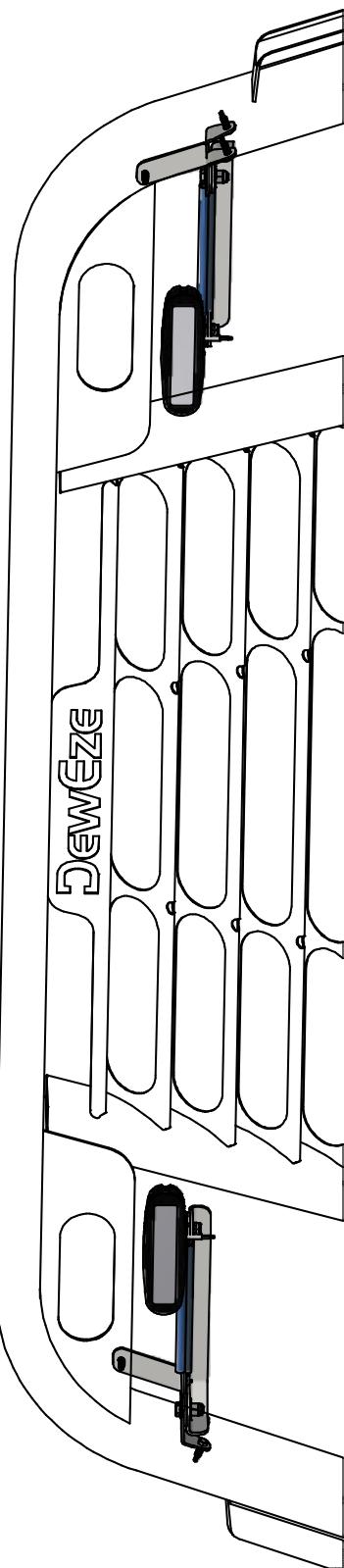
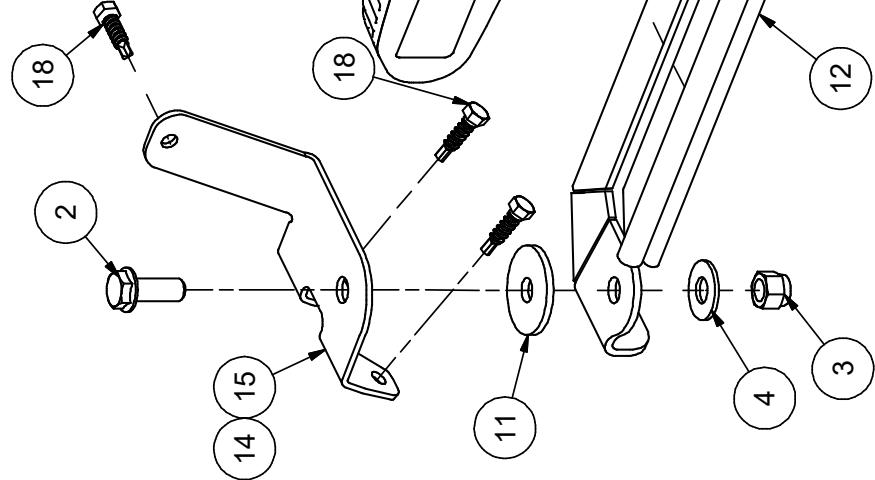
Decal Kit, 6-700 RT Series Part # 205294			
ITEM	QTY	PART #	DESCRIPTION
1	6	200190	Decal, Red Reflector, Rectangle
2	34 ft.	202093	Decal, Pin Stripe, Warm Silver
3	1	202111	Decal, Hugger Arm, Left
4	1	202112	Decal, Hugger Arm, Right
5	1	202117	Decal, RT (REEL TRANSPORT)
6	1	202118	Decal, DewEZE, Outline, Warm Silver
7	4	202144	Decal, Safe Distance, Horizontal
8	2	202145	Decal, Safe Distance, Vertical

Decal Kit, 6-700 RT Series Part # 205294



Flatbed Accessories

Swingout Lights LED



Swingout Light Kit, Part# 205114		
ITEM	QTY	PART #
1	2	110230 NUT, M8 X 1.25, LOCK NYLON
2	2	110440 BOLT, 3/8-16 X 1, WIZ FLANGE
3	2	110618 NUT, 3/8-16 LOCK NYLON INSERT
4	2	110676 WASHER, 3/8" FLAT STANDARD
5	5 ft	130004 Wire, 14ga Black
6	1	132035 SWITCH BOOT
7	1	132135 Switch, Toggle, SPST, On-Off
8	3	132147 Terminal, Butt Connector, 16-14, Heat Shrink
9	2	132148 Terminal, Ring, 16-14, 1/4", Heat Shrink
10	1	132149 Terminal, Multi-Wire Butt Connector, Heat Shrink
11	4	211747 FRICTION WASHER 1.5"
12	2	211749 SWINGLIGHT EDGE TRIM
13	2	232139 Light, LED, 5" Rect, Flood, W/Connector
14	1	260622 Bracket, Swing Light, Base, Right
15	1	260623 Bracket, Swing Light, Base, Left
16	1	260624 Bracket, Swing Light, Arm, Right
17	1	260625 Bracket, Swing Light, Arm, Left
18	6	710586 SCREW, 1/4 X 1 TEK SELF-TAP

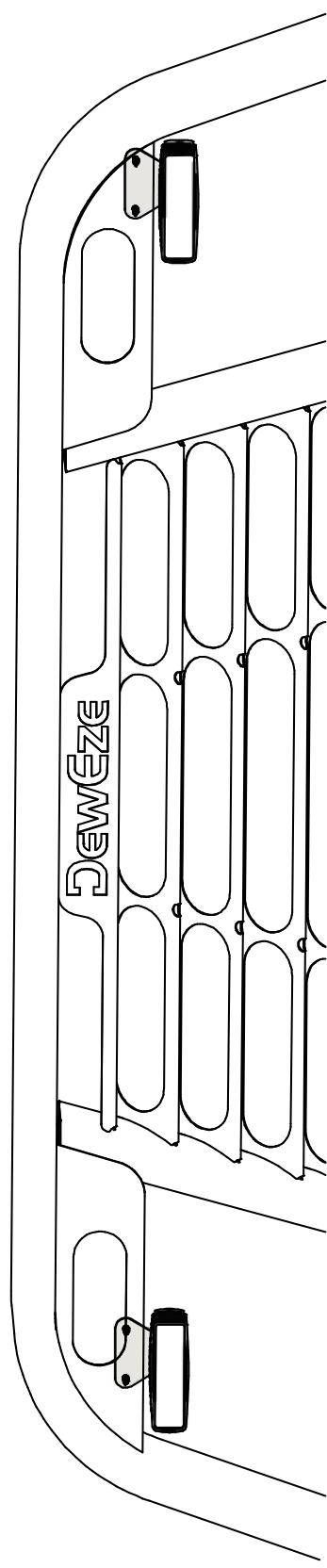
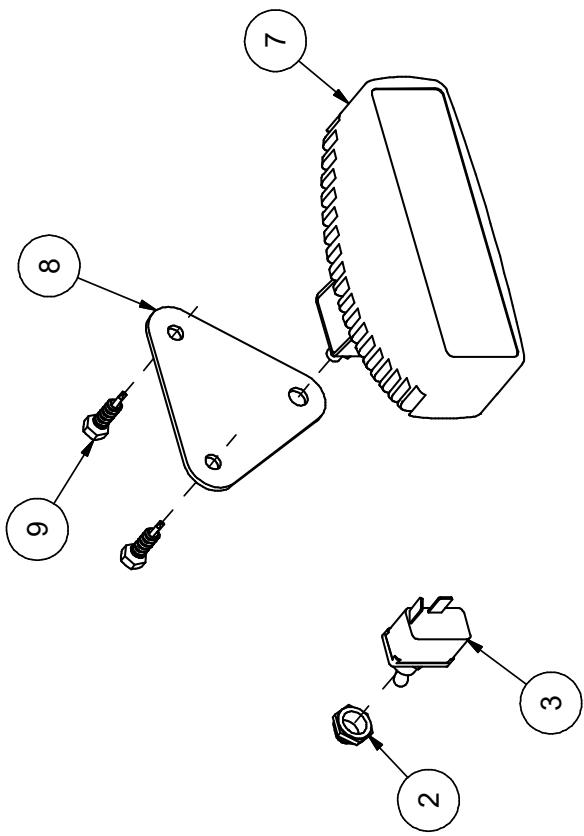
Flatbed Accessories

Cargo Lights

LED

Cargo Light Kit, Part# 205113

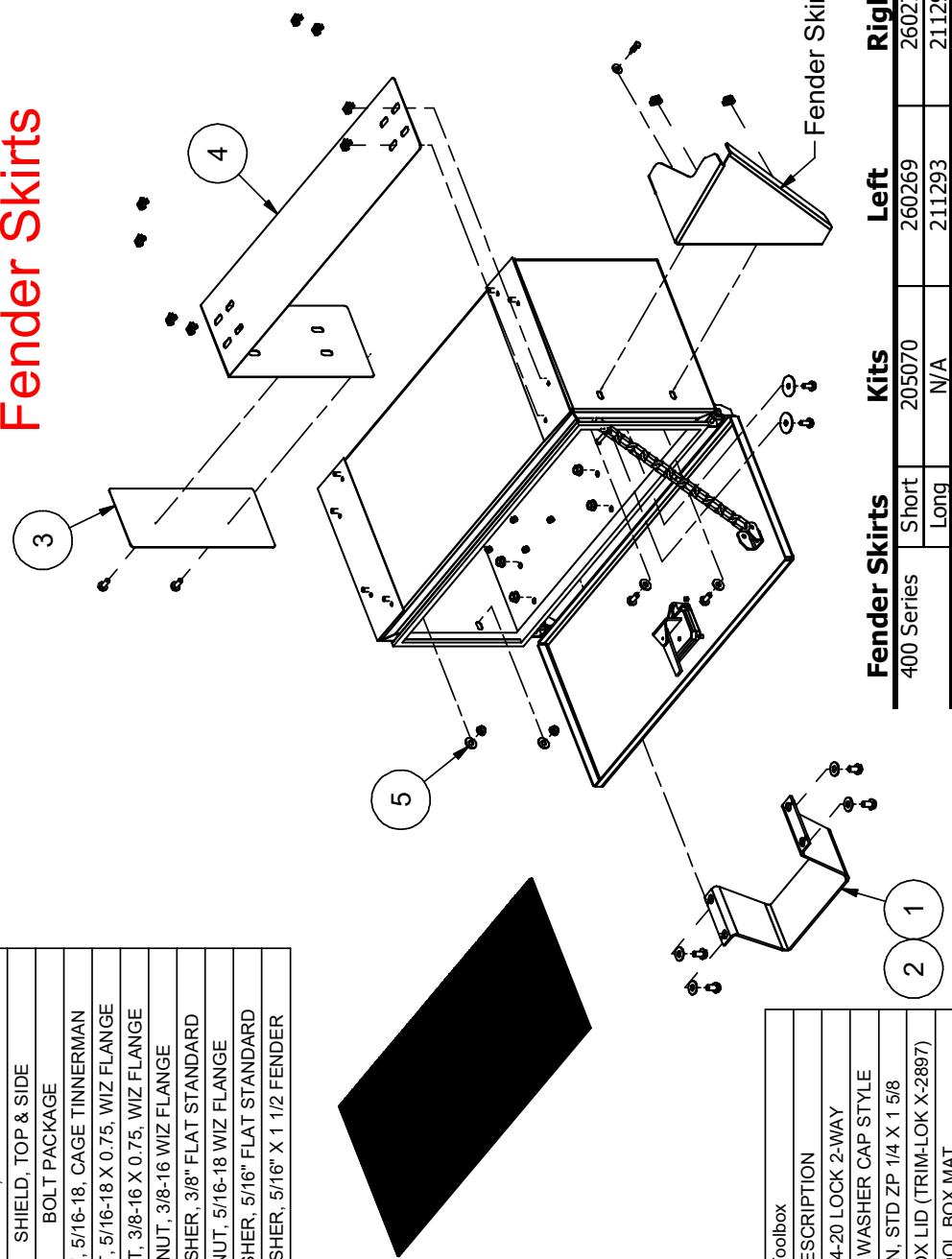
ITEM	QTY	PART #	DESCRIPTION
1	5 ft	130004	Wire, 14ga Black
2	1	132035	SWITCH BOOT
3	1	132135	Switch, Toggle, SPST, On-Off
4	3	132147	Terminal, Butt Connector, 16-14, Heat Shrink
5	2	132148	Terminal, Ring, 16-14, 1/4", Heat Shrink
6	1	132149	Terminal, Multi-Wire Butt Connector, Heat Shrink
7	2	232139	Light, LED, 5" Rect, Flood, W/Connector
8	2	260626	Bracket, Cargo Light
9	4	710586	SCREW, 1/4 X 1 TEK SELF-TAP



10/2/2018

Toolbox Complete W/Step, Part# 205011

Flatbed Accessories 30" Toolbox Fender Skirts



Service Parts for Toolbox		DESCRIPTION	
QTY	PART #	QTY	PART #
4	110174	1	NUT, 1/4-20 LOCK 2-WAY
3	112011	1	PUSH NUT, WASHER CAP STYLE
3	112095	1	CLEVIS PIN STD ZP 1/4 X 1 5/8
1	202010	1	SEAL, TOOLBOX LID (TRIM-LOK X-2897)
1	211119	1	TOOL BOX MAT
2	212003	2	Gasket, Toolbox Mount use DK111 Foam
1	212017	1	Latch, Toolbox w/Studs, Key & Gasket
1	212015	1	Gasket, Toolbox Latch
1	212016	1	Key, Toolbox Latch
1	205014	1	Door, Toolbox, Service Part

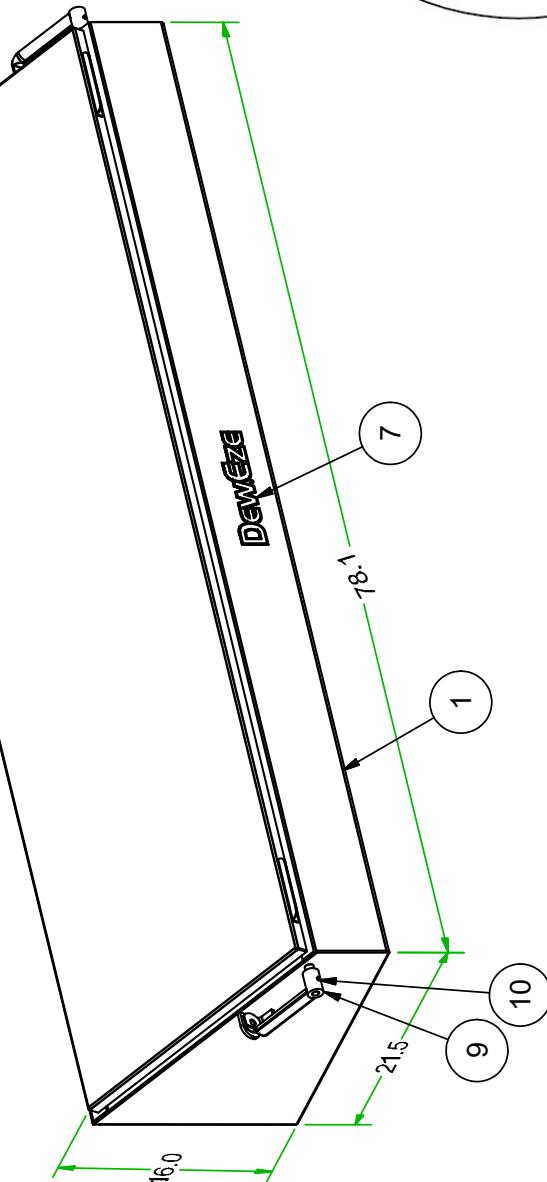
Fender Skirts		Kits	Right	Left
400 Series	Short	205070	260269	260270
	Long	N/A	211293	211294
500 Series	Short	205071	260271	260272
	Long	N/A	211587	211588
600 Series	Short	205070	260269	260270
	Long	205072	260273	260274
700 Series	Short	205071	260271	260272
	Long	205073	260275	260276

7/19/2023

Flatbed Accessories Across the Bed Toolbox

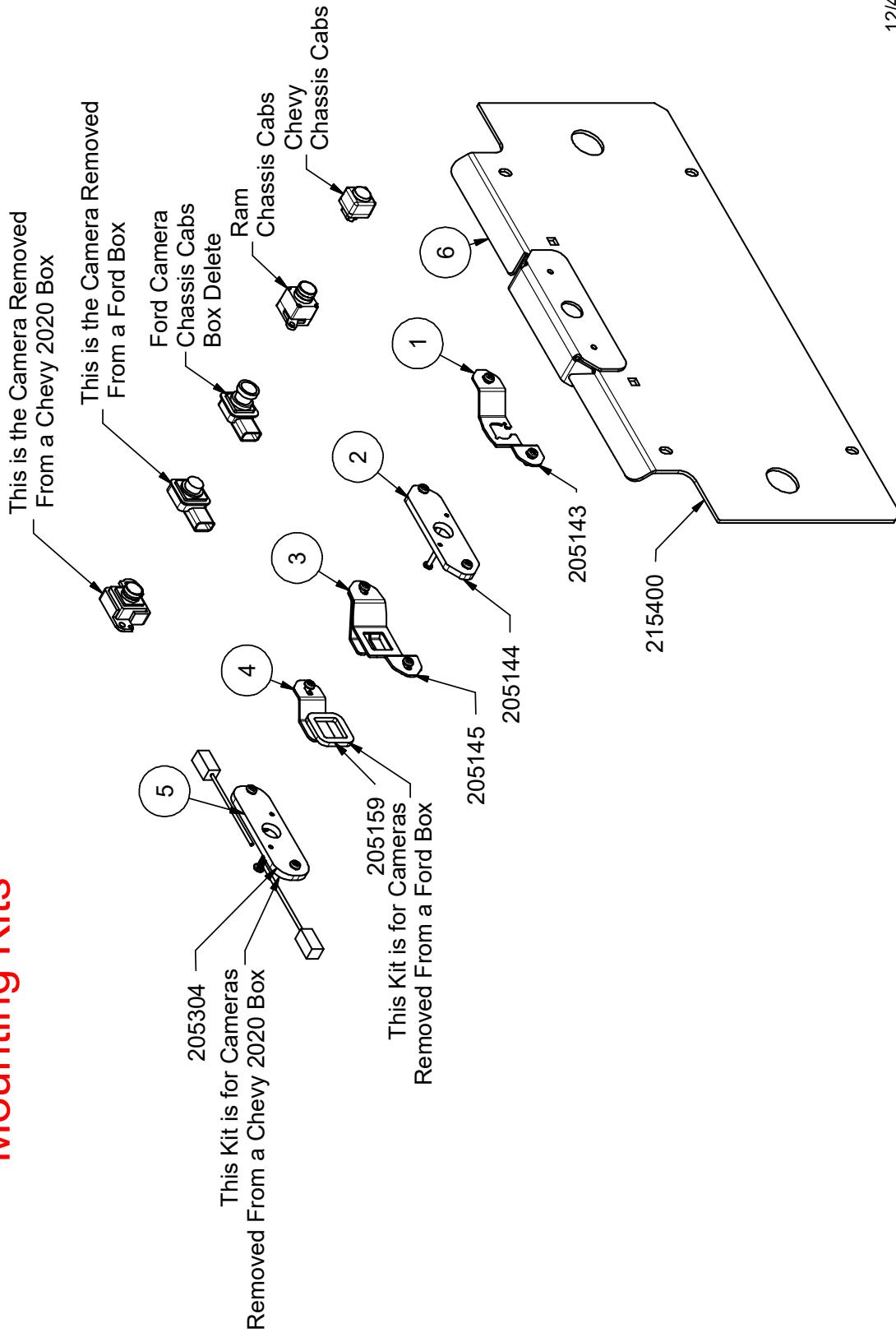
Across the Bed Toolbox, Part# 210915

ITEM	QTY	PART #	DESCRIPTION
1	1	210914	TOOLBOX WELD ASSEMBLY
2	2	211132	BUSHING, .625 X .5 X .062 FNG
3	4	110618	NUT, 3/8-16 LOCK NYLON INSERT
4	1	210908	ALL THREAD
5	2	211134	SPRING/LATCH
6	2	500078	Shock, Gas Filled
7	1	400010	DECAL, DEWEZE BLACK OUTLINE
8	4	110645	NUT, 3/8-16 WIZ FLANGE
9	1	211143	HANDLE WELD ASSY
10	2	110239	SetScrew, 5/16-18 X 0.3125
11	1	211138	WEAR PAD, PLASTIC TOOLBOX
12	1	110238	1/4-20 X .75 FLAT C/SUNK SCREW
13	1	110667	WASHER, 1/4" LOCK
14	1	110609	NUT, 1/4-20

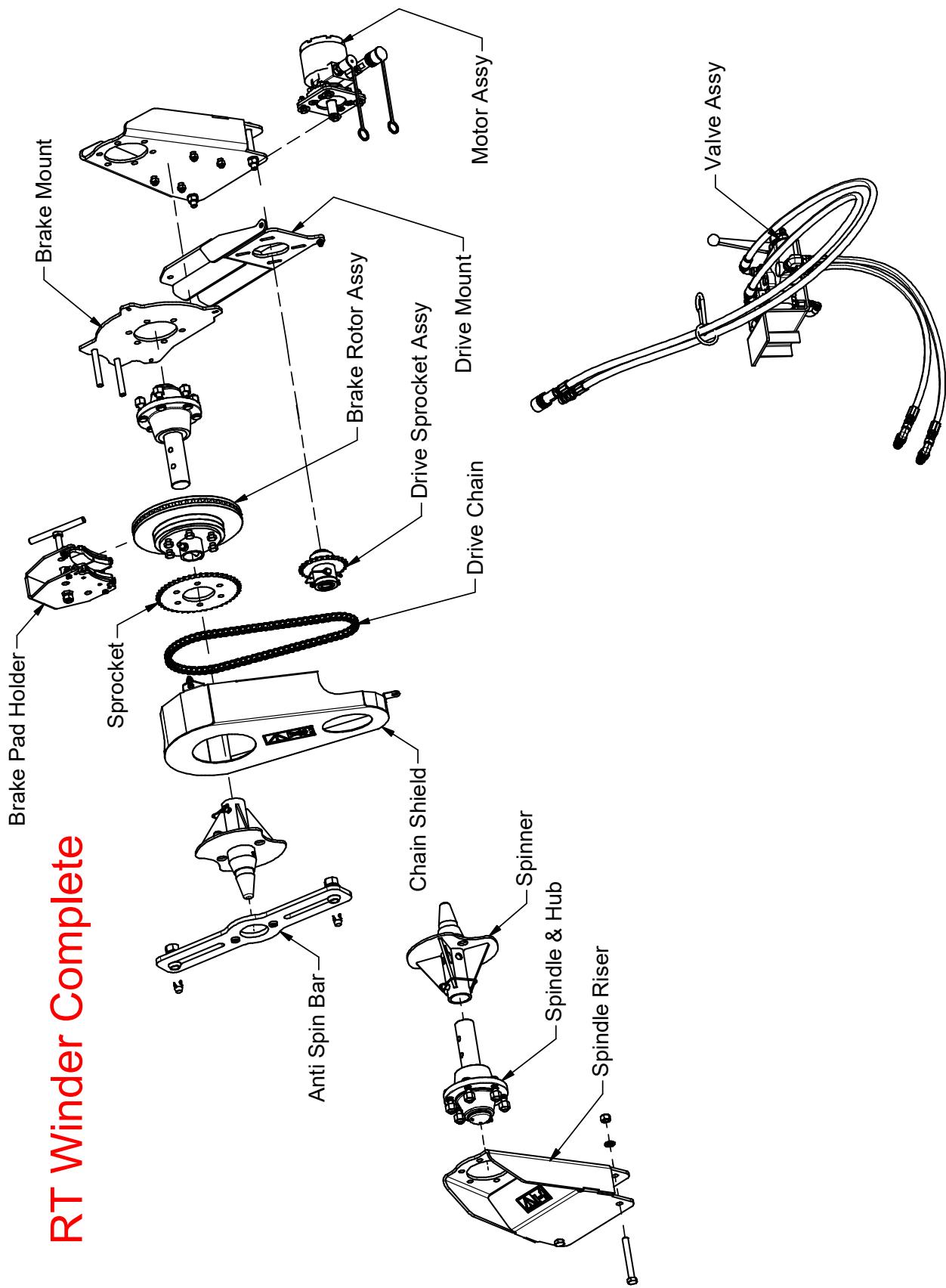


Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	1	205143	Kit, Tailboard Mount, Rear View Camera, GM
2	1	205144	Kit, Tailboard Mount, Rear View Camera, Ram
3	1	205145	Kit, Tailboard Mount, Rear View Camera, Ford
4	1	205159	Kit, Tailboard Mount, Rear Camera, Ford Box Take-Off
5	1	205304	Kit, Tailboard Mount, Rear View Camera, GM 2020 Box Removal
6	1	215400	Weldment, Tailboard Camera Mount

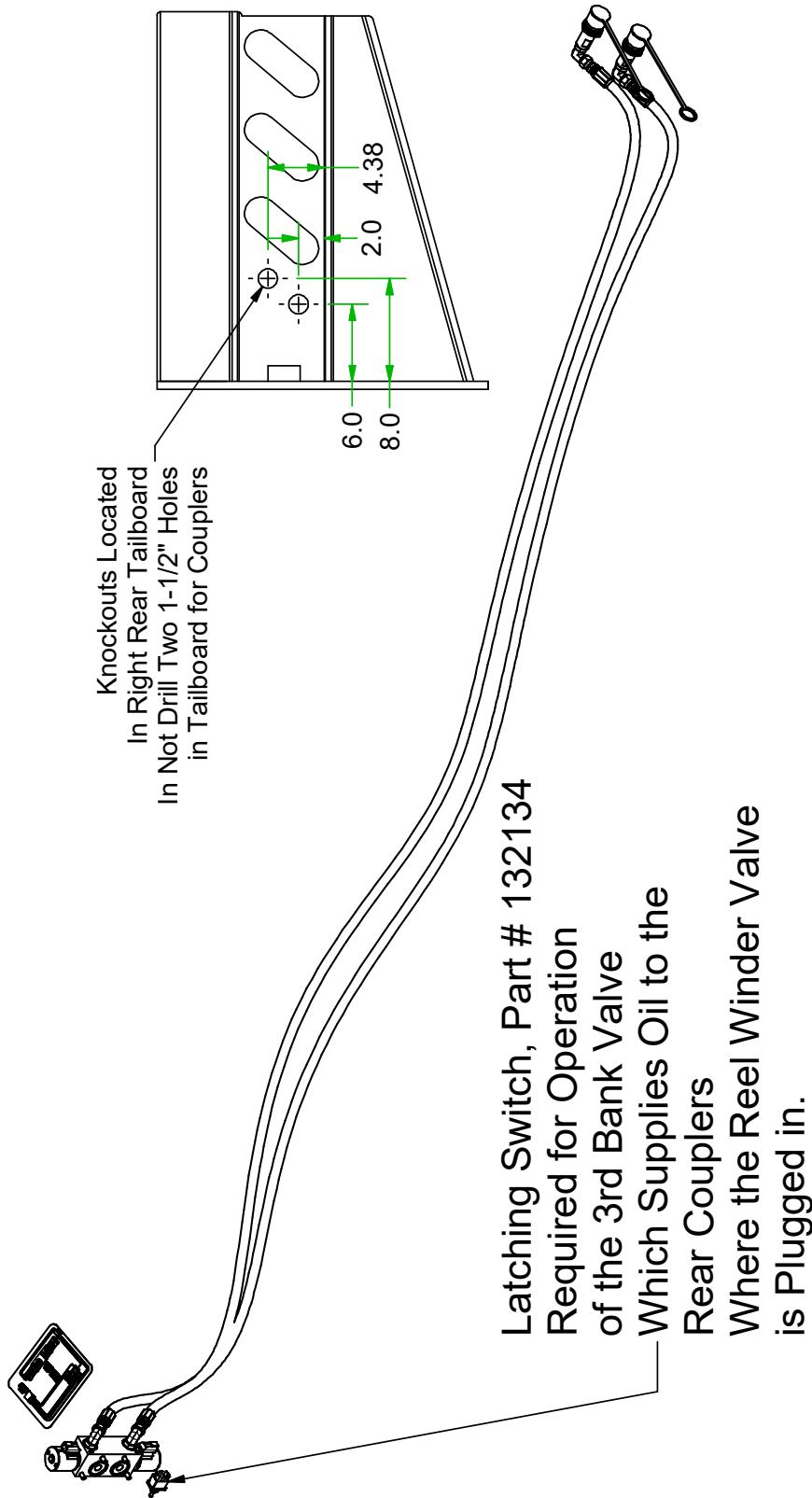
Rear View Camera Mounting Kits



RT Winder Complete



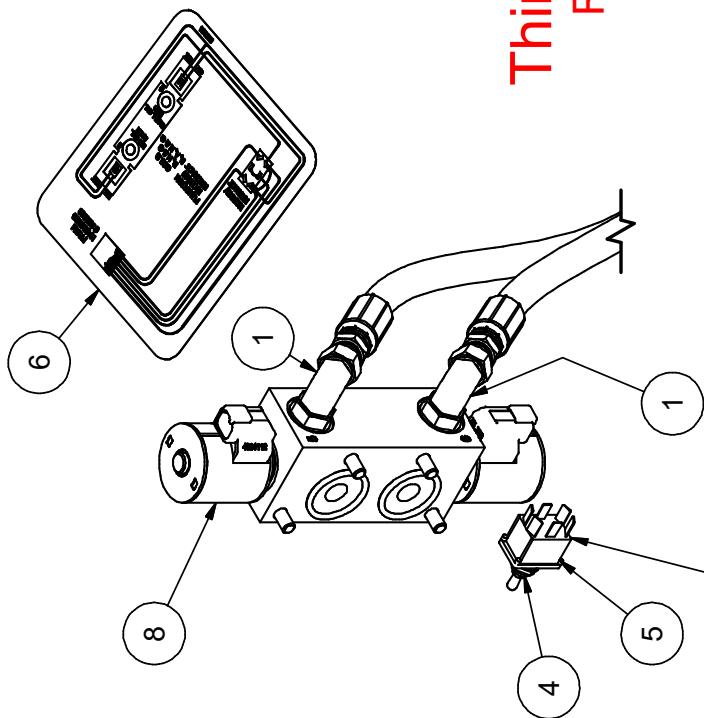
Third Bank Rear Couplers Required for Winder Option



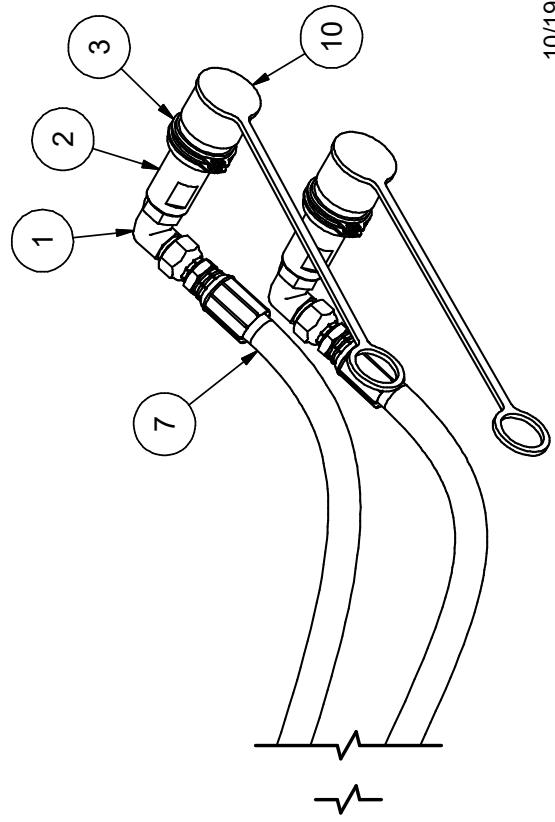
Part# 235024

ITEM	QTY	PART #	DESCRIPTION
1	4	120288	ADAPTER, 8MJ-8MB90
2	2	120581	Coupler, Pioneer Female, ORB
3	4	120583	Snap Ring, ORB Pioneer Coupler
4	1	132035	SWITCH BOOT
5	1	132127	Switch, Toggle, DPDT, (On)-OFF-(ON)
6	1	202054	Decal, 3rd Bank, Double Poppet Deutsch
7	2	220697	Hose, .50 X 183.00, 8-8jx
8	1	223045	Valve, 3rd Bank add on (223044)
9	1	232099	Harness, Flatbed 3rd Bank, Deutsch
10	2	420051	DUST PLUG, PIONEER COUPLER

* Item 9 -- Not Shown



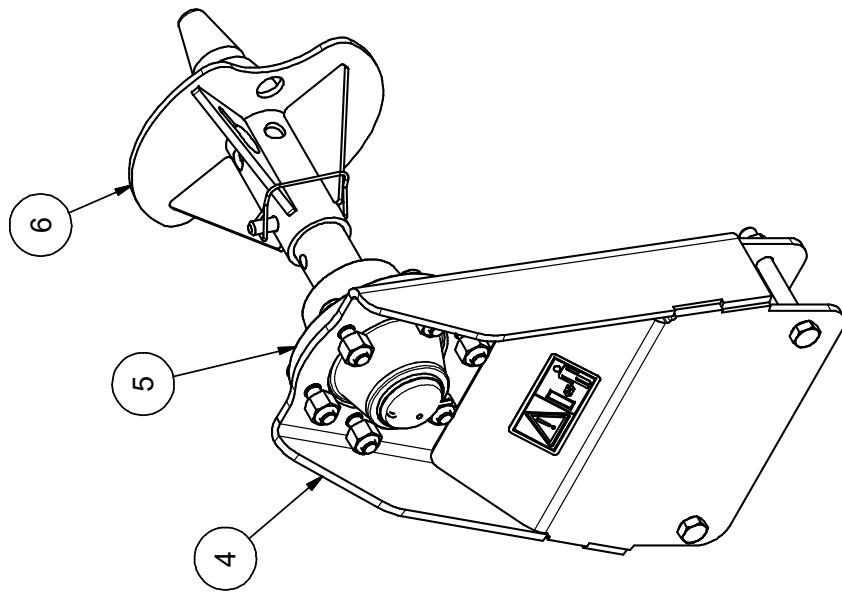
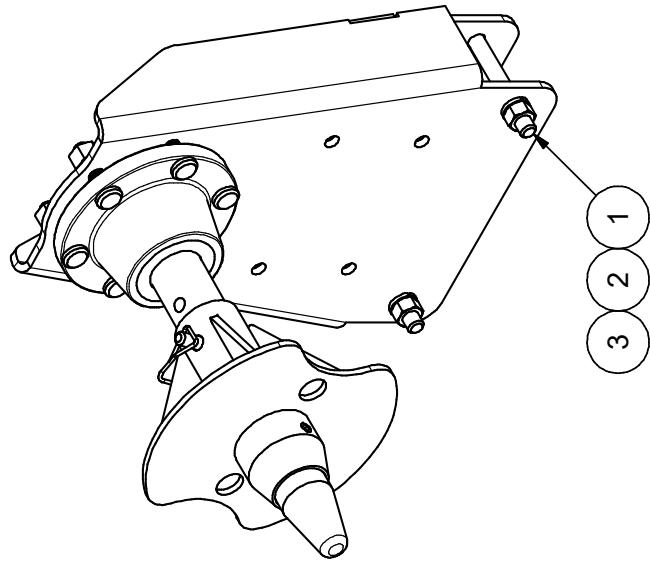
Third Bank Rear Couplers Required for Winder Option



Latching Switch, Part # 132134
Required for Operation
of the 3rd Bank Valve
Which Supplies Oil to the
Rear Couplers
Where the Reel Winder Valve
is Plugged in.

Part # 205155			
ITEM	QTY	PART #	DESCRIPTION
1	4	110407	BOLT, 5/8-11 X 5.0
2	4	110597	NUT, 5/8-11 HEX
3	4	110655	WASHER, 5/8" LOCK
4	2	205158	RT Spindle Riser, 3x4 Arm, Service Part
5	2	214004	Spindle & Hub Assembly, RT
6	2	214010	Spinner Assembly, RT

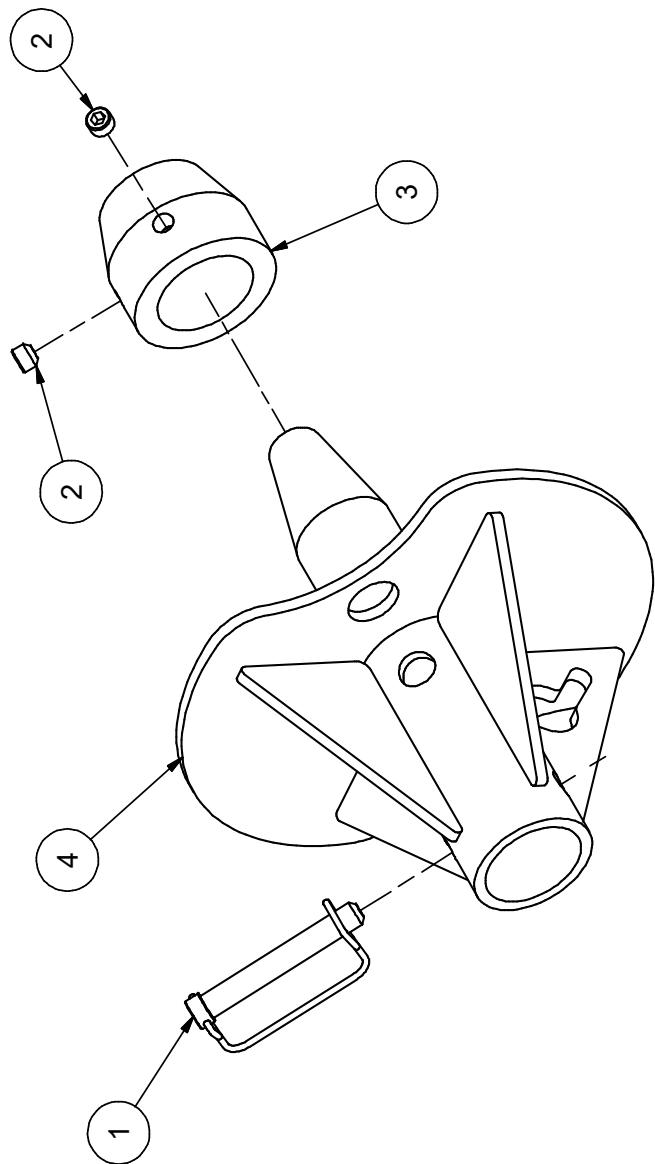
RT Spinner & Riser Assembly



Part # 214010

ITEM	QTY	PART #	DESCRIPTION
1	1	102124	Pin, Lock, .50 x 3, Grade 8, Single Wire
2	2	111174	SetScrew, 1/2-13 X 0.375
3	1	270032	Centering Cone
4	1	275019	Weldment, RT Reel Spinner

RT Reel Spinner



Part # 214004			
ITEM	QTY	PART #	DESCRIPTION
1	1	270040	Spindle, RT Reel Spinner
1.1	1	110654	Washer, 1.75 X .815 Spindle
1.2	1	110613	NUT, CASTLE 3/4-16
1.3	1	510175	COTTER PIN, 3/16 X 2
2	1	413001	HUB COMPLETE, 35-6LM
2.2	1	410104/410114	INNER RACE AND BEARING
2.3	1	410103/410115	OUTER RACE AND BEARING
2.4	1	410105	SEAL
2.5	1	410112	DUST CAP
2.6	6	113006	Stud 9/16-18
2.7	6	113007	Nut 9/16-18

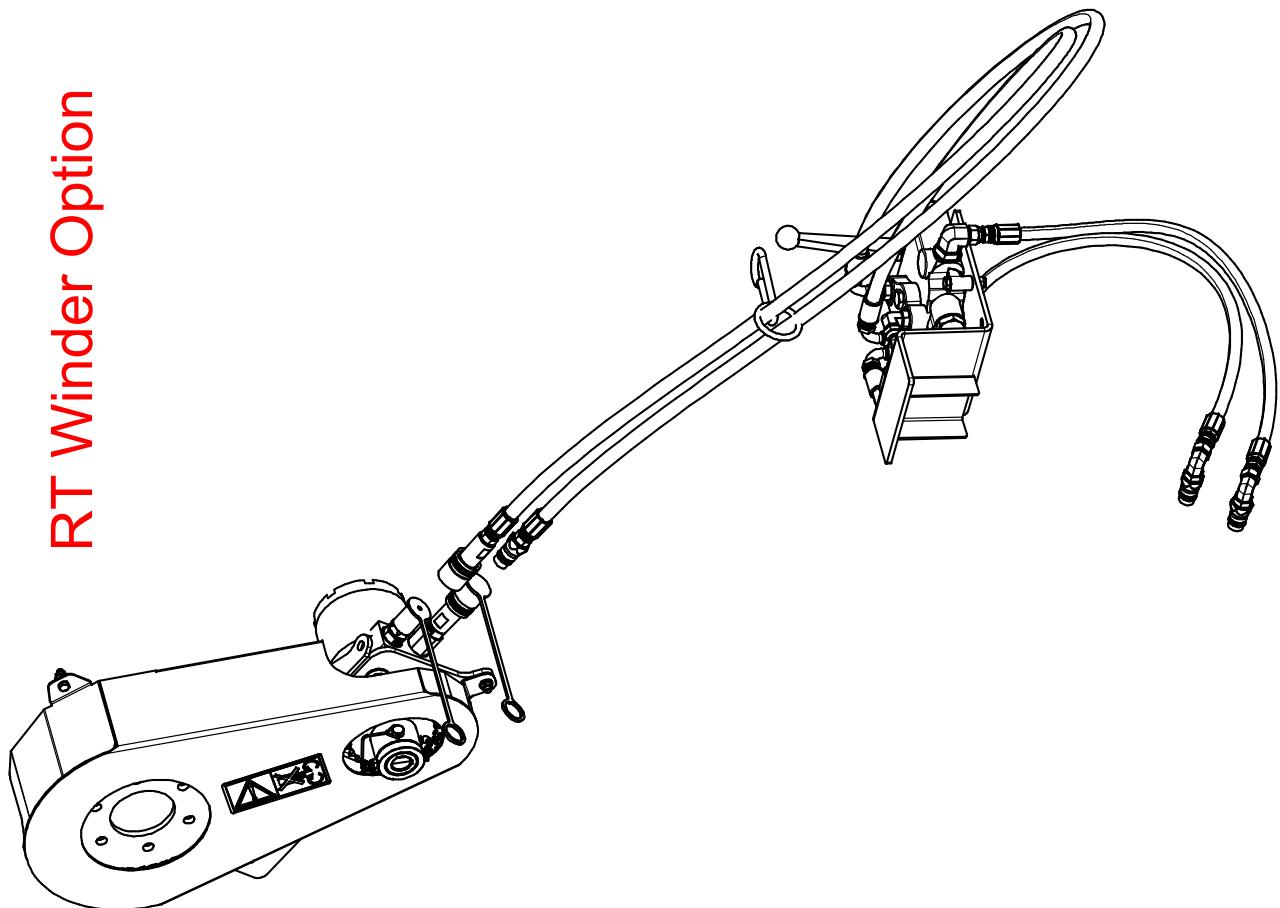
NOTE:
Pack bearing cones and lubricate seal lip with grease before assembly.

NOTE:
While rotating the rotor to ensure proper seating of the rollers, induce preload by using a torque wrench to tighten the adjusting nut to 50 foot pounds. Then loosen the adjusting nut one full turn. While continuing to rotate the rotor, re-torque the nut, this time to 10 foot pounds. Once again, loosen the adjusting nut, until the next castle opening and hole line up. Properly install and secure the cotter pin to prevent the nut from backing off.

Part # 205157

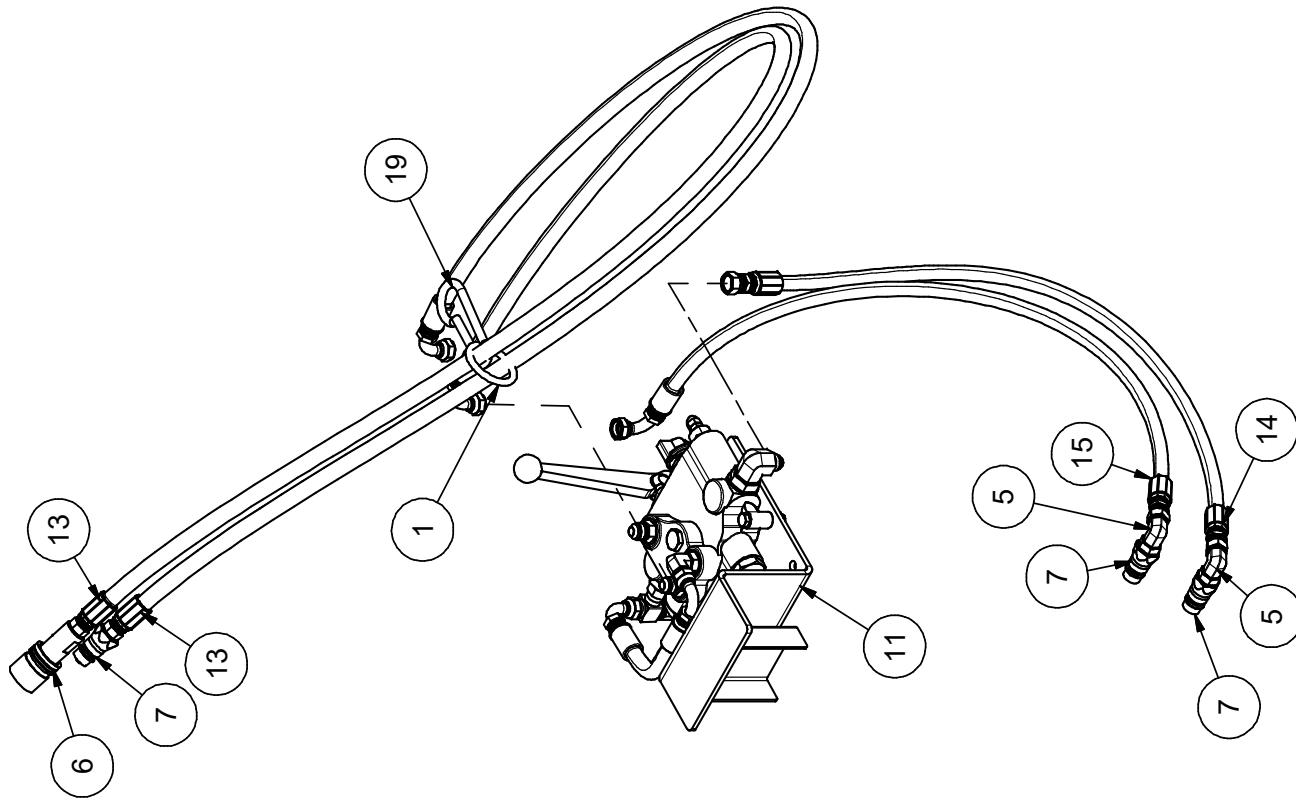
ITEM	QTY	PART #	DESCRIPTION
1	1	102128	Ring, 2"ID X 3/12, Zinc, Not For Lifting
2	4	110442	BOLT, 1/2-13 X 1-25
3	3	110606	NUT, 5/16-18 WIZ FLANGE
4	4	110615	NUT, 1/2-13, UNITORQUE LOCK
5	2	120288	ADAPTER, 8MJ-8MB90
6	1	120581	Coupler, Pioneer Female, ORB
7	3	120582	Coupler, Pioneer Male, ORB
8	1	132134	Switch, Toggle, DPDT, On-Off-On
9	1	205283	RT Chain Shield, Service Part
10	1	214008	Drive Sprocket Assembly, RT
11	1	214009	Valve Assembly, RT Winder
12	1	214011	Motor Assembly, RT Winder
13	2	220747	Hose, .50 x 99.0 8fix/90/8mb
14	1	220748	Hose, .50 x 41.0 8fix/8fix
15	1	220749	Hose, .50 x 46.0 8fix/8fix/90
16	1	240013	Chain, Drive, RT Winder
17	1	270039	Sprocket, 50A45, Reel Winder
18	1	275014	Weldment, RT Drive Mount
19	1	902208	Carabiner, 3/8", Zinc

RT Winder Option



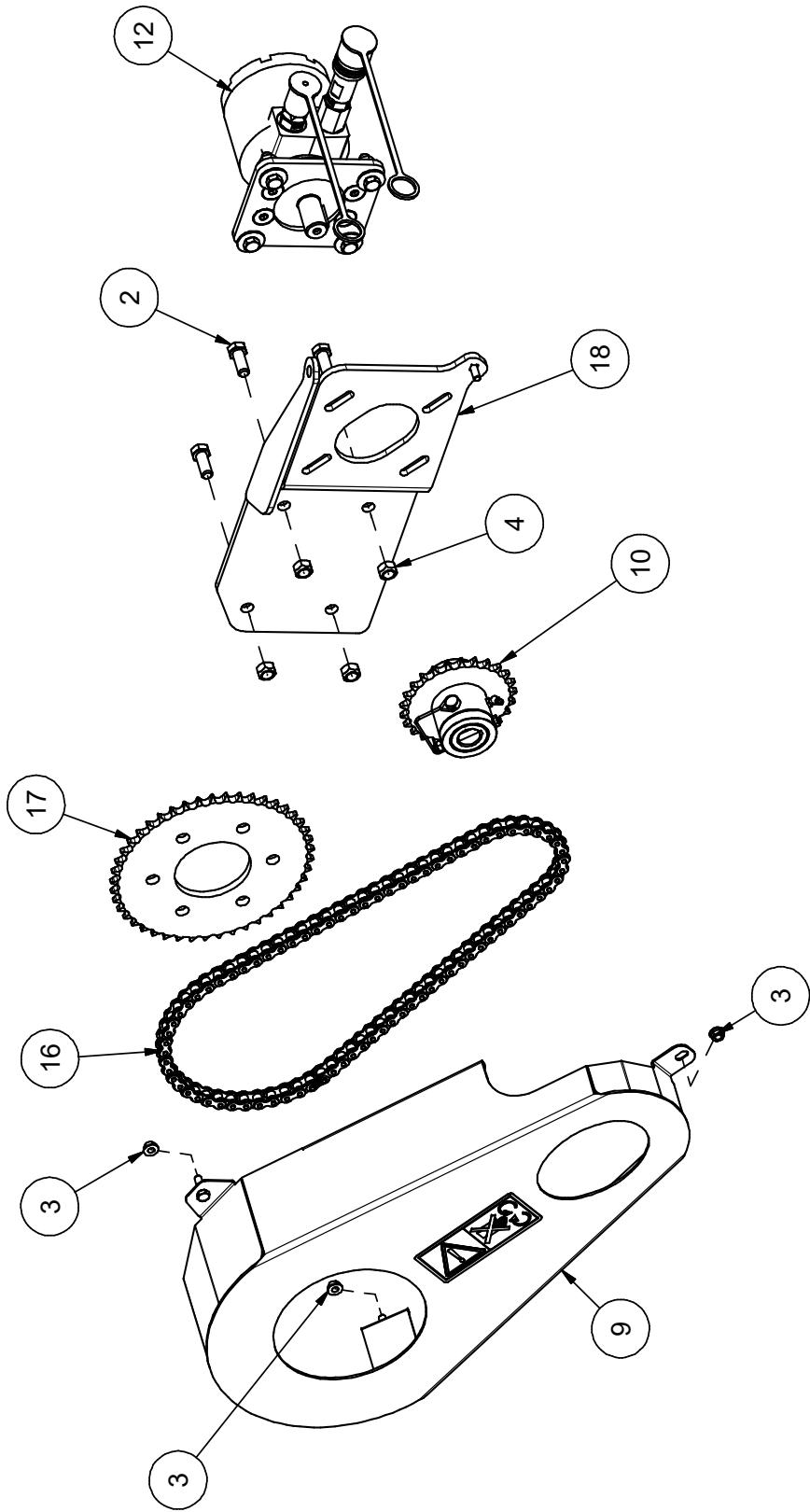
Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	1	102128	Ring, 2"ID X .312, Zinc, Not For Lifting
5	2	120288	ADAPTER, 8MI-8MB90
6	1	120581	Coupler, Pioneer Female, ORB
7	3	120582	Coupler, Pioneer Male, ORB
11	1	214009	Valve Assembly, RT Winder
13	2	220747	Hose, .50 x 99.0 8fx90/8mb
14	1	220748	Hose, .50 x 41.0 8fx/8fx
15	1	220749	Hose, .50 x 46.0 8fx/8fx80
19	1	902208	Carabiner, 3/8", Zinc

RT Winder Hoses & Fittings



RT Winder Mounting Bracket & Shield

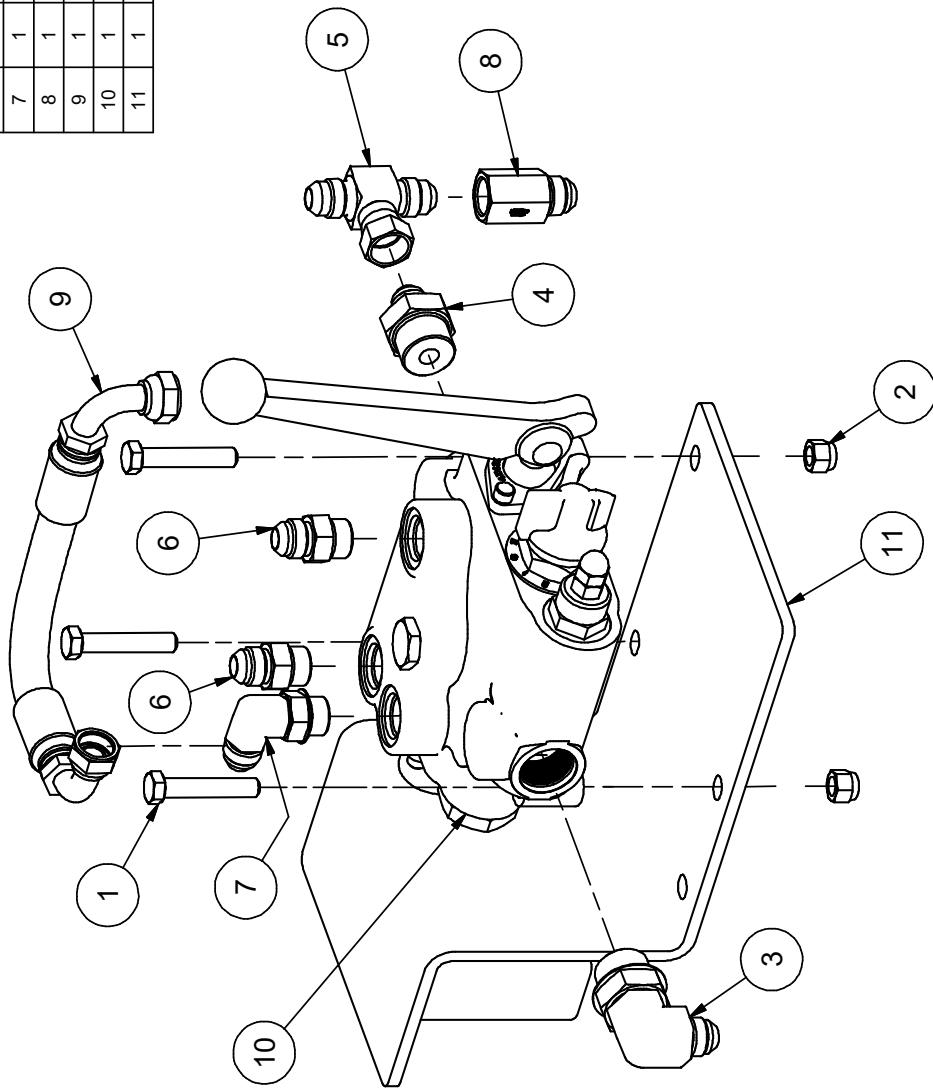
Parts List			
ITEM	QTY	PART #	DESCRIPTION
2	4	110442	BOLT, 1/2-13 X 1.25
3	3	110606	NUT, 5/16-18 WIZ FLANGE
4	4	110615	NUT, 1/2-13, UNITORQUE LOCK
10	1	214008	Drive Sprocket Assembly, RT
12	1	214011	Motor Assembly, RT Winder
16	1	240013	Chain, Drive, RT Winder
17	1	270039	Sprocket, 50A45, Reel Winder
18	1	275014	Weldment, RT Drive Mount
9	1	205283	RT Chain Shield, Service Part



RT Valve Assembly

Part # 214009

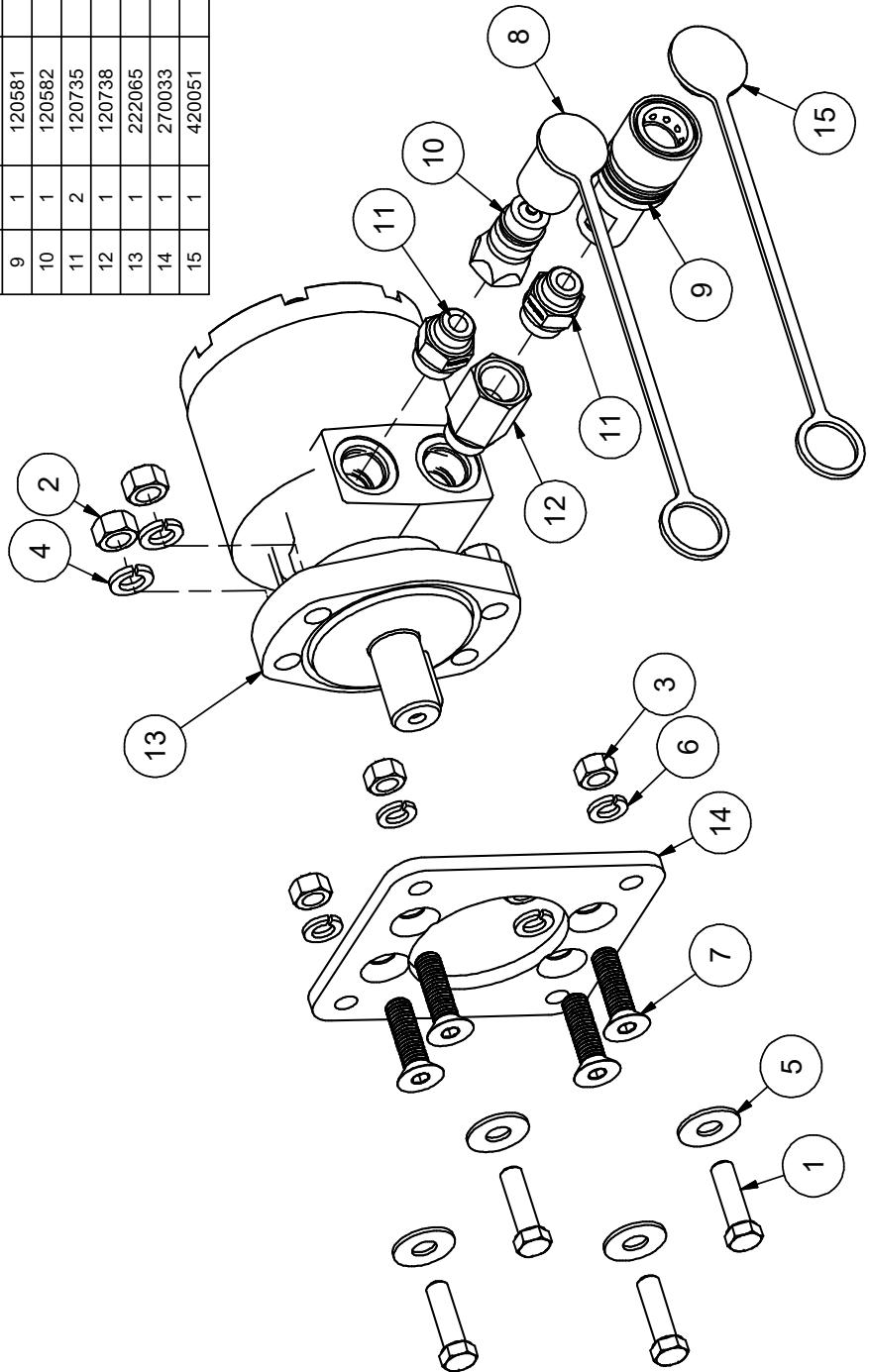
ITEM	QTY	PART #	DESCRIPTION
1	3	110400	BOLT, 3/8-16 X 2.0
2	3	110618	NUT, 3/8-16 LOCK NYLON INSERT
3	1	120246	ADAPTER, 8MJ-12MB90
4	1	120252	ADAPTER, 8MJ-12MB
5	1	120270	ADAPTER, 8MJ-8MJ-8FJX
6	2	120277	ADAPTER, 8MJ-8MB
7	1	120288	ADAPTER, 8MJ-8MB90
8	1	120535	Valve, Check, 8FJ-8MJ
9	1	220746	Hose, .50 x 10.0 8FJx90/8FJx90
10	1	223072	Valve, Spool, 1 Bank w/Flow Control
11	1	275021	Weldment, RT Valve Mount, Stake Pocket



RT Motor Assembly

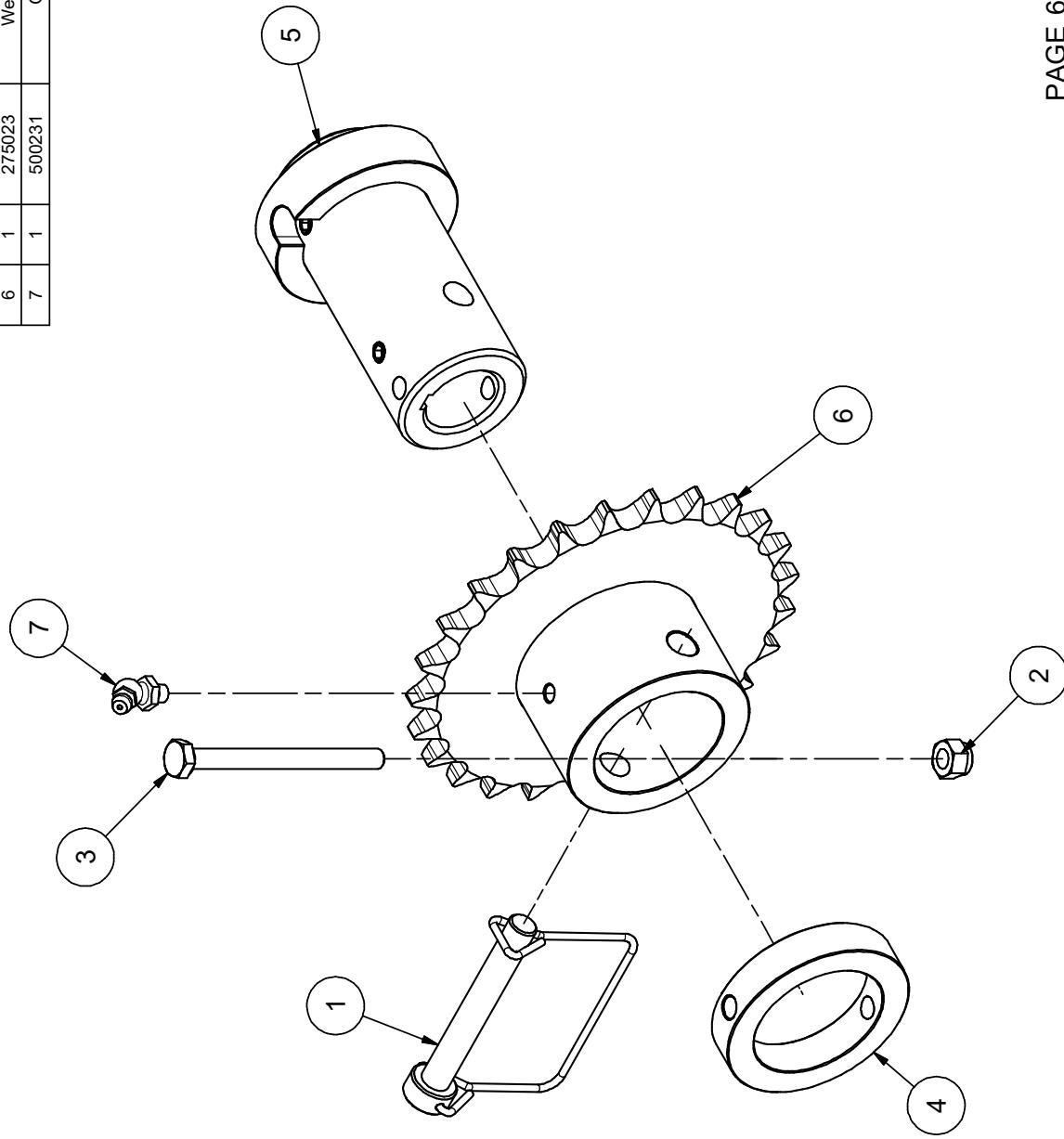
Part # 214011

ITEM	QTY	PART #	DESCRIPTION
1	4	110535	BOLT, 7/16-14 X 1.5
2	4	110610	NUT, 1/2-13
3	4	110641	NUT, 7/16-14
4	4	110666	WASHER, 1/2" LOCK
5	4	110670	WASHER, 7/16" FLAT STANDARD
6	4	110671	WASHER, 7/16" LOCK
7	4	111045	Bolt, 1/2-13 x 1.75 FHCS
8	1	112127	Dust Cap, Male Pioneer
9	1	120581	Coupler, Pioneer Female, ORB
10	1	120582	Coupler, Pioneer Male, ORB
11	2	120735	Adapter, 10mb-8mb
12	1	120738	Adapter, 10mb-10lb, Extender
13	1	222065	Motor, Hydraulic, 15.6aci
14	1	270033	Mounting Plate, RT Motor
15	1	420051	DUST PLUG, PIONEER COUPLER



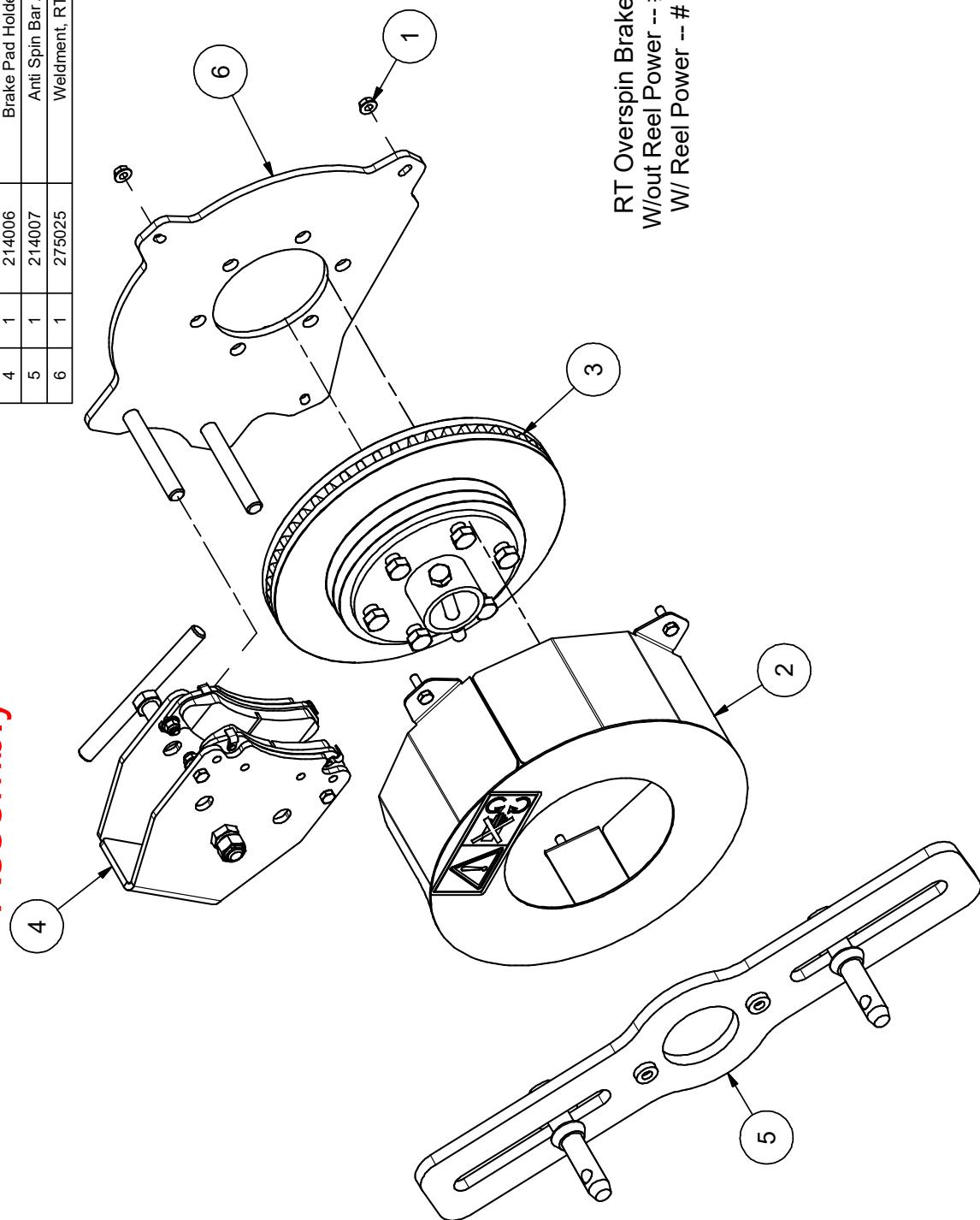
RT Drive Sprocket Assembly

Part # 214008		
ITEM	QTY	PART #
1	1	102125 Pin, Lock, .375 x 2.5, Grade 8, Single Wire
2	1	110630 NUT, 1/4-20 LOCK (NYLON INSERT)
3	1	BOLT, 1/4-20 X 3
4	1	270036 Stop Collar Outer, Drive Bushing, RT
5	1	275022 Weldment, RT Drive Bushing
6	1	275023 Weldment, RT Drive Sprocket, 5025
7	1	500231 GREASE ZERK, 1/4-28 45deg



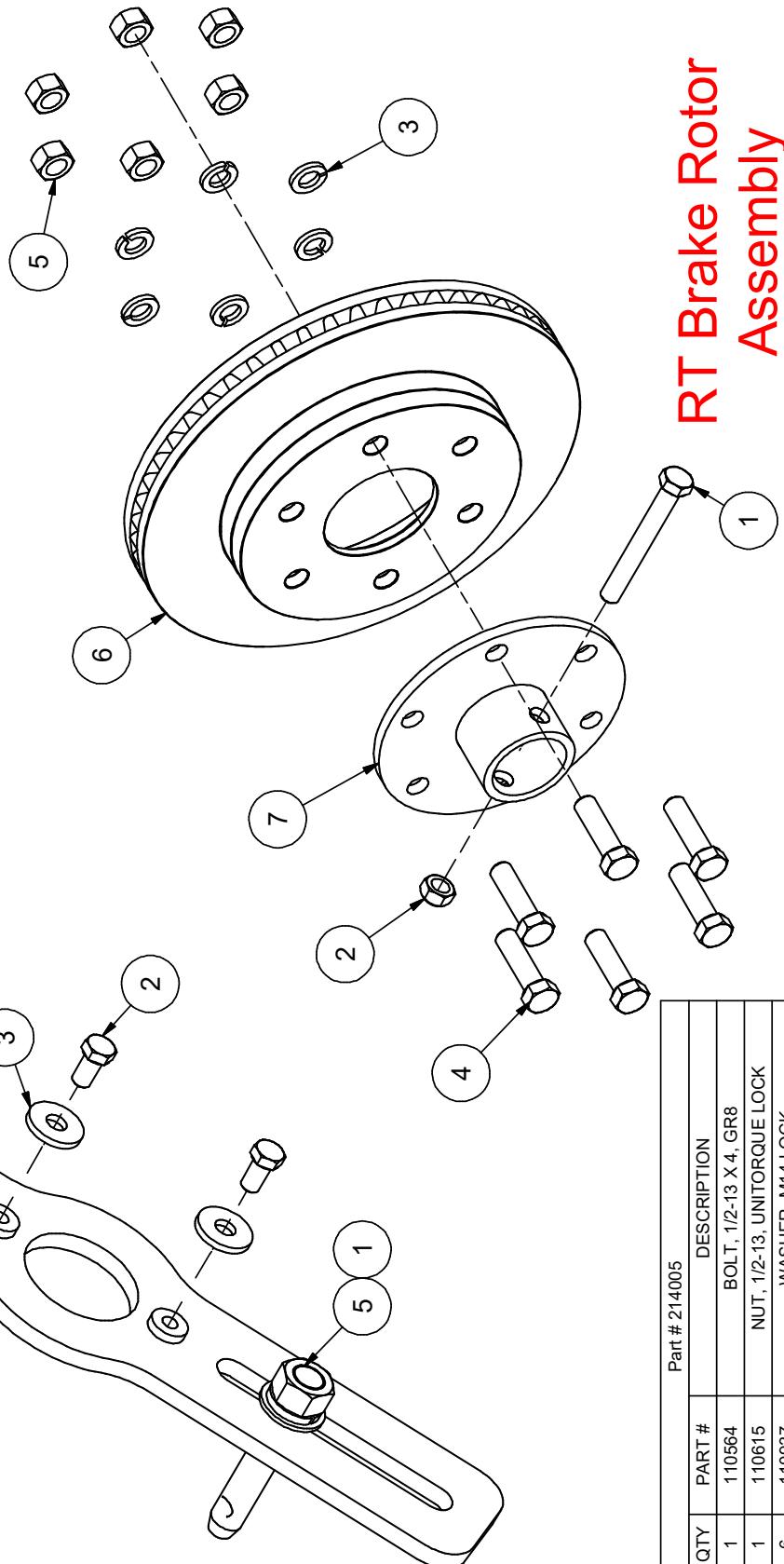
RT Overspin Brake Option Assembly

Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	3	110606	NUT, 5/16-18 WIZ FLANGE
2	1	205284	RT Brake Shield, Service Part
3	1	214005	Brake Rotor Assembly, RT
4	1	214006	Brake Pad Holder Assembly, RT
5	1	214007	Anti Spin Bar Assembly, RT
6	1	275025	Weldment, RT Brake Mount



RT Anti-Spin Bar

ITEM	QTY	PART #	DESCRIPTION
1	2	110046	WASHER, 7/8" FLAT SAE
2	2	110086	BOLT, 1/2-13 X 1.0
3	2	110660	WASHER, 1/2" FLAT SPECIAL 1.5od
4	1	275020	Weldment, RT Anti Spin Bar
5	2	910002	3-Point Pin W/ Hardware

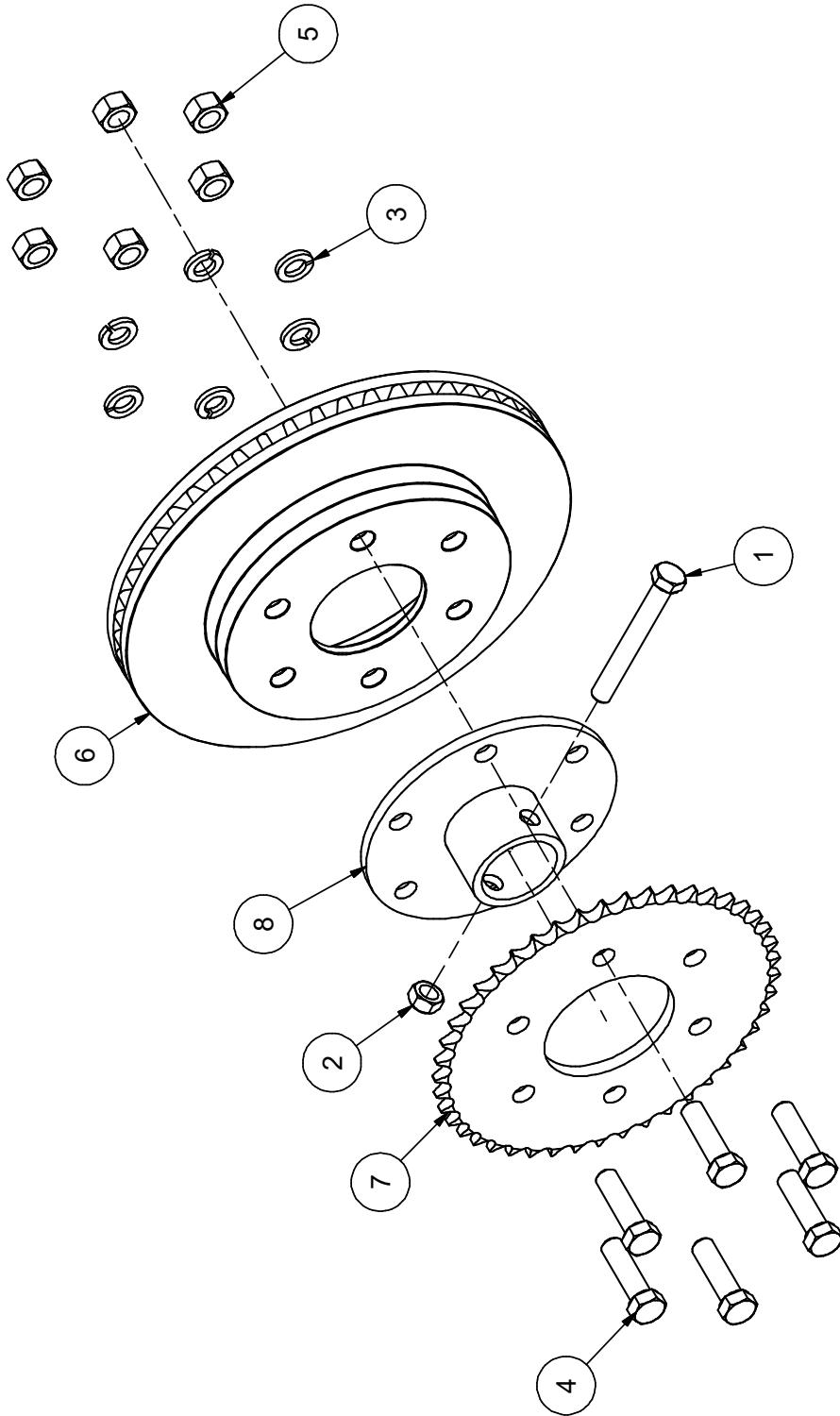


**RT Brake Rotor
Assembly**

ITEM	QTY	PART #	DESCRIPTION
1	1	110564	BOLT, 1/2-13 X 4, GR8
2	1	110615	NUT, 1/2-13, UNITORQUE LOCK
3	6	110937	WASHER, M14 LOCK
4	6	111177	Hex Cap 9-16x2 UNC
5	6	111178	NUT, 9/16-12, GR 5, Zinc
6	1	242011	Brake Rotor, RT
7	1	275018	Weldment, Disc Brake Rotor Mount

RT Brake Rotor Assembly W/ Drive Sprocket

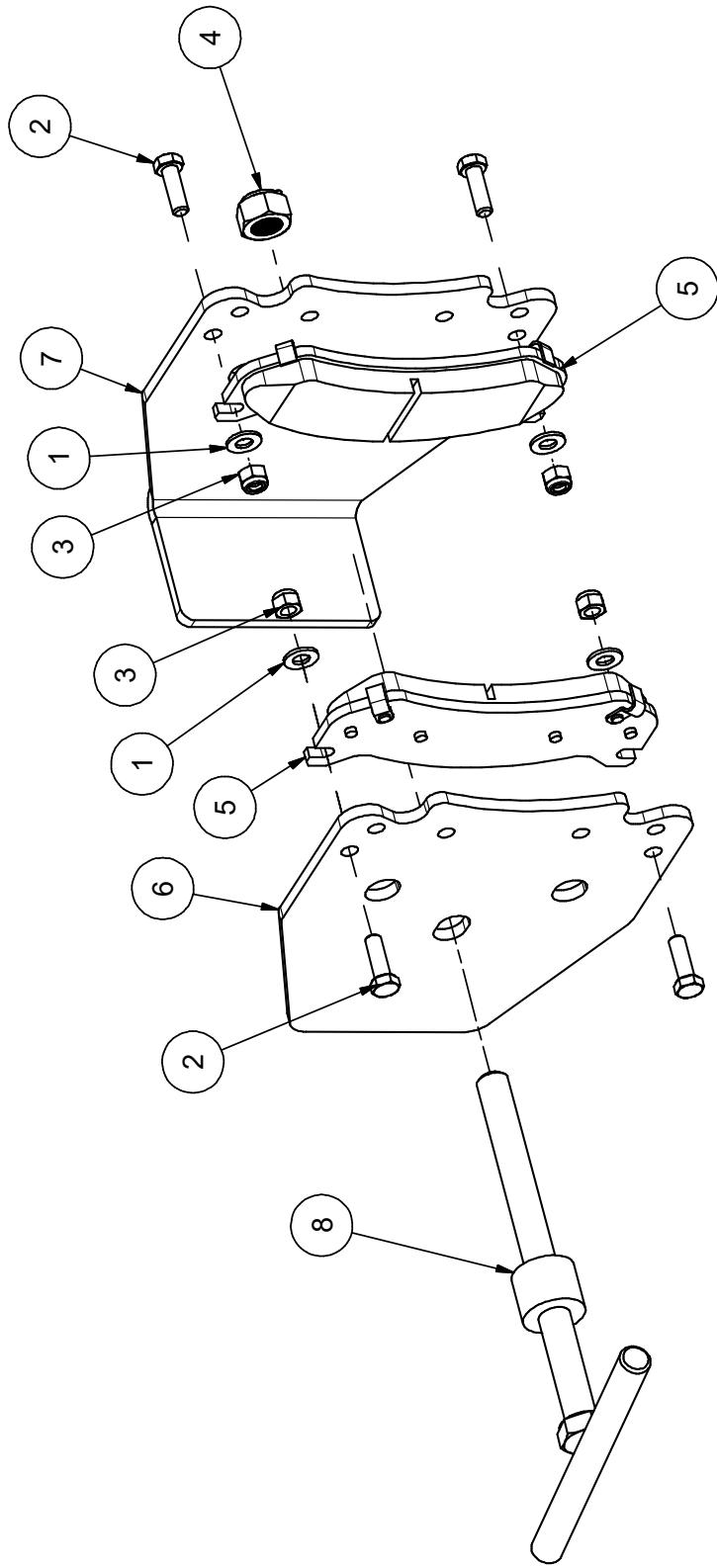
Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	1	110564	BOLT, 1/2-13 X 4, GR8
2	1	110615	NUT, 1/2-13, UNITORQUE LOCK
3	6	110937	WASHER, M14 LOCK
4	6	111177	Hex Cap 9-16x2 UNC
5	6	111178	NUT, 9/16-12, GR 5, Zinc
6	1	242011	Brake Rotor, RT
7	1	270039	Sprocket, 50A45, Reel Winder
8	1	275018	Weldment, Disc Brake Rotor Mount



RT Brake Pad Holder Assembly

Part # 214006

ITEM	QTY	PART #	DESCRIPTION
1	4	110069	WASHER, 5/16" FLAT SAE
2	4	110423	BOLT, 5/16-18 X 1.0
3	4	110603	NUT, 5/16-18 LOCK (NYLON)
4	1	111175	Nut, 5/8-18, Lock, Steel Insert
5	2	242012	Brake Pad, RT
6	1	270017	Brake Pad Holder, Outer
7	1	275016	Weldment, RT Brake Pad Holder
8	1	275017	Weldment, RT Brake Handle



PAGE 4 OF 4

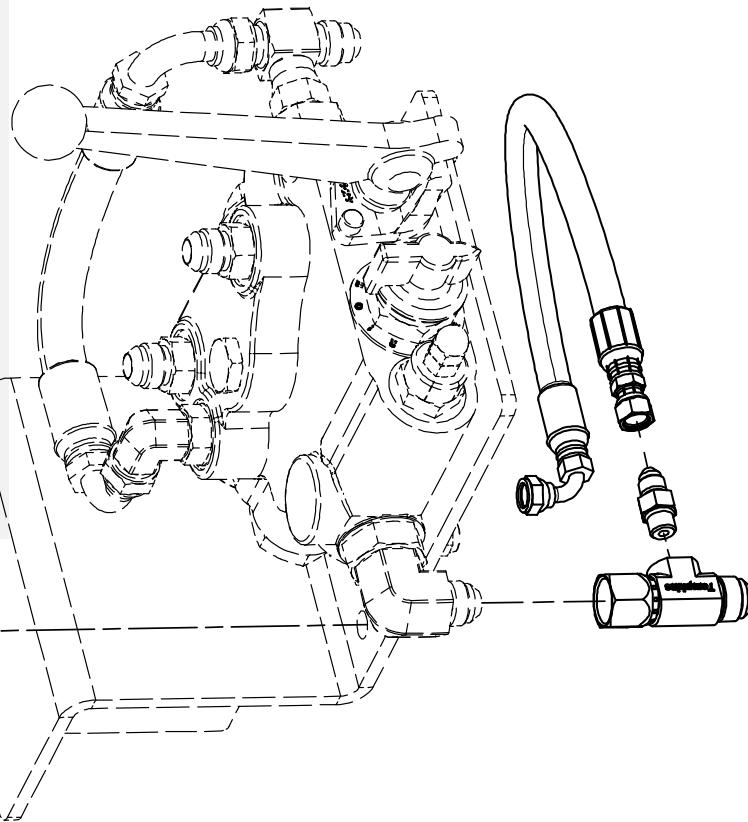
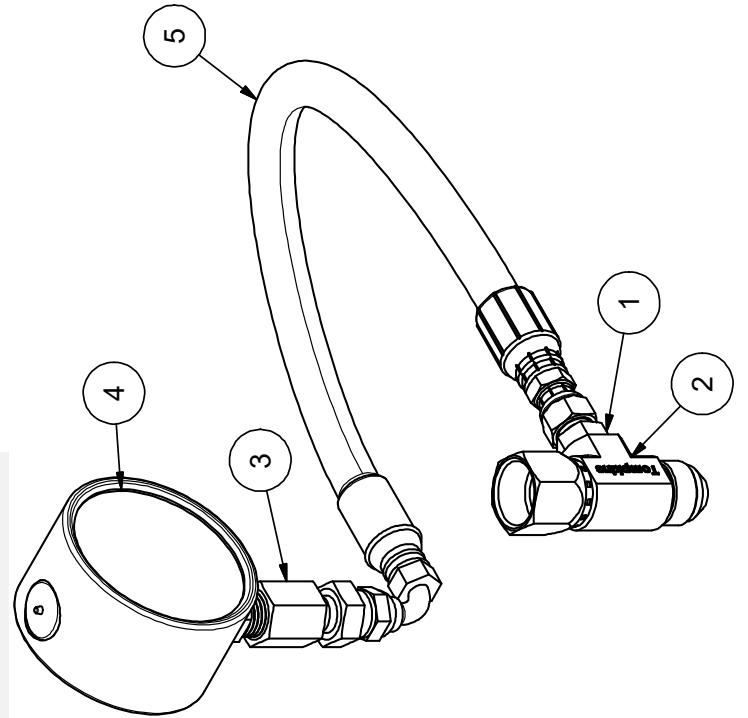
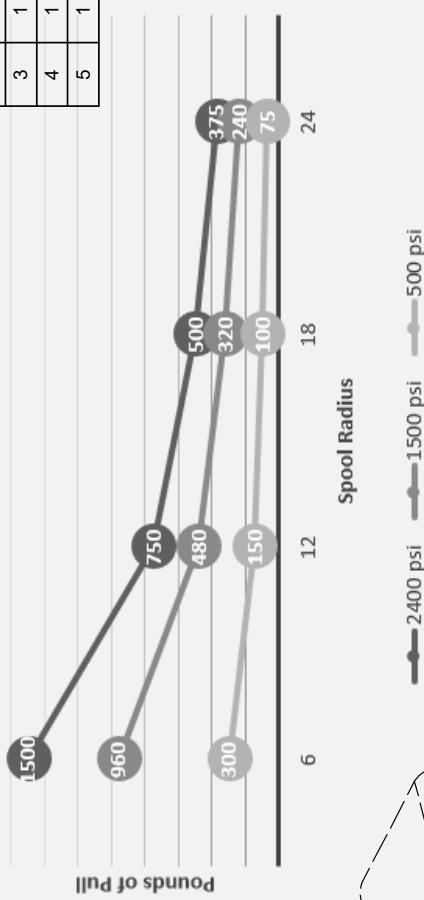
11/12/2020

Part # 205285

ITEM	QTY	PART #	DESCRIPTION
1	1	120233	ADAPTER, 4MJ-4MB
2	1	120679	Adapter, 8FJX-8MJ-4FB
3	1	120736	Adapter, 4mj-4fp, Bulkhead, w/LN
4	1	120737	Pressure Gauge, 2.5in, 3000 psi
5	1	220750	Hose, .24 x 14.0 4fx4fjx90m

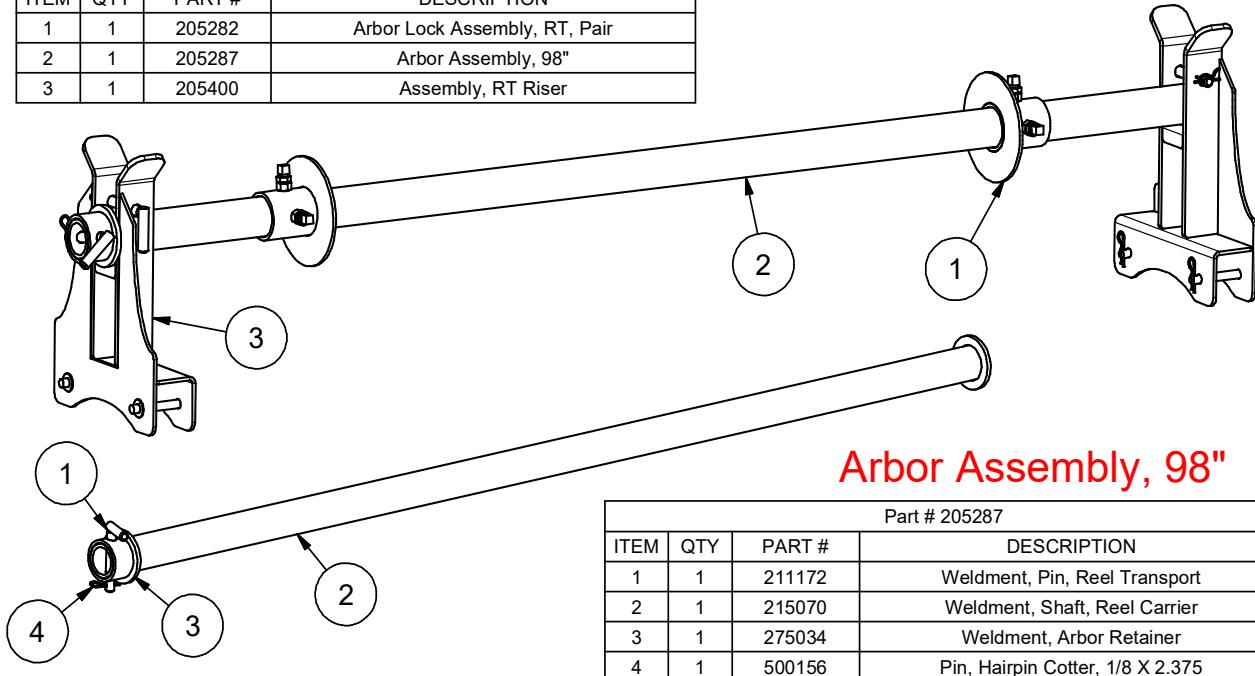
Pressure Gauge Option RT Winder Pull Force

Pull Force

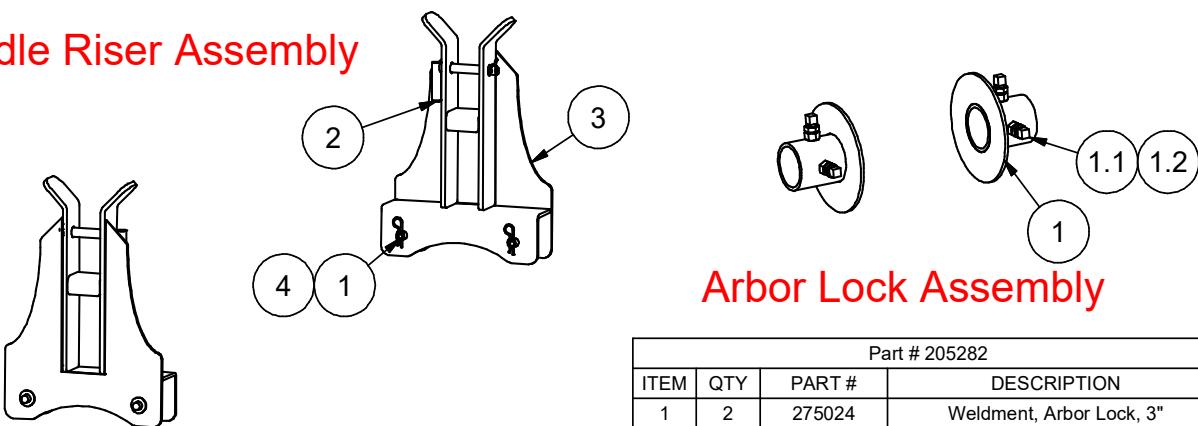


Cradle Risers, Arbor & Locks

Part # 205292			
ITEM	QTY	PART #	DESCRIPTION
1	1	205282	Arbor Lock Assembly, RT, Pair
2	1	205287	Arbor Assembly, 98"
3	1	205400	Assembly, RT Riser



Cradle Riser Assembly

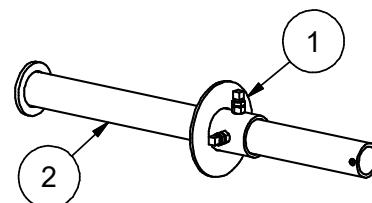
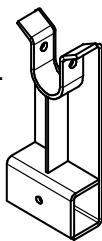


Arbor Lock Assembly

Part # 205282			
ITEM	QTY	PART #	DESCRIPTION
1	2	275024	Weldment, Arbor Lock, 3"
1.1		110039	NUT, 5/8-11 JAM
1.2		110147	Set Screw, 5/8-11 X 1 1/2 Sq Hd

205400			
ITEM	QTY	PART #	DESCRIPTION
1	4	211171	Weldment, Pin, Reel Transport
2	2	211172	Weldment, Pin, Reel Transport
3	2	215442	WELDMENT, RT RISER
4	6	500156	Pin, Hairpin Cotter, 1/8 X 2.375

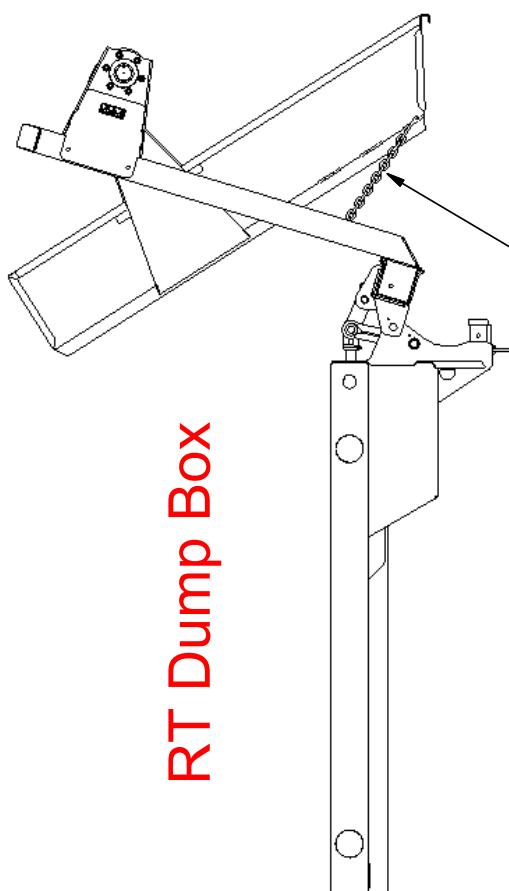
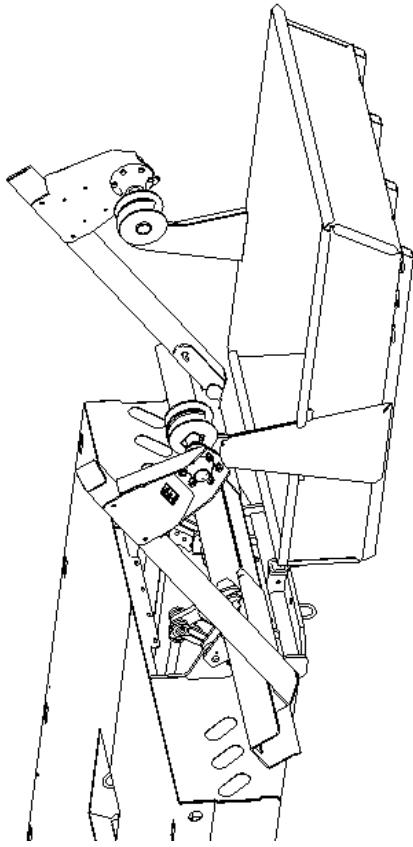
*** Old Cradle (211229) is Obsolete.
If Replacing Will Need
Pair of New Style (205400).
Pins are the same.



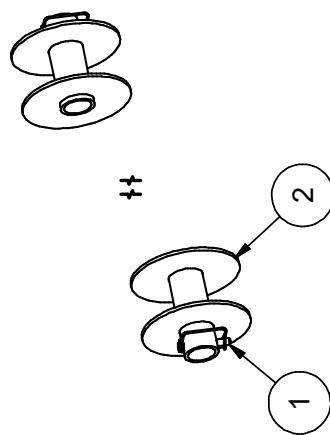
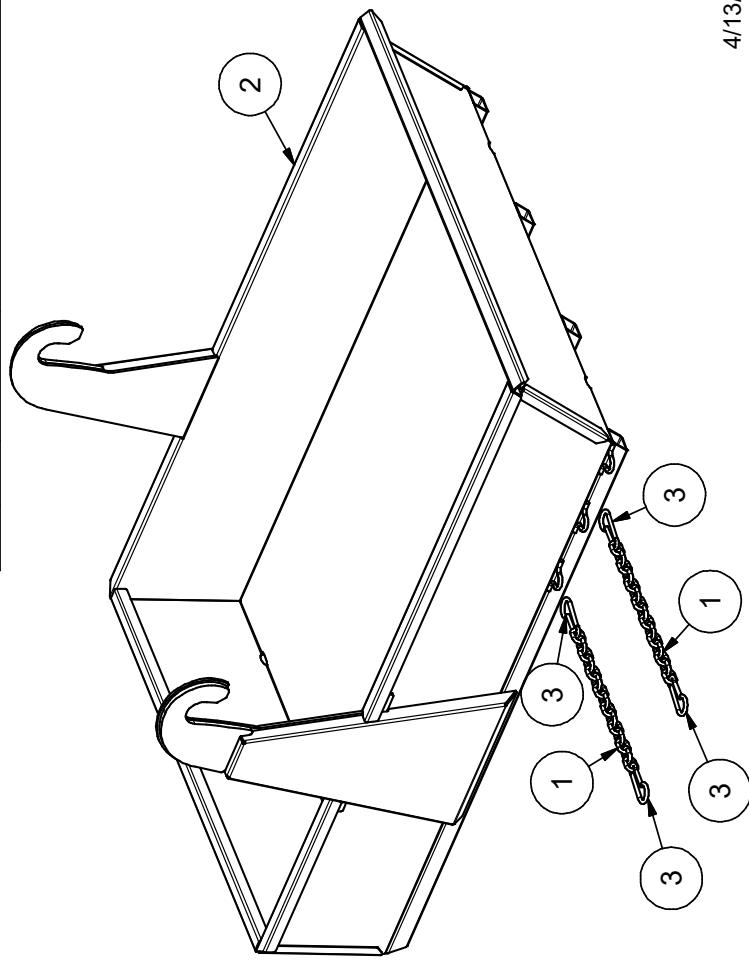
205401			
ITEM	QTY	PART #	DESCRIPTION
1	1	275024	Weldment, Arbor Lock, 3"
2	1	275047	Weldment, RT Arbor Adapter

6/14/2022

RT Dump Box



Part# 206378			
ITEM	QTY	PART #	DESCRIPTION
1	2	270076	Chain, 3/8 Coil, 15 Links
2	1	275028	Weldment, RT Dump Box
3	4	902208	Carabiner, 3/8", Zinc



Part# 205383			
ITEM	QTY	PART #	DESCRIPTION
1	2	102124	Pin, Lock, .50 x 3, Grade 8, Single Wire
2	2	275029	Weldment, RT Dump Box Spinner

DewEze

RT FLATBED

Appendix I – GatorHyde

GatorHyde Repair Instructions

Required items:

- 1 – 25 x 25 ml caulking gun (202030)
- 1 – 25 x 25 ml cartridge set of GatorHyde Repair Material (202031)
- 1 – ¼” x 6” mixing wand (202032)
- 1 – pair of rubber gloves
- 1 – wooden stick
- 1 – Instruction sheet and MSDS sheet
- 1 – MEK – methyl ethyl ketone solvent (available at most hardware stores)
- 1 – small paint brush
- 2 – plastic cups



⚠ SAFETY WARNING!

Read the Master Safety Data Sheets (MSDS) on all chemicals before handling any chemical.
See: <http://www.msds.com>

Note:

This repair is designed to easily fix small, damaged areas fast and with limited amount of effort. However this product is fast reacting so make sure to thoroughly read this instruction sheet before proceeding with repairs.

Application Instruction:

- Step 1.** Before you start, put on rubber gloves and safety glasses.
- Step 2.** Place a piece of cardboard or newspaper next to the repair area prior to opening and mixing the material.
- Step 3.** Cut back damaged area with a razor knife to make a square.
- Step 4.** Sand area and feather edges with 40 grit sandpaper. Blow out sanded area to get rid of dust.
- Step 5.** Clean area well with MEK solvent and allow to dry for 30 minutes.
- Step 6.** Attach static mixing wand to 25 x 25 ml cartridge set, twist and lock in place. Insert cartridge into caulking gun.
- Step 7.** Hold the caulking gun in an upright position in one hand, then set the two plastic cups on a flat surface side by side. Next point the static mixing wand into a cup and squeeze the trigger of the gun two times so a small amount of material is discharged into the cup. (Note! This material is to be discarded.) Immediately move the static mixing wand over and point it into the next cup and continue to discharge the remaining amount of material into this cup.
- Step 8.** Allow the material to set in cup and gently stir with wooden stick for a period of 1 to 1 ½ minutes or until the GatorHyde becomes thicker and will stick to either a finger or wooden stick.
- Step 9.** Once material has begun to gel, apply enough product to finger or a stick and immediately dab onto damaged area. Use the paint brush to dab the area in a vertical manner to make a textured surface.

Cure time. Allow repaired area to cure for a period of 1 hour prior to heavy impact loading.

Clean-up. In order to clean up the area take a paper sack or plastic trash bag and place all the empty jars and remaining contents of the repair kit and dispose into a standard trash can or simply put everything back in the box and throw away.

GatorHyde Protective Coatings, Inc., 2210 South Highway 69, Wagoner, OK 74467 * (918) 485-2835 *
www.gatorhyde.com

Appendix II

Remote Control

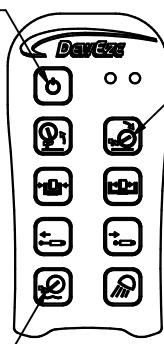
SYNCHRONIZING TRANSMITTER AND RECEIVER

POWER

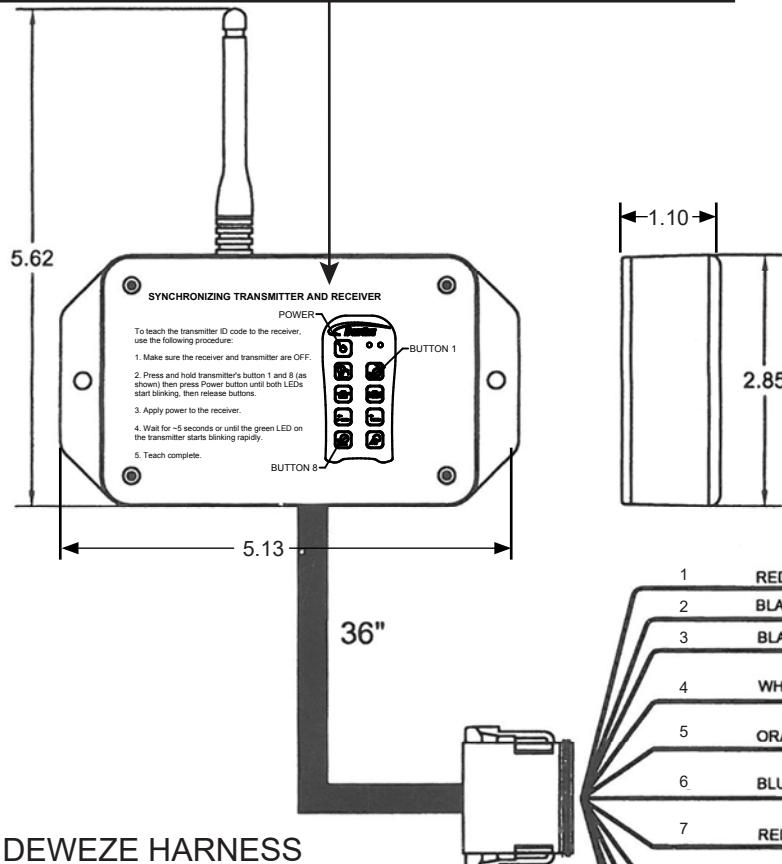
To teach the transmitter ID code to the receiver, use the following procedure:

1. Make sure the receiver and transmitter are OFF.
2. Press and hold transmitter's button 1 and 8 (as shown) then press Power button until both LEDs start blinking, then release buttons.
3. Apply power to the receiver.
4. Wait for ~5 seconds or until the green LED on the transmitter starts blinking rapidly.
5. Teach complete.

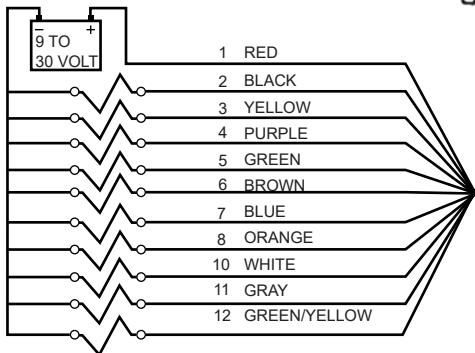
BUTTON 8



BUTTON 1



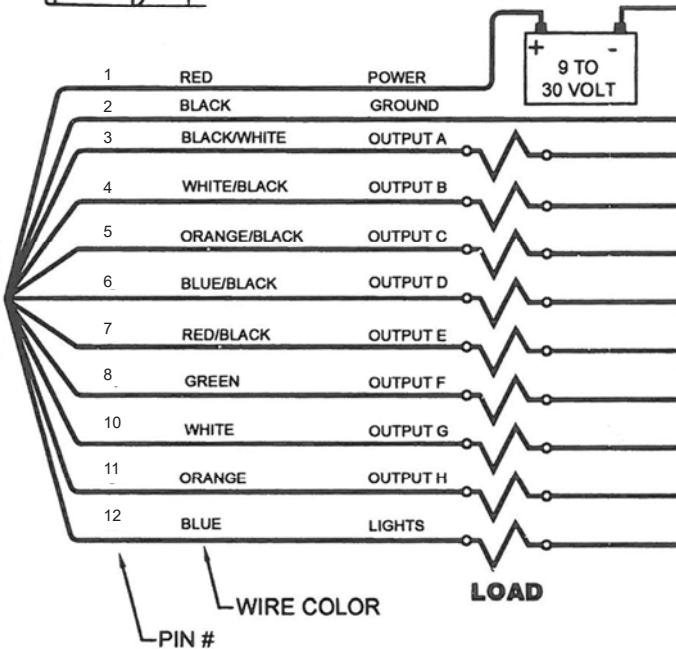
DEWEZE HARNESS

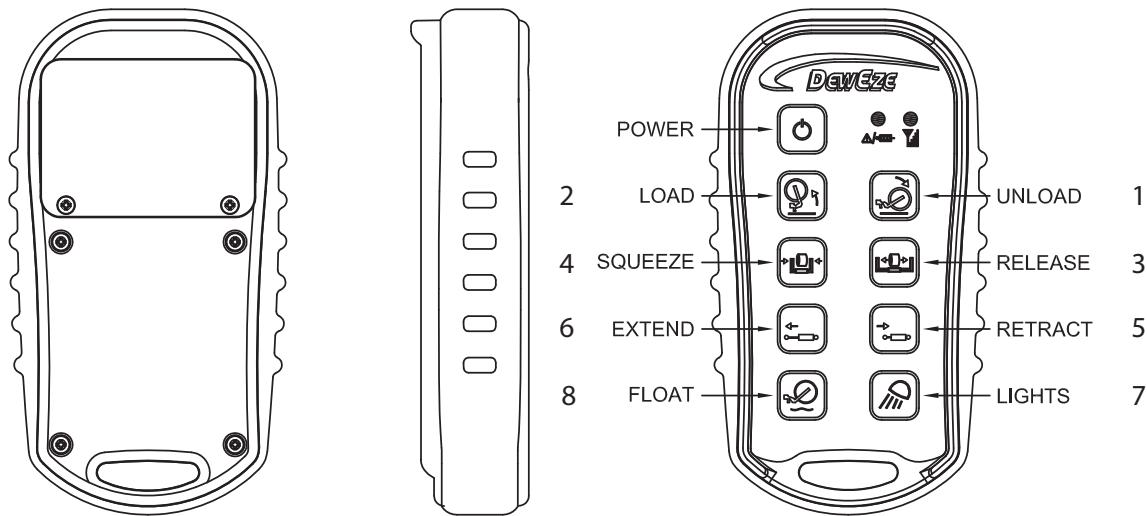


TRANSMITTER ERROR CODE CHART

ERROR CODE	PROBABLE CAUSE
1	LOW BATTERY
2	FAULTY CIRCUIT TO OUTPUT A
3	FAULTY CIRCUIT TO OUTPUT B
4	FAULTY CIRCUIT TO OUTPUT C
5	FAULTY CIRCUIT TO OUTPUT D
6	FAULTY CIRCUIT TO OUTPUT E
7	FAULTY CIRCUIT TO OUTPUT F
8	FAULTY CIRCUIT TO OUTPUT G
9	FAULTY CIRCUIT TO OUTPUT H
10	FAULTY CIRCUIT TO LIGHT OUTPUT

ERROR CODE NUMBER IS THE NUMBER OF RED LIGHT BLINKS BETWEEN EVERY PAUSE.





TRANSMITTER (P/N: 3A1518C)

Uses 2 AA
Alkaline batteries.

SYSTEM OPERATION:

Press and hold the power button on the transmitter until both LEDs turn on, then release. The green LED will flash rapidly when communication has been established. When the receiver is off, the red LED will flash slowly indicating this. With the receiver on, press the corresponding buttons on the transmitter keypad to turn on and off each of the outputs.

CLONING:

1. On transmitter A (the teacher), press the POWER button, UNLOAD, and FLOAT simultaneously. At this point, both LEDs will flash on the first transmitter.
2. On transmitter B (the learner), press the POWER button to turn it on, then press LOAD, RELEASE, SQUEEZE, and FLOAT simultaneously. Both green and red LEDs will begin flashing.
3. Release buttons and wait for 1 second or until the green and red LEDs stop flashing on both units. Both transmitters will have the same ID at this point.

SLEEP TIME

The transmitter is factory set to turn off (sleep) after 15 minutes. To change the time the transmitter waits before going to sleep, use the following procedure:

1. On the transmitter, press and hold POWER and buttons 3, 4, and 8
2. Release the buttons. At this point, both lights will blink once per second
3. On the transmitter, press one of the following buttons to adjust the sleep time:
 - a. 1 = 15 min
 - b. 2 = 30 min
 - c. 3 = 1 hr
 - d. 4 = 2 hr
 - e. 8 = sleep disabled
4. Sleep time programming complete

INDICATOR LIGHTS:

The transmitter has two LED indicators, the red **BATTERY/DIAGNOSTIC** indicator and the green **TRANSMIT** indicator.

The green **TRANSMIT** indicator flashes rapidly whenever there is communication between the transmitter and the receiver.

The red **BATTERY/DIAGNOSTIC** indicator starts blinking once every second when the battery voltage is low and requires replacement. It also blinks when there is a problem with the system in the form of an error code. Refer to the **ERROR CODE CHART** tables for more information.

Note: To check for low battery, turn the receiver off and leave the transmitter on. If the transmitter red LED continues to blink, the battery is low and requires replacement. If the red LED blinks only when the receiver is on, count the number of blinks and refer to ERROR CODE CHART tables for additional information.

TEACH ID CODE:

To teach the transmitter ID code to the receiver, use the following procedure:

1. Make sure the receiver and transmitter are OFF.
2. Press and hold transmitter's button 1 and 8 then press Power button until both LEDs start blinking then release buttons.
3. Apply power to the receiver.
4. Wait for ~5 seconds or until the green LED on the transmitter starts blinking rapidly.
5. Teach complete.

SPECIFICATIONS:

RF Transmit power (EIRP): 10 mW

RF Frequency: 902-928 MHz

Operating temperature - Radio: -40C to +85C

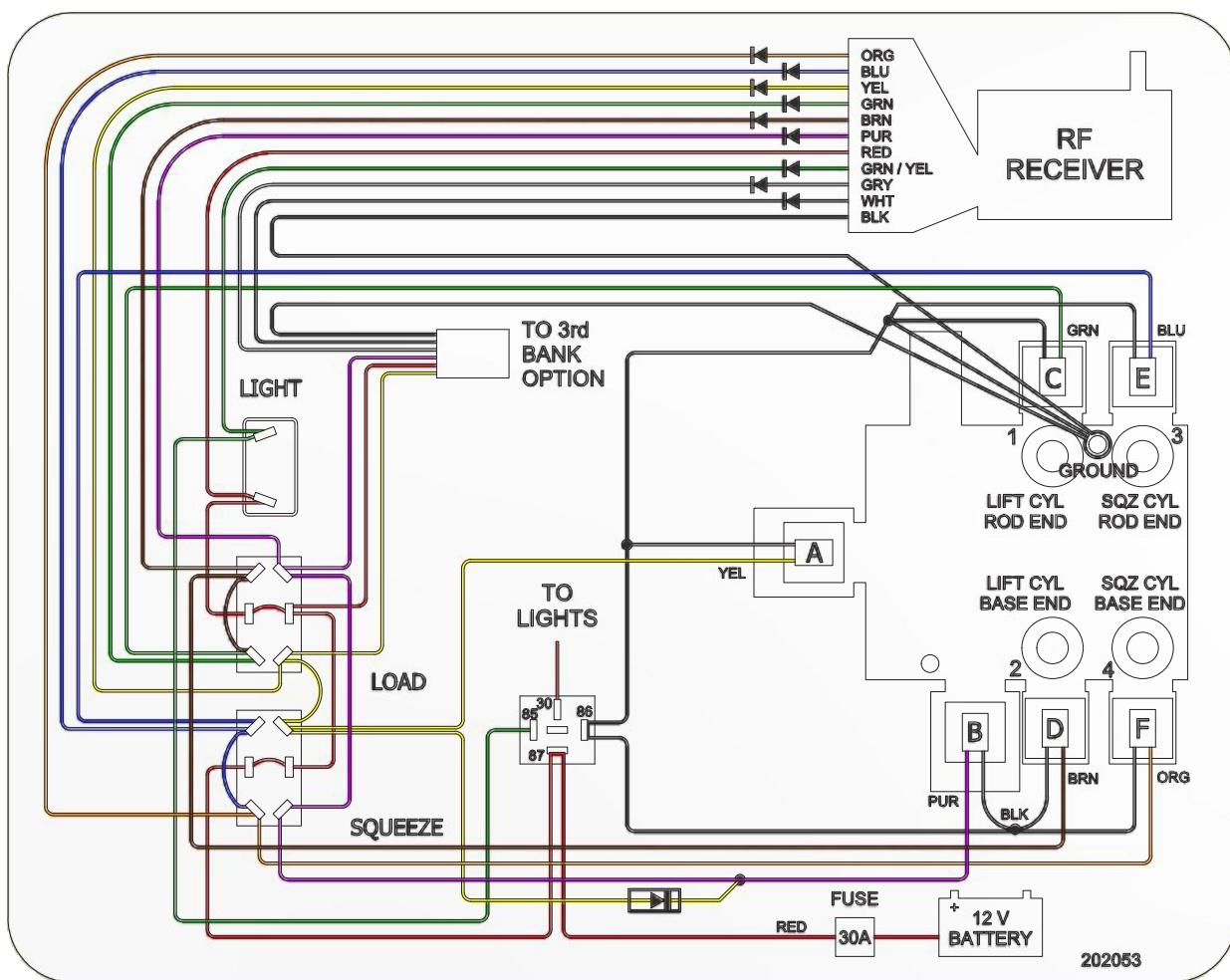
Battery life (min): 30 hours continuous.

Vibration: 3G to 200Hz

Outputs: 5A max each (20A system max)

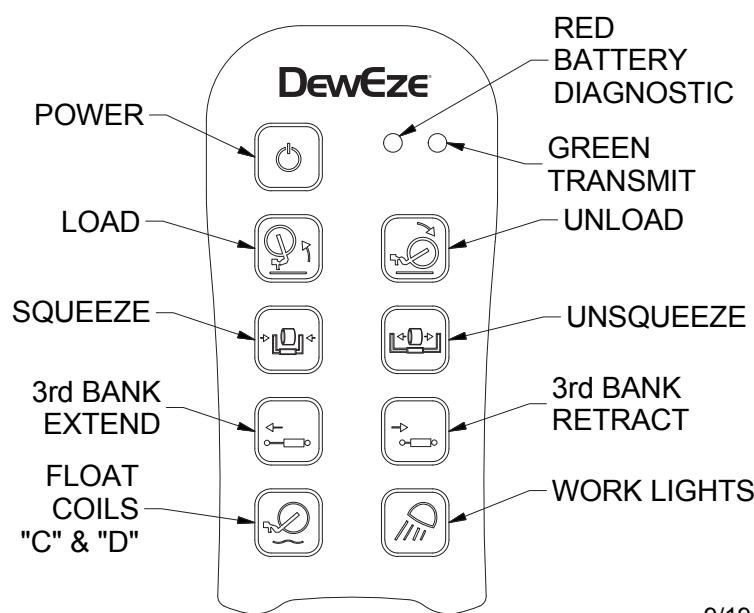
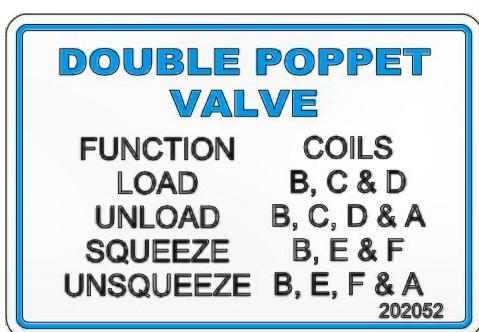
2 Bank Wiring, Kar-Tech Remote

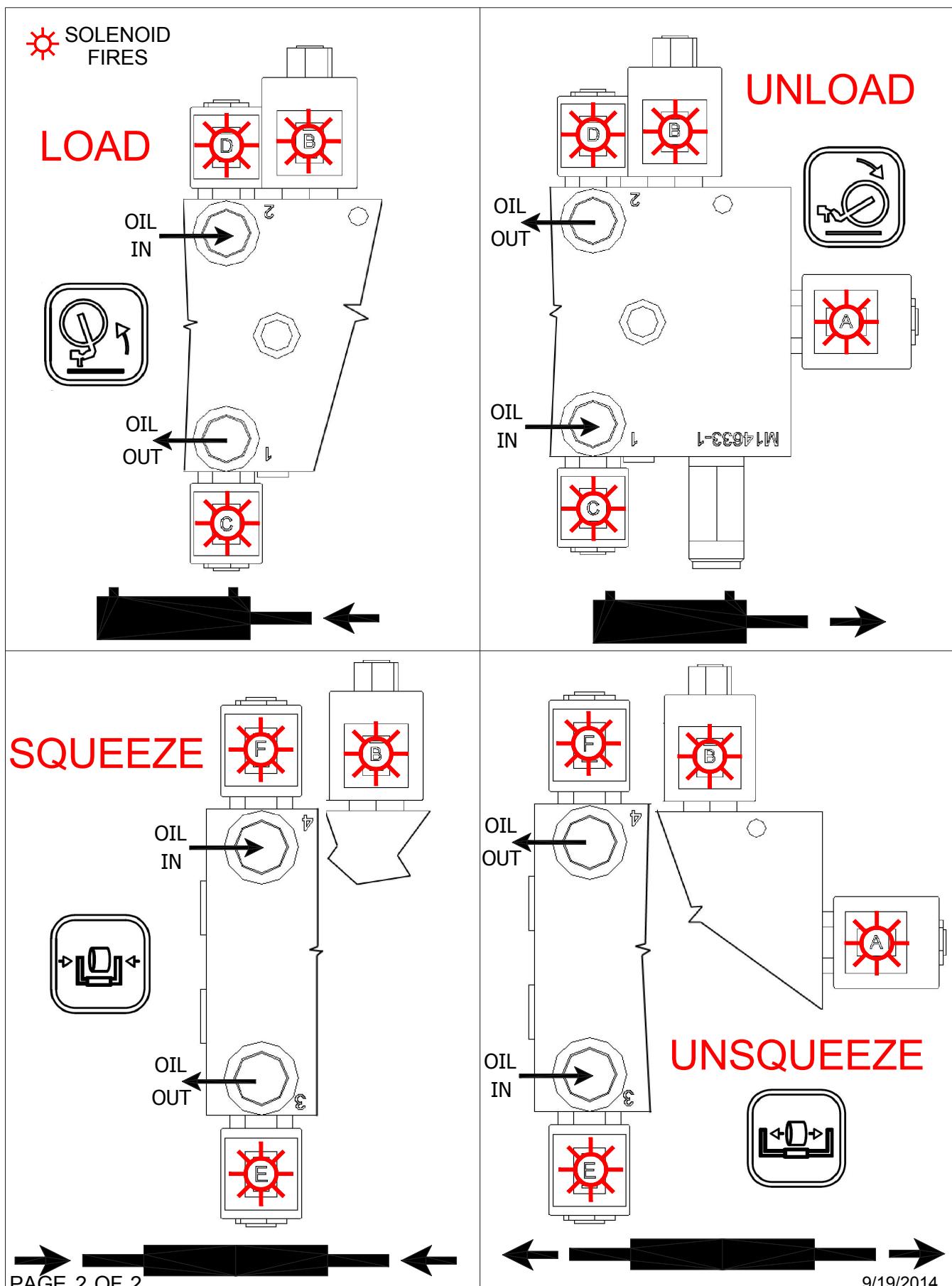
Gen 3 Double Poppet, Deutsch



Decal Part# 202053

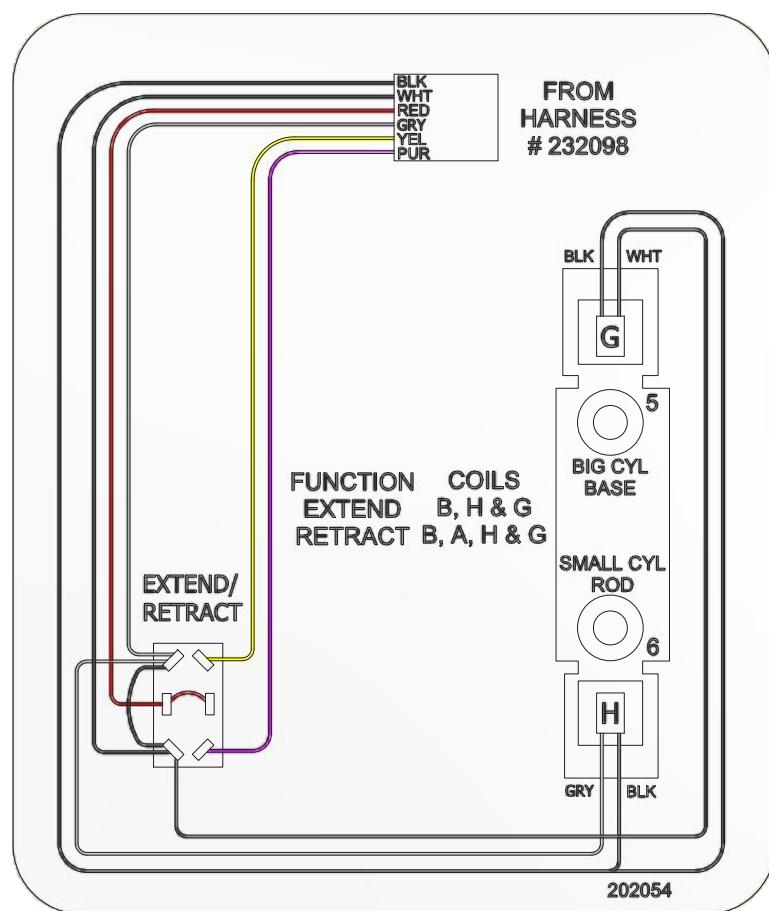
Harness Part# 232098





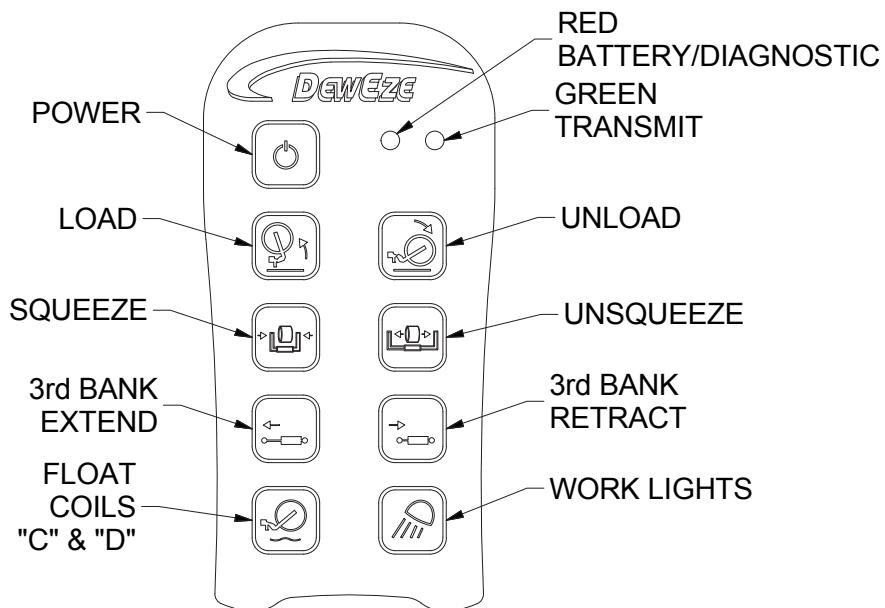
3rd Bank Wiring, Kar-Tech Remote

Gen 3 Double Poppet, Deutsch



Decal Part# 202054

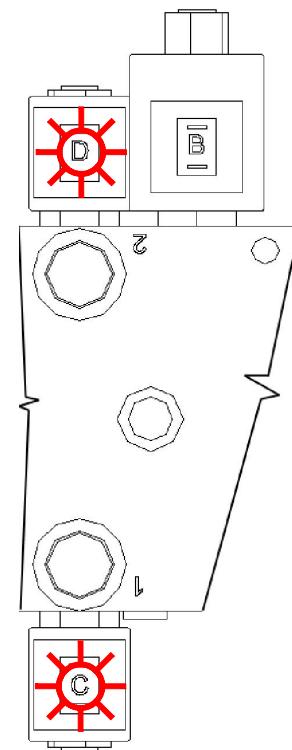
Harness Part# 232099



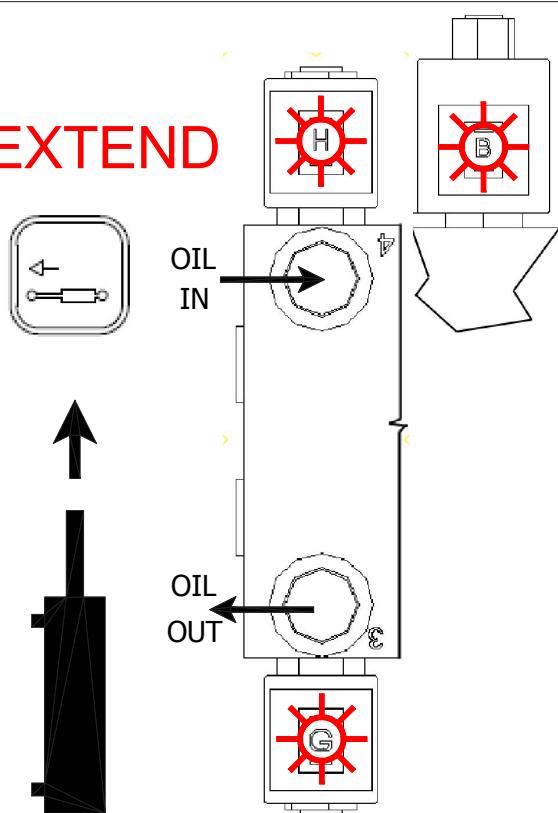
9/19/2014

 SOLENOID FIRES

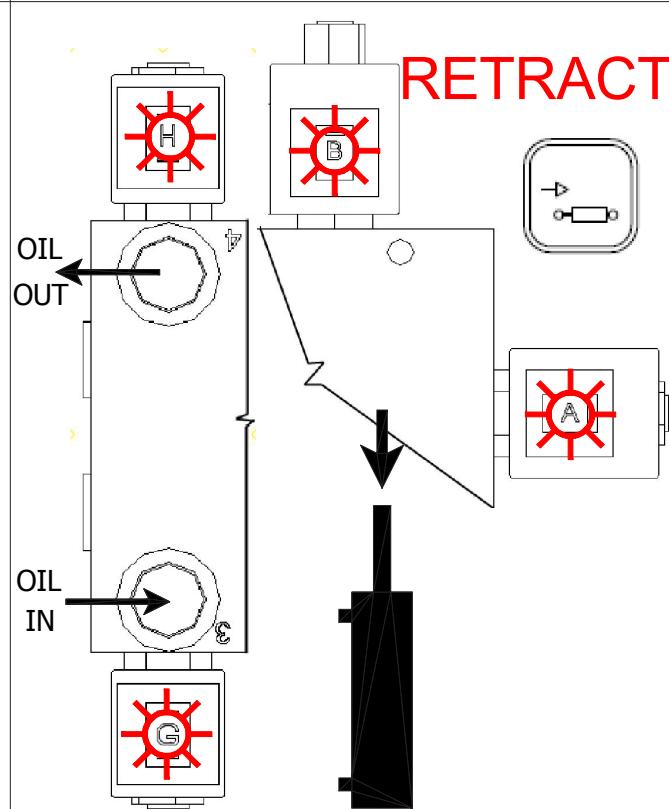
FLOAT



EXTEND



RETRACT

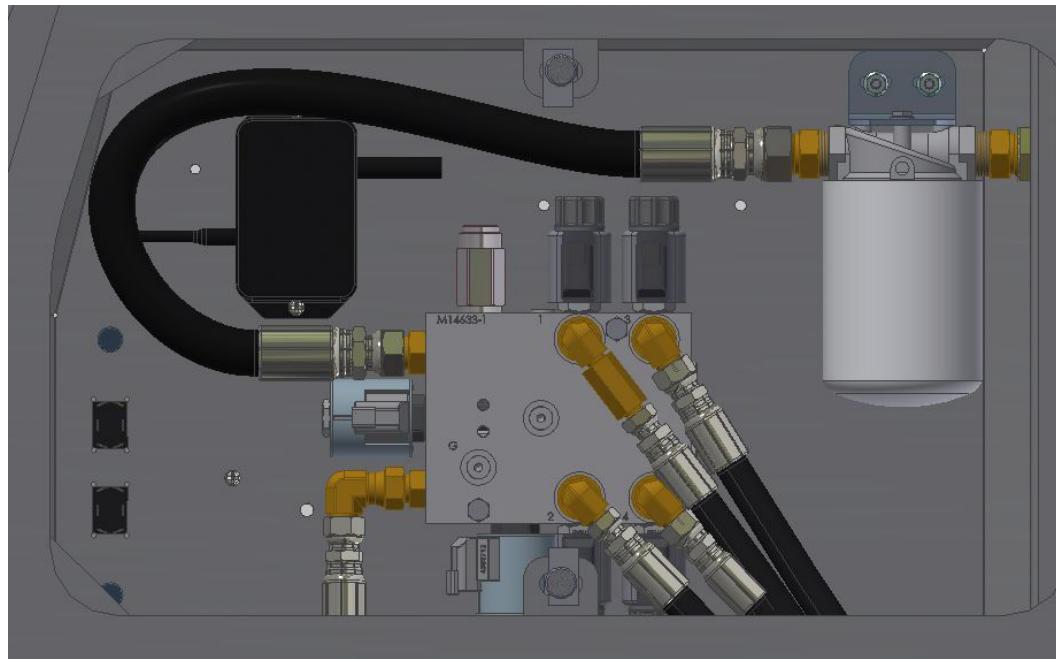


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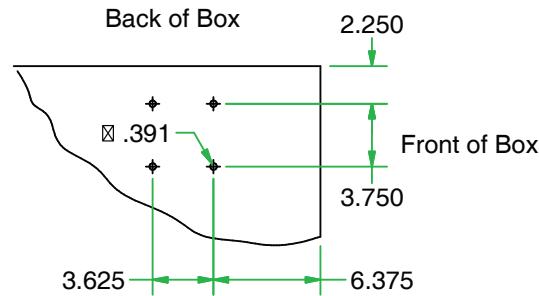
Appendix III

E / H KIT INSTALLATION INSTRUCTIONS

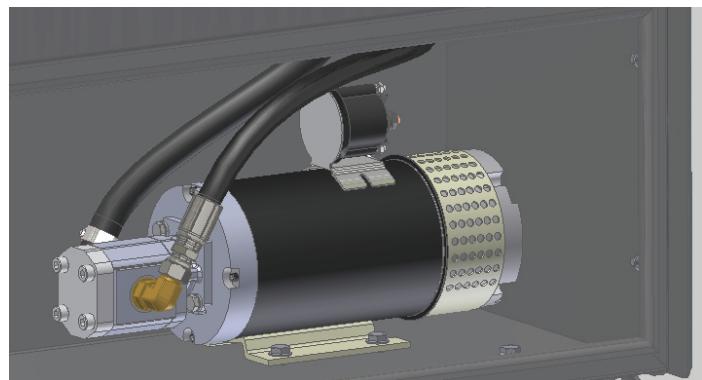
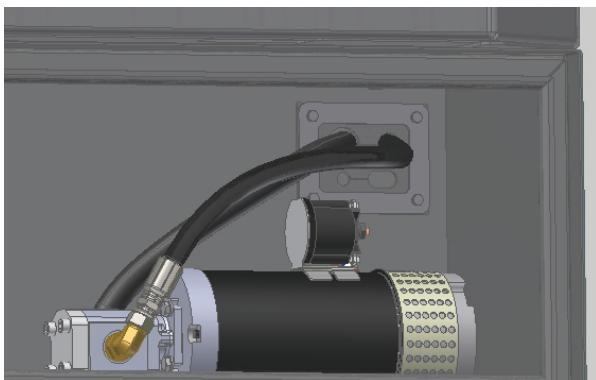
* Read all instructions first.



1. Attach adapters to valve and install inside cavity on headache rack.
2. Attach valve harness per diagram on decal.
3. Attach return hose to valve and filter housing. Attach pressure hose from pump.
4. Attach 1/2" hoses from squeeze cylinder to valve ports #3 & #4.
5. Attach 3/8" hoses from lift cylinder to valve ports #1 & #2.
6. Use cover plate to locate cutout in right side toolbox.
7. Use access cover or edge molding to protect hoses.
8. Drill holes for 3/8" bolts as indicated and bolt pump to inside of toolbox.



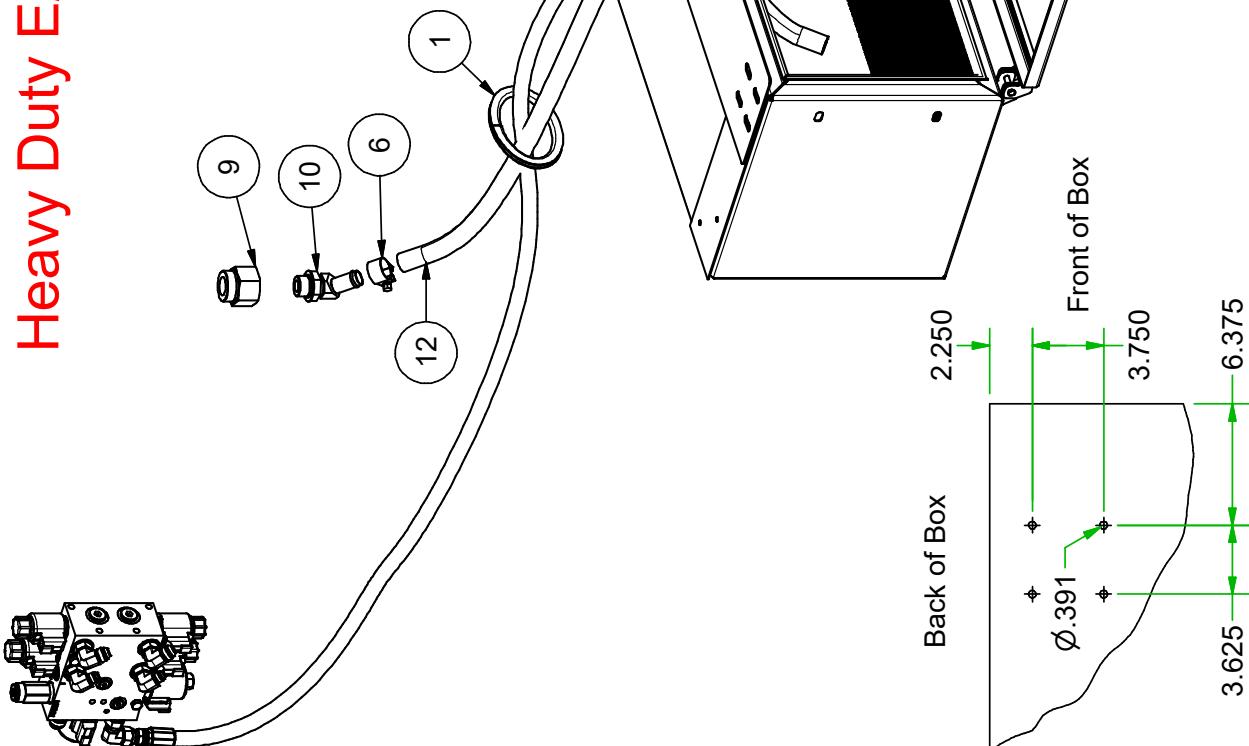
9. Attach purple switch wire from valve harness.
10. Attach 30-amp fuse holder to positive terminal on battery, run wire through switch on dash and then to the red wire on the harness.



11. Attach suction hose and pressure hose to pump with adapters provided.
12. Attach suction hose to bottom of reservoir.
13. Run battery cables through hole in toolbox and attach to E/H motor as indicated.
14. Run battery cables along frame rail and attach black cable to negative terminal on battery.
15. Attach 200-amp fuse holder to positive battery terminal.
16. Insert 200-amp fuse.
17. Attach red cable from E/H ontop of “ice cube” fuse. Install rubber cap.

If installing the 735021 Switch Unit — Read the E/H Hybrid specific instructions first.

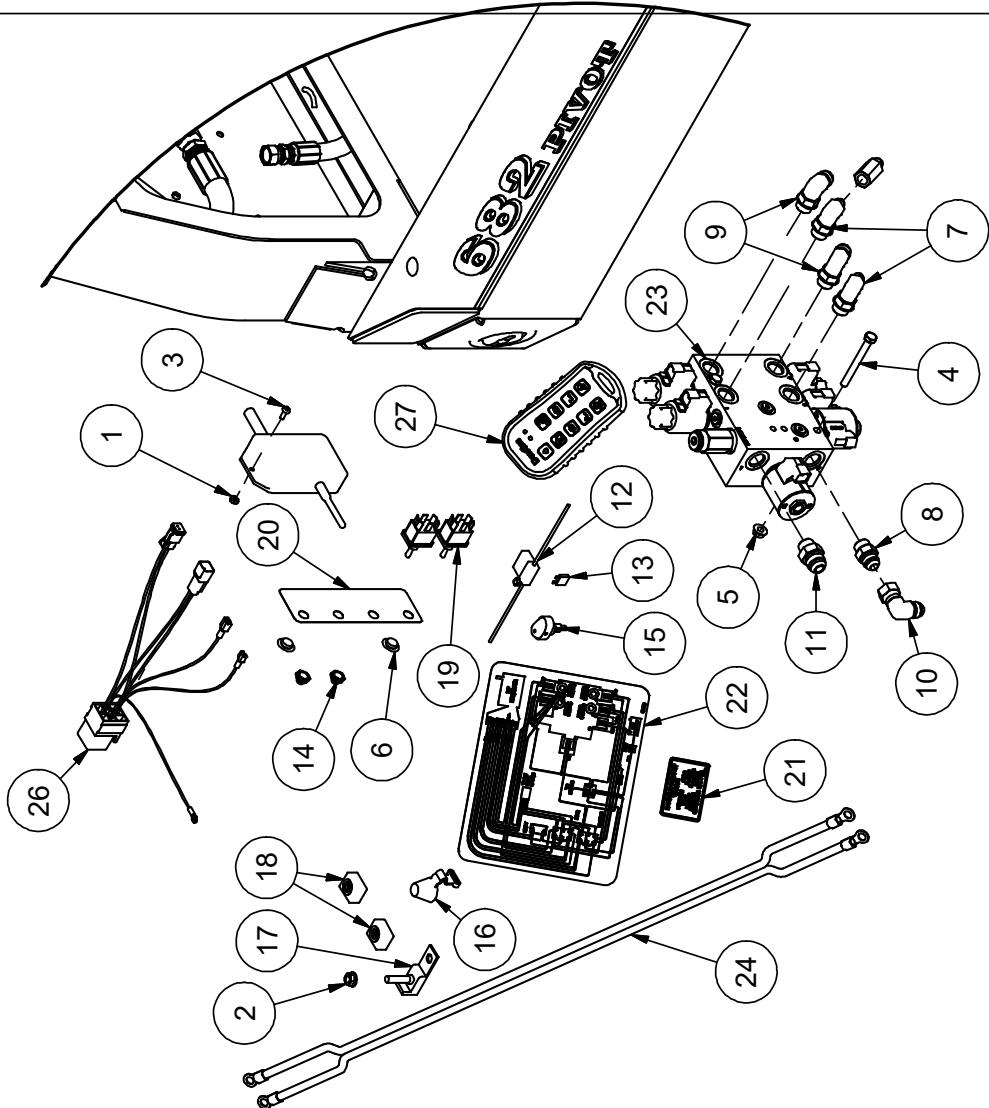
Heavy Duty E/H



Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	21 in	100365	EDGE TRIM
2	4	110440	BOLT, 3/8-16 X 1, WIZ FLANGE
3	4	110672	WASHER, 3/8" LOCK
4	4	110676	WASHER, 3/8" FLAT STANDARD
5	4	110826	NUT, 3/8-16 GR 5
6	2	112136	Clamp, 3/4" T-Bolt, Supra W2-120
7	1	120184	ADAPTER, 12BH-10MB90
8	1	120288	ADAPTER, 8MJ-8MB90
9	1	120544	ADAPTER, 20MB-12FOR
10	1	120545	ADAPTER, 12BH-12MB 45°
11	1	211849	ACCESS COVER FRAME
12	1	220603	HOSE, SUCTION, .75 X 54
13	1	220738	Hose, Pressure HD E/H
14	1	230159	E/H Motor Pump/unit, Heavy Duty 12V
	1	232102	Strap, Motor-Solenoid Connecting
	1	232103	Solenoid, 4 Post, 12VDC Contactor
15	1	260400	Shield, HD, E/H
16	1	260401	Access Cover, HD E/H
17	4	710586	SCREW, 1/4 X 1 TEK SELF-TAP

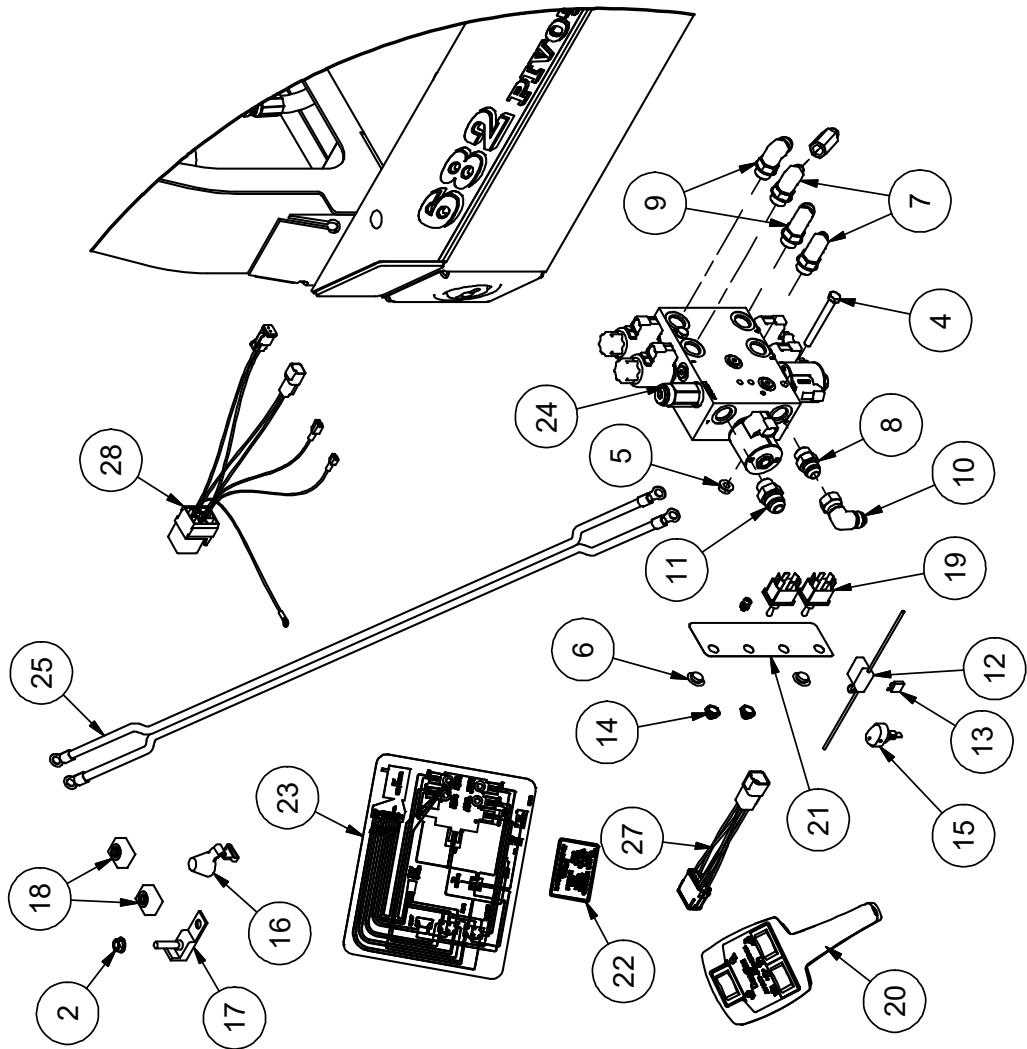
Heavy Duty E/H, W/Remote Part# 205115

Heavy Duty E/H Kit W/ Remote



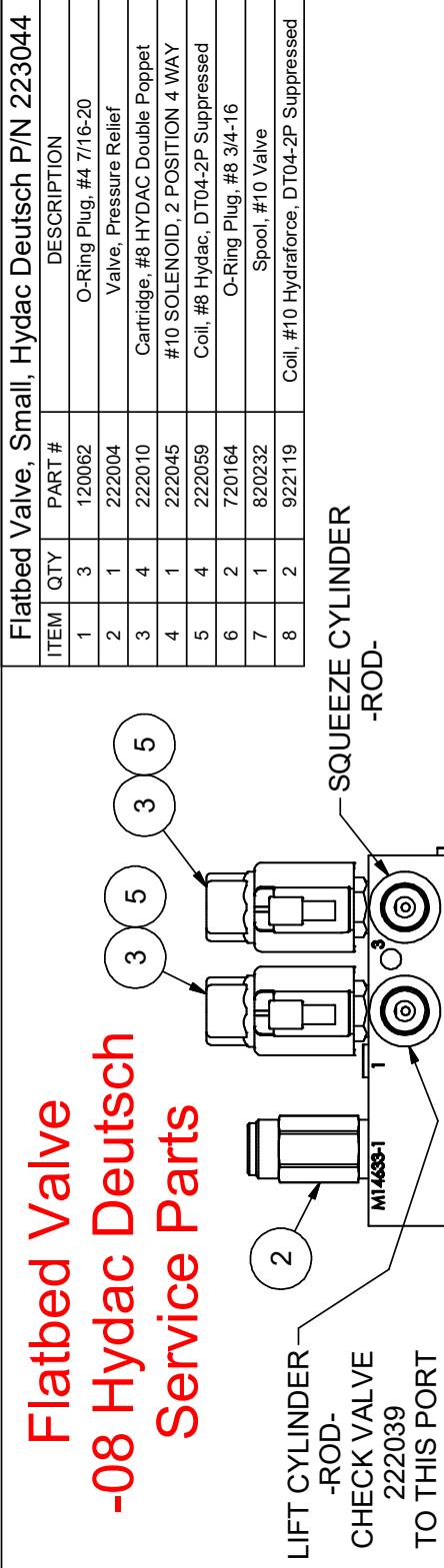
ITEM	Q'TY	PART #	DESCRIPTION
1	3	110119	NUT, 10-24 LOCK
2	1	110141	NUT, M8 X 1.25 WIZFLANGE
3	3	110264	BOLT, 10-24 X .5 STAINLESS, PHILLIPS
4	2	110538	BOLT, 5/16-18 X 3.0
5	2	110606	NUT, 5/16-18 WIZ FLANGE
6	2	110753	PLUG, 1/2" BUTTON PLASTIC
7	2	120134	ADAPTER, 6M1-8MB90
8	1	120277	ADAPTER, 8M1-8MB
9	2	120288	ADAPTER, 8M1-8MB90
10	1	120368	ADAPTER, 8M1-8F-JX90
11	1	120493	ADAPTER, 10M1-8MB
12	1	132001	FUSE HOLDER, ATC, 14 GA., MINI
13	1	132002	FUSE, MINI 30 AMP
14	2	132035	SWITCH BOOT
15	1	132044	Switch, Spst, Rocker Led
16	1	132092	FUSE COVER, BUSS CFCOVER-1R
17	1	132093	FUSE HOLDER, BUSS CFBARI-M8XSP
18	2	132094	FUSE 200 AMP, BUSS MRBF-200
19	2	132127	Switch, Toggle, DPDT, (On)-OFF-(On)
20	1	202003	DECAL, SWITCH IDENTIFICATION
21	1	202052	Decal, Double Poppet Valve
22	1	202053	Decal, Wiring Diagram, Double Poppet Deutsch
23	1	223044	Flatbed Valve, Small, Monoblock Ver II
24	1	230155	BATTERY CABLE, 2GA TWIN LEAD, 186"
25	1	232098	Harness, Flatbed, Double Poppet Deutsch
26	1	232115	Harness, Flatbed Valve, E/H Control
27	1	233003	Transmitter & Receiver, Kar-Tech

Heavy Duty E/H, W/Hand Control W/ Hand Control



Heavy Duty E/H, W/Hand Control Part# 205116			
ITEM	QTY	PART #	DESCRIPTION
1	3	110119	NUT, 10-24 LOCK
2	1	110141	NUT, M8 X 1.25 WIZFLANGE
3	3	110264	BOLT, 10-24 X .5 STAINLESS, PHILLIPS
4	2	110538	BOLT, 5/16-.18 X 3.0
5	2	110606	NUT, 5/16-.18 WIZ FLANGE
6	2	110753	PLUG, 1/2" BUTTON PLASTIC
7	2	120134	ADAPTER, 8MJ-8MB90
8	1	120277	ADAPTER, 8MJ-8MB
9	3	120283	ADAPTER, 8MJ-8MB90
10	1	120368	ADAPTER, 8MJ-8FJX90
11	1	120493	ADAPTER, 10MJ-8MB
12	1	132001	FUSE HOLDER, ATC, 14 GA., MINI
13	1	132002	FUSE, MINI 30 AMP
14	2	132035	SWITCH BOOT
15	1	132044	Switch, Spst, Rocker Led
16	1	132092	FUSE COVER, BUSS CFCOVER-1R
17	1	132093	FUSE HOLDER, BUSS CFBAR1-M8XSP
18	2	132094	FUSE 200 AMP, BUSS MRBF-200
19	2	132127	Switch, Toggle, DPDT, (On)-OFF-(ON)
20	1	150044	Hand Control & Cable Assy, 2 Bank
21	1	202003	DECAL, SWITCH IDENTIFICATION
22	1	202052	Decal, Double Poppet Valve
23	1	202053	Decal, Wiring Diagram, Double Poppet Deutsch
24	1	223044	Flatbed Valve, Small, Monoblock Ver II
25	1	230155	BATTERY CABLE, 2GA TWIN LEAD, 186"
26	1	232098	Harness, Flatbed, Double Poppet Deutsch
27	1	232105	Harness, Adapter 2 Bank, Hand Control
28	1	232115	Harness, Flatbed Valve, E/H Control

Flatbed Valve -08 Hydac Deutsch Service Parts

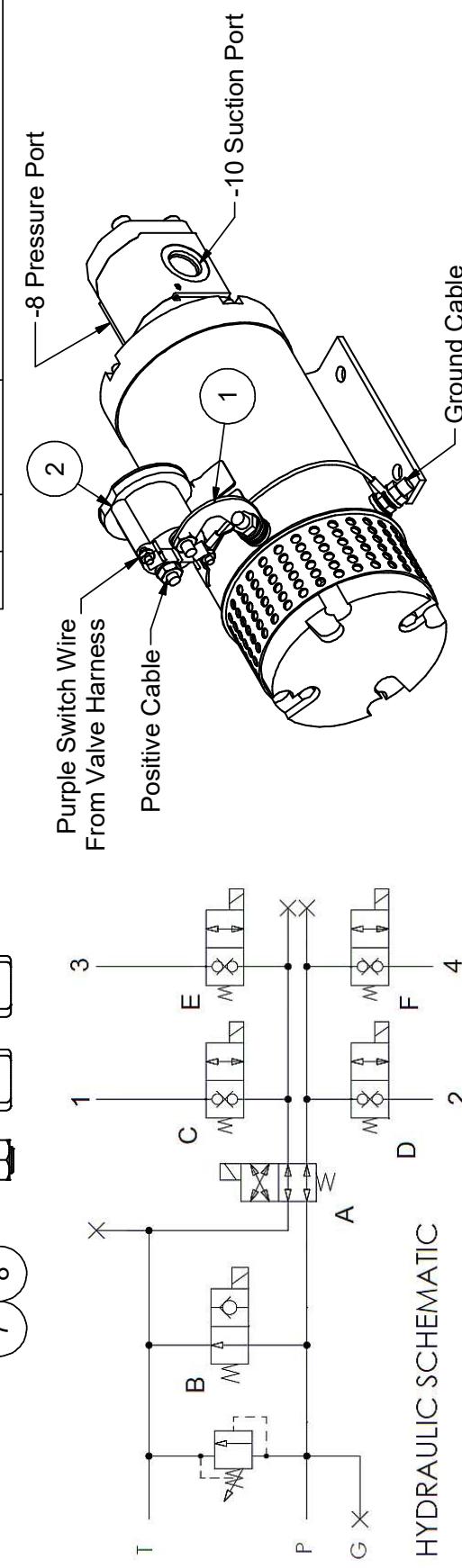


Heavy Duty E/H Motor & Pump

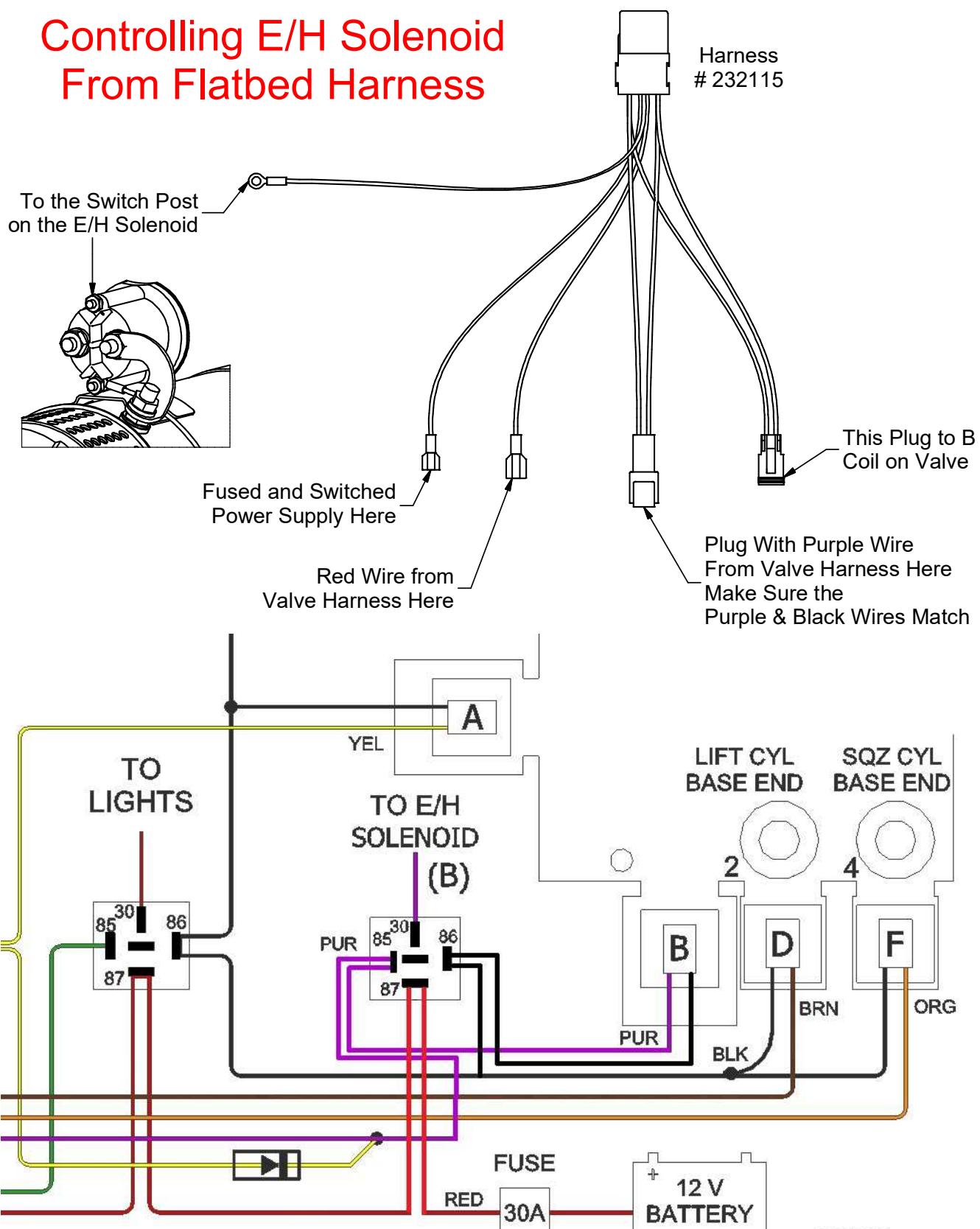
230159 E/H MOTOR & PUMP, HD 12V			
ITEM	QTY	PART #	DESCRIPTION
1	1	232102	Strap, Motor-Solenoid Connecting
2	1	232103	Solenoid, 4 Post, 12VDC Contactor

LIFT CYLINDER -BASE-

SQUEEZE CYLINDER -BASE-

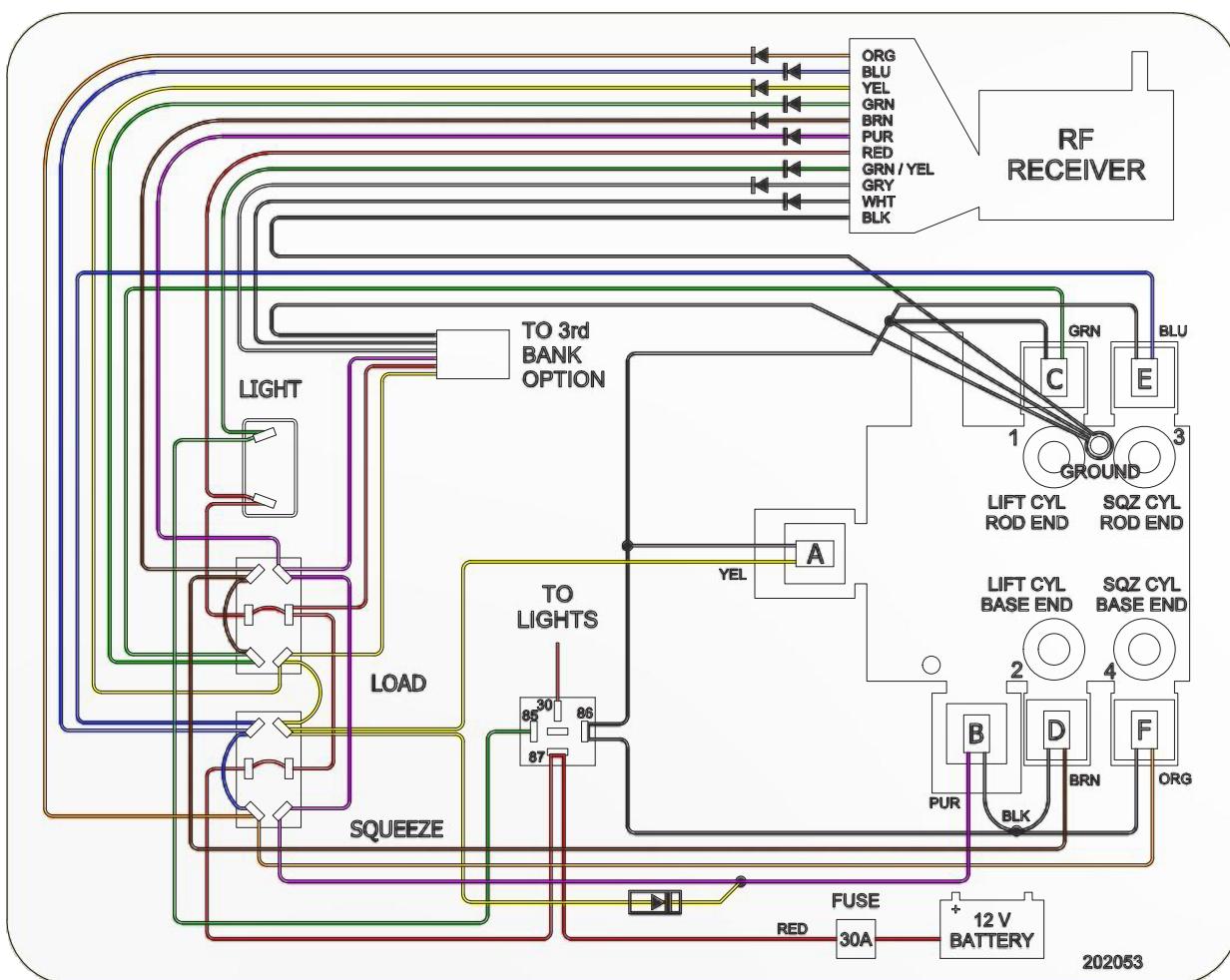


Controlling E/H Solenoid From Flatbed Harness



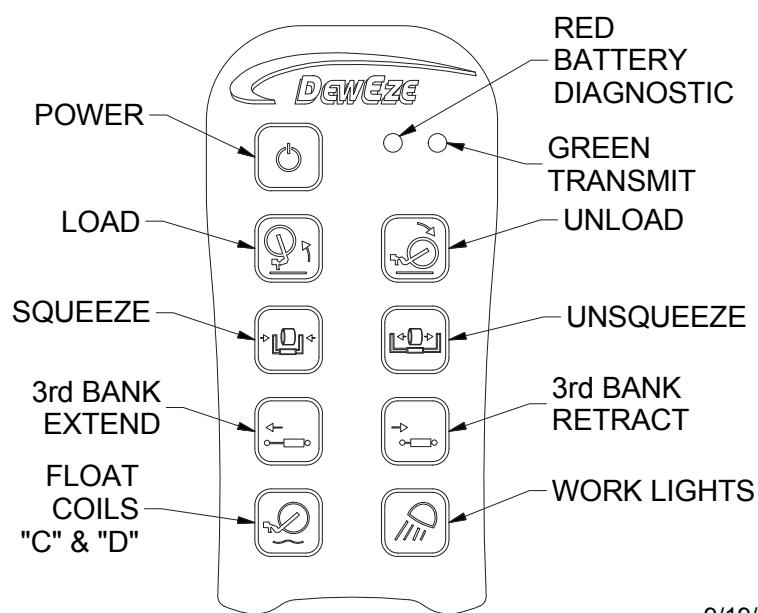
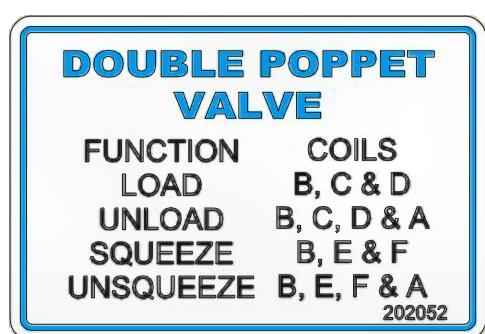
2 Bank Wiring, Kar-Tech Remote

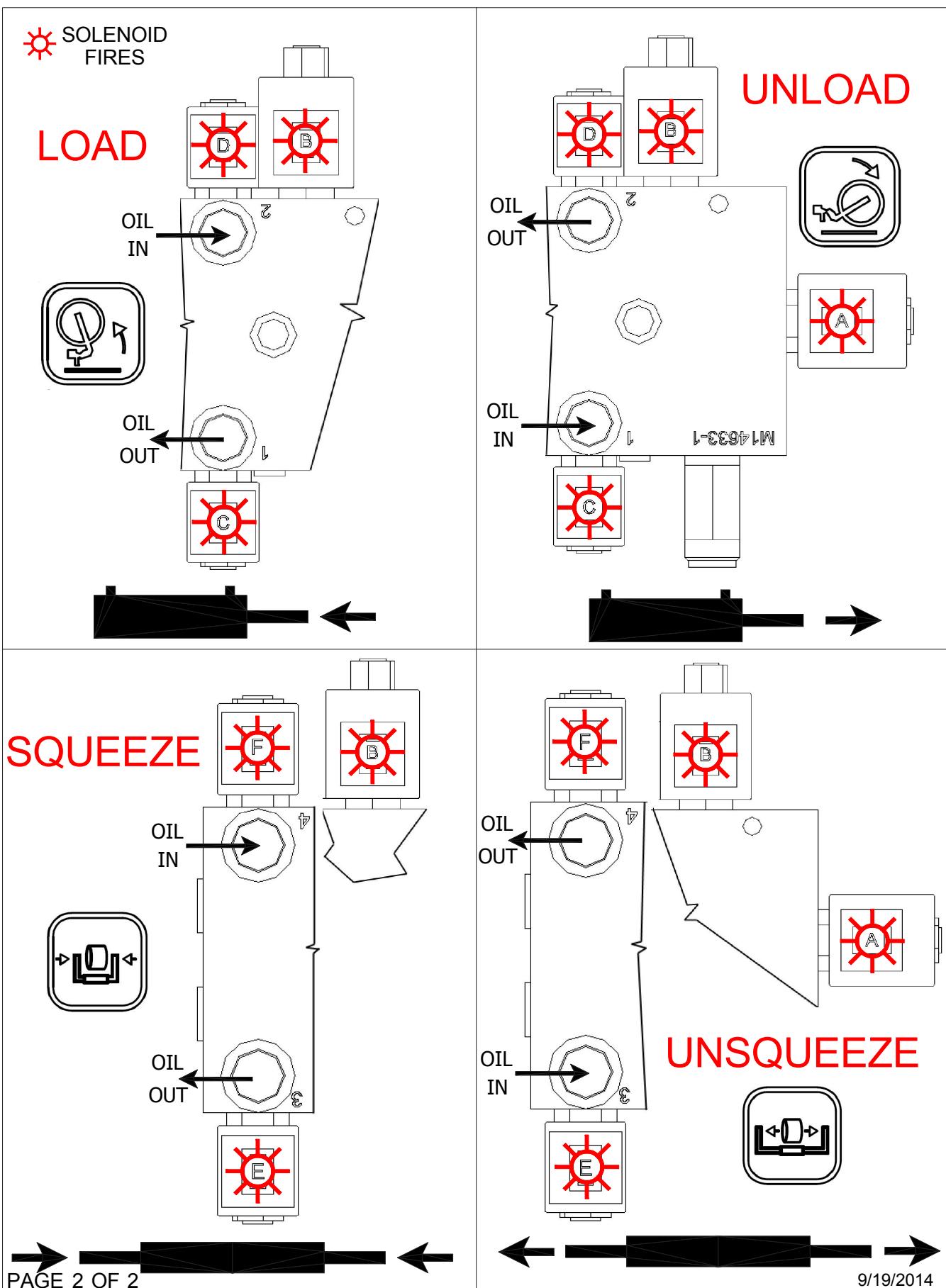
Gen 3 Double Poppet, Deutsch



Decal Part# 202053

Harness Part# 232098





NOTES

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