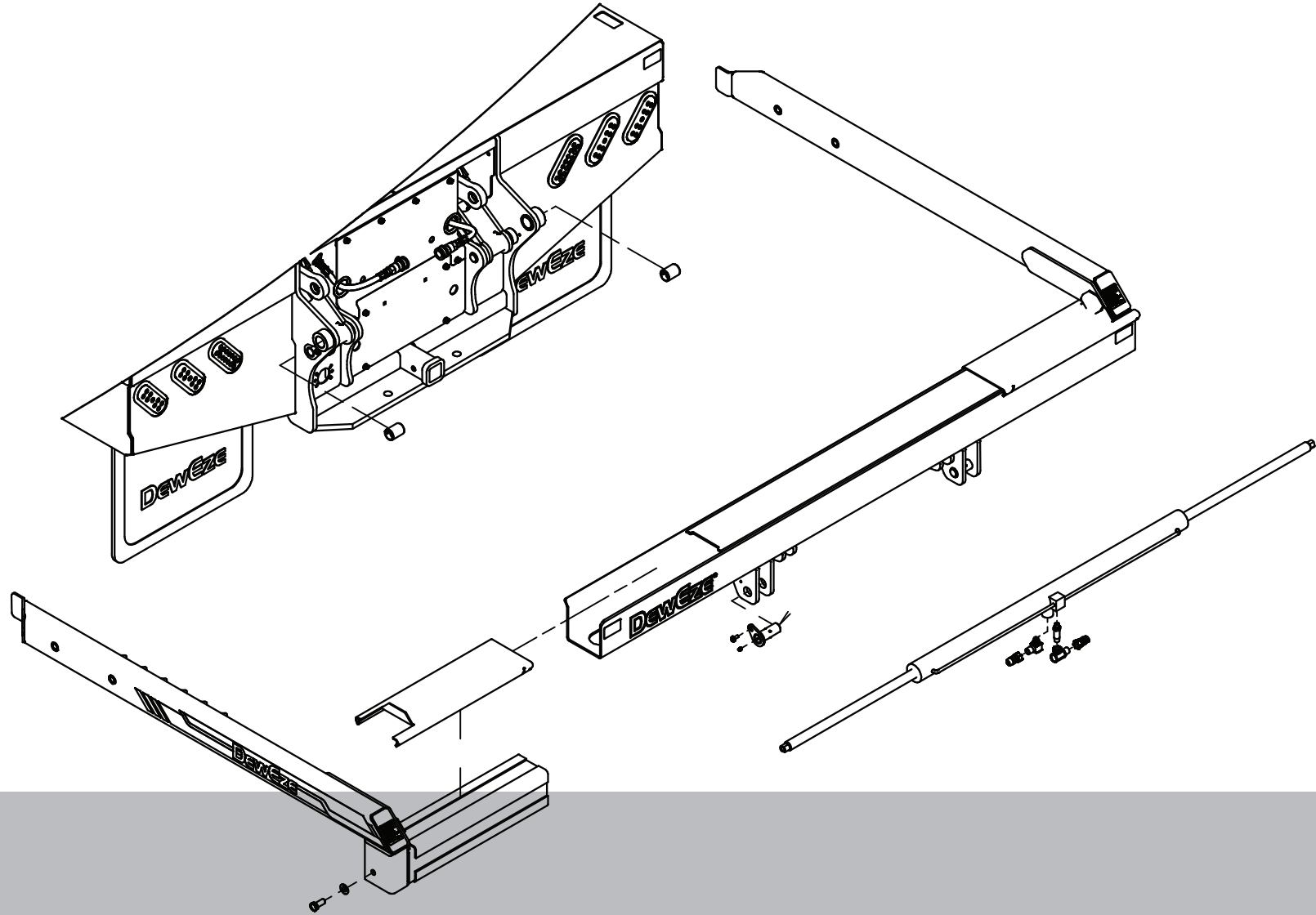


RT & XRT FLATBED

Serial # 21A01+

Enable Function



DewEze®

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

© 2025 Harper Industries, Inc.

The Harper and DewEze names and the ATM logo are registered trademarks of Harper Industries, Inc. All other brand and product names are trademarks or registered trademarks of their respective companies.

Statement of Warranty 1/11/2025

Harper Industries, Inc. (HII) warrants to each purchaser of new DewEze Truck Bodies 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. 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 (including belts, battery, chains, filters).

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 dealer.

RECORDS

Date of Purchase _____ / _____ / _____

Dealer's Name _____

Dealer's Phone _____

Serial Number Bed _____

Serial Number Pump _____

Table of Contents

OPERATOR SECTION

To the Owner or Operator.....	1
Warranty Statement.....	2
Table of Contents.....	3
Specifications.....	4
Feature Identification.....	5
Safety Guidelines	
General Equipment Safety.....	6
Flatbed Operation Safety.....	6
Hydraulic Safety.....	7
Safety Symbols.....	7
Operating Instructions	
Getting Started.....	7
Arbor & Riser Attachment.....	8
Beginning Operation.....	8
Loading.....	8
Unloading.....	8
Pay-out.....	8
Spool Diameters & Lifting Capacity.....	9
Reel Power Attachment.....	10
Storing the arms.....	11
Turning System Off.....	11
Transport.....	12
Maintenance	
Check Daily or Before Use.....	13
Lubrication.....	13
Hydraulic Oil.....	13
Hydraulic System.....	13
GatorHyde Protective Coating.....	14
Remote Control.....	14
Power Unit.....	14
Troubleshooting.....	15

PARTS SECTION

Standard Parts

RT Common Parts.....	18
XRT60 & 84 Common Parts.....	19
RT Dummy Arms.....	20
RT Parallel Squeeze Crosstube & Arms.....	21
XRT Crosstube & Arm Assembly.....	22-23
XRT Right Squeeze Arm.....	24
XRT Left Squeeze Arm.....	25
XRT 60 & 84 Dummy Arms.....	26

Hydraulics

RT Dual Lift Hydraulics.....	27-28
Hydraulic Assembly Reservoir.....	29
XRT Dual Lift Hydraulics.....	30-31
XRT Lift Cylinder Valve & Squeeze Cylinder...	32
XRT Reservoir Assembly.....	33
Valve and Filter - Gen 3 Double Poppet.....	34
Valve Service Parts.....	35
XRT Hydraulic Schematic.....	36

Controls and Lights

RF Control and Manual Switches.....	37
Clutch Control Switch.....	38
Lights and Harness.....	39
Harness Adapters: OEM to DewEze.....	40

Decals

Decals-Safety/Operation.....	41
600/700 Series Decals.....	42
XRT Decals.....	43

Accessories

Swingout Lights.....	44
Cargo Lights.....	45
30" Toolbox & Fender Skirts.....	46
Across the Bed Toolbox.....	47
Front Skirt Toolbox Replacement.....	48
Rear View Camera Mounting Kit.....	49
Bed Mounting Kits.....	50
RT Winder Complete.....	51
3rd Bank Rear Couplers.....	52-53
RT Spinner and Riser Assy.....	54-56
RT Winder Option.....	57-62
RT Option Permanent Valve Retrofit.....	63-65
RT Overspin Brake Option.....	66-69
Pressure Gauge Option.....	70
Cradle Risers, Arbor, and Locks.....	71
RT Dump Box.....	72
XRT Spinner & Riser Assembly.....	73
XRT Cradle Riser, Arbor, & Locks Assy.....	74
XRT Riser Assembly.....	75
XRT Drop Cradle for Small Reels.....	76

Appendices

I	
	GatorHyde Repair..... 77
II	
	Remote Control..... 78-79
	2-Bank - Gen 3 w/ Remote..... 80-81
	3-Bank - Gen 3 w/ Remote..... 82-83
III	
	HD E/H - Install Instructions..... 84-85
	HD E/H Power Kit..... 86-91

Specifications

RT 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#

XRT Model Specifications

MODEL	XRT60	XRT84
WIDTH	8'5"	8'5"
LENGTH	9'11"	12'1"
WEIGHT	2900#	3150#

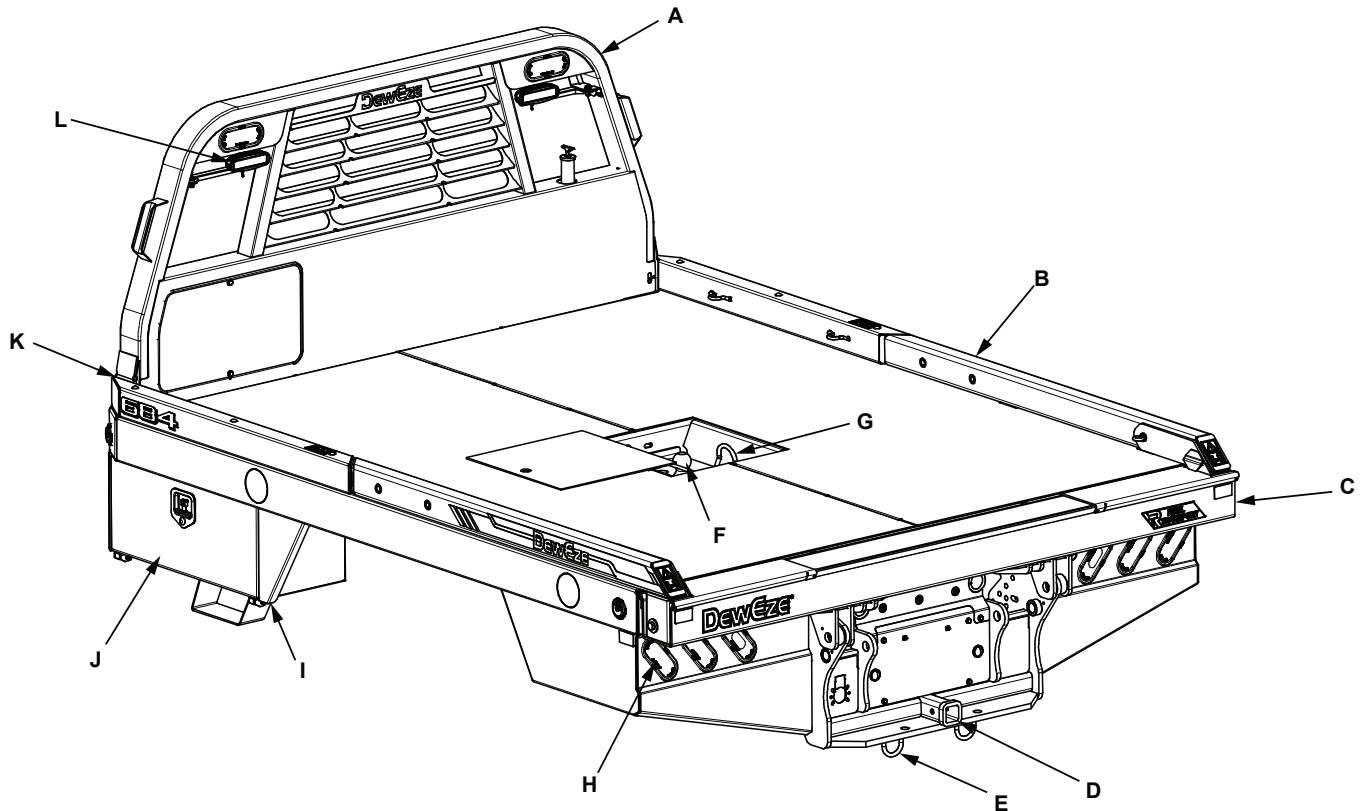
Hydraulic System Specification

HYDRAULIC SYSTEM	Powered by engine driven pump or self-contained batter-powered electric/hydraulic unit.
SYSTEM PRESSURE	2750 psi
OIL RESERVOIR CAPACITY	10 gallons
OIL FILTER	DewEze 720043, WIX 51551 (10 micron)
CYLINDER, LIFT (2)	RT - 3.50" x 16.62" XRT - 4.00" x 15.31"
CYLINDER, SQUEEZE	2.00" x 39.25"

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.

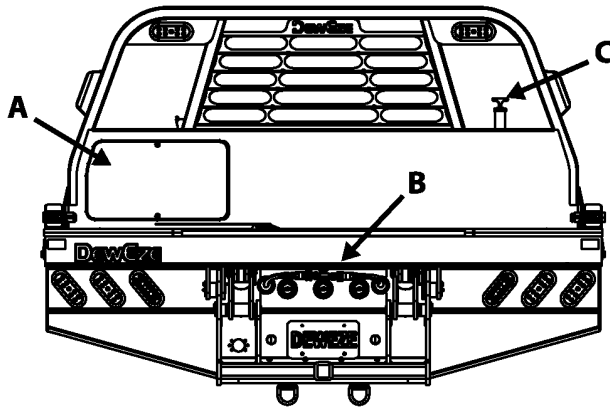
H. Lights – LED lighting for stop-tail-turn has long life and low current draw.

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.

Safety Guidelines



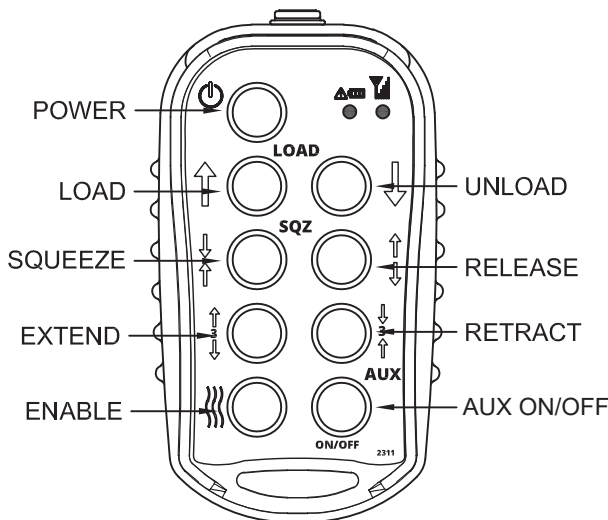
A. Valve Compartment – houses the hydraulic control valve and hydraulic oil filter.

B. Pioneer Couplers – connect hydraulic hoses to the squeeze cylinder – may also be used to connect to implements/tools.

*Leaking squeeze couplers may be replaced with Squeeze Hose Retrofit Kit (205474)

C. Hydraulic Oil Fill & Dipstick – check hydraulic oil level with dipstick – fill here when necessary.

Remote Control Transmitter – operates all functions of the flatbed



SAFETY WARNING!

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

Operator safety is of utmost 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

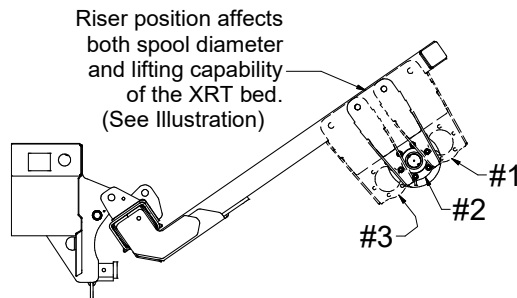
- Back the truck towards the reel with the arms spread apart.
- Position the cradles over the shaft and lower until they are fully seated.
- Secure the shaft in the cradles with the L-shaped pins.
- Lift the reel onto the truck.

Unloading

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

Pay-out

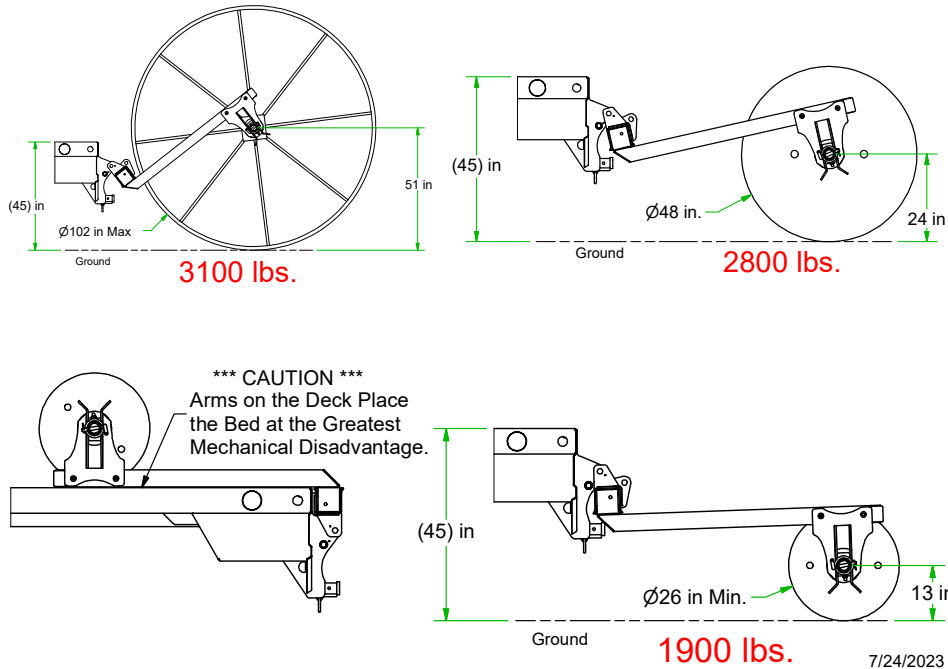
- Position the truck on as level terrain as possible and parallel to the direction the cable will be pulled, then set the parking brake.
- Pick the reel up a few inches off the flatbed so it will turn freely.
- The pump may be turned off during the unrolling operation.
- Take precautions necessary to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



Lifting Capacities

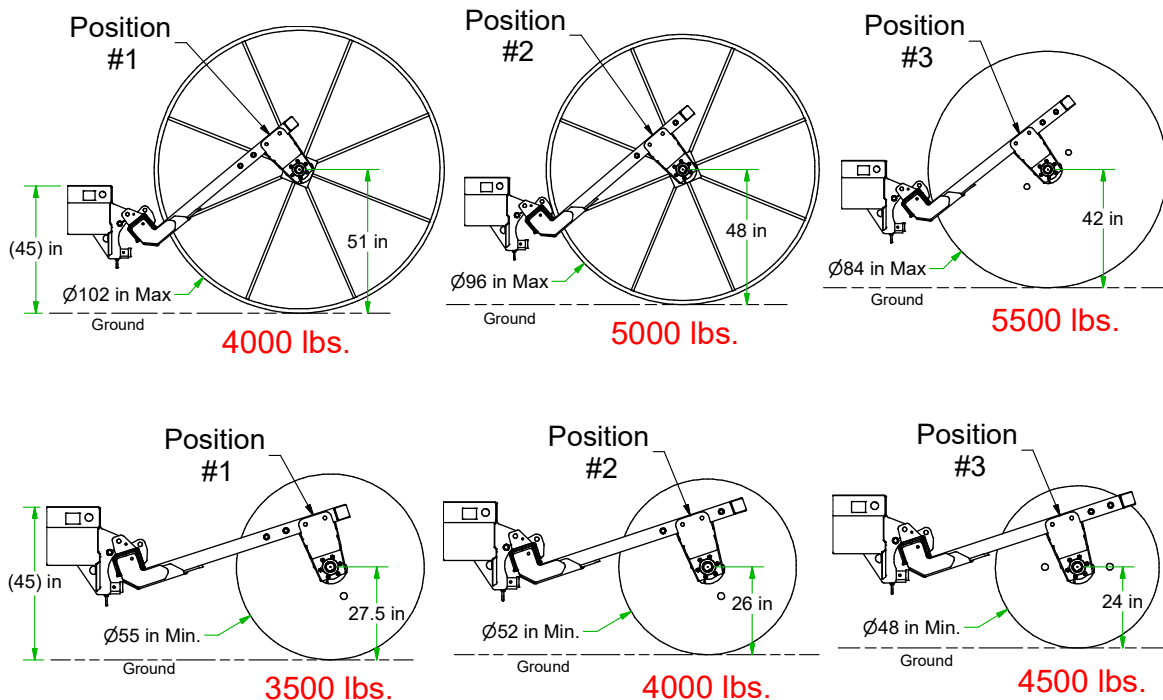
RT, Reel/Spool Diameters & Lifting Capacities

The diagrams below show the largest and smallest spools and how each affects relative lifting capacity.



XRT Riser Position, Reel/Spool Diameters & Lifting Capacities

The diagrams below shows the largest and smallest spools corresponding with each riser position. Also how each riser position affects relative lifting capacity.



11/22/2022

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.

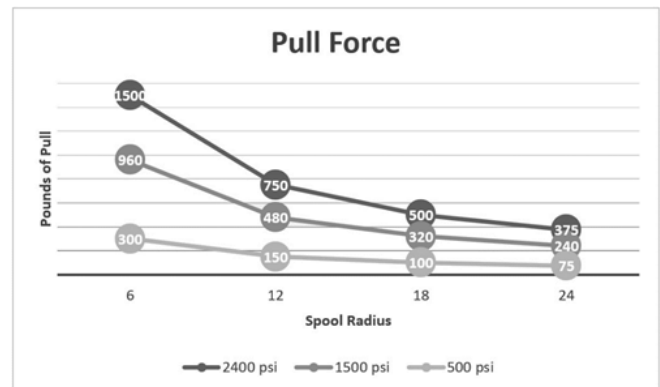
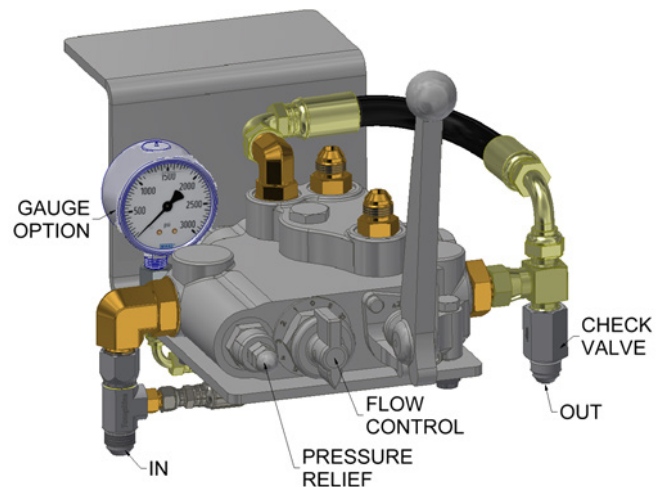
- To operate the winder, the third bank latching switch must be turned on, this is located on the front side of the headache rack on the driver's side or the AUX button on the remote. This provides oil flow to the winder valve.

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

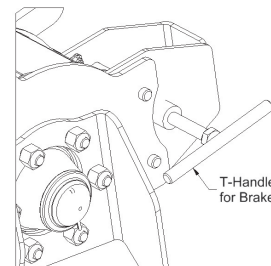
The hydraulic winder valve is a manual valve that can be used to pay out or take up. There is also a flow control that will allow the operator to adjust the speed of rotation based upon the situation.

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

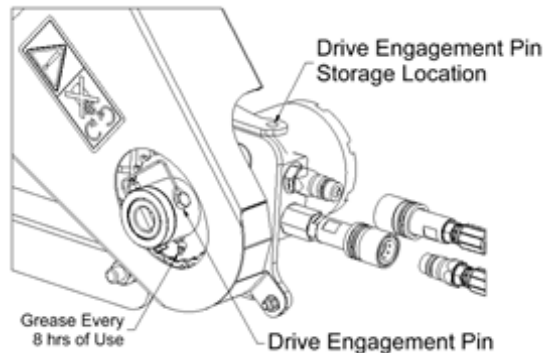
- There is an optional pressure gauge that can be installed to monitor pressure applied to the material being pulled.



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..

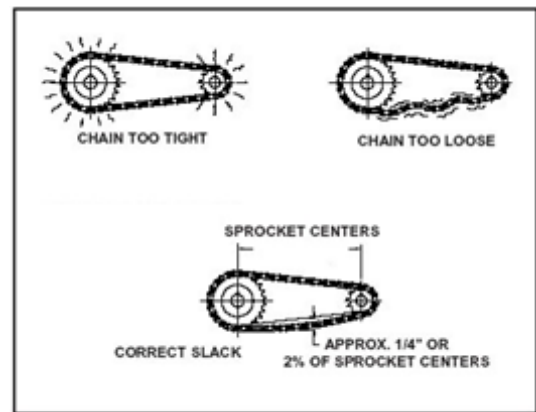


When the take up/pay out operation is complete, the pressure must be relieved from the valve before disconnecting.

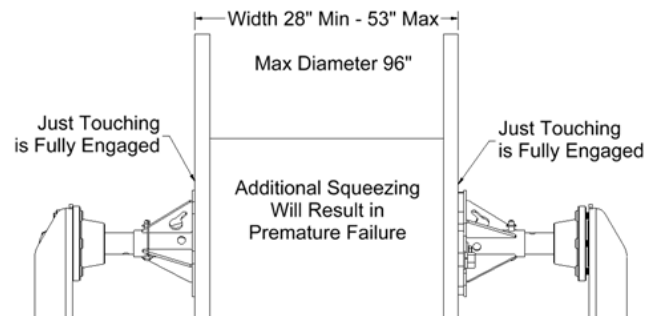
To relieve pressure, follow this procedure:

- 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.

NOTE: Check with local DOT for required load securement practices.

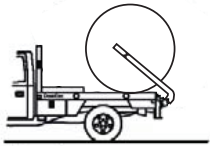


Fig. 1

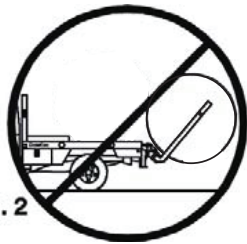


Fig. 2

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!

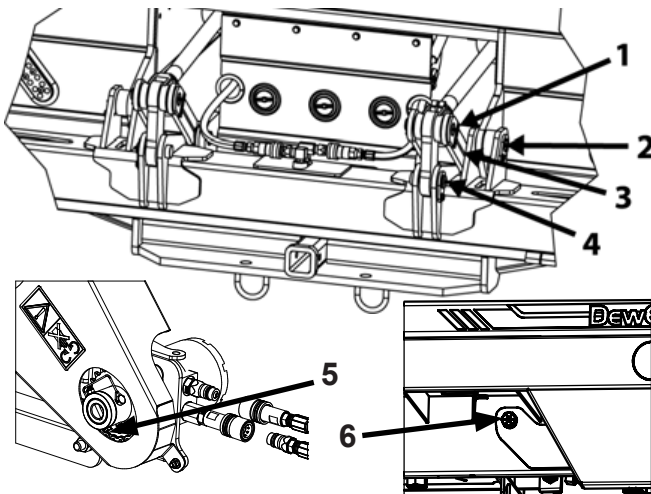


Hydraulic fluid escaping under pressure can penetrate the skin and may cause death if not treated immediately.

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



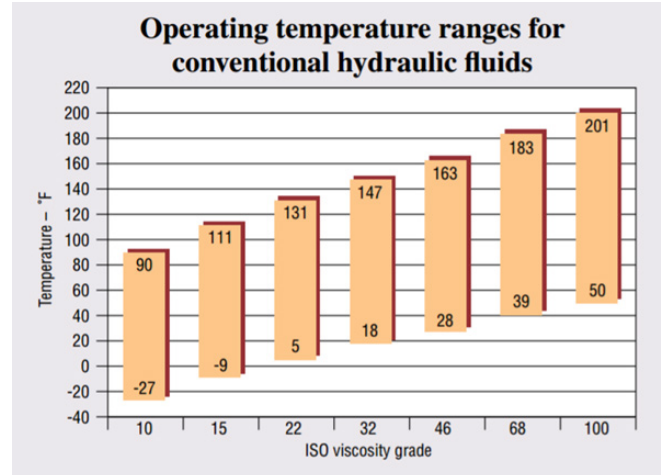
SAFETY WARNING!



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

Hydraulic Oil

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



- 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	• 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	• 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	• 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	• 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 & XRT FLATBED

PARTS

Table of Contents

PARTS SECTION

Standard Parts

RT Common Parts.....	18
XRT60 & 84 Common Parts.....	19
RT Dummy Arms.....	20
RT Parallel Squeeze Crosstube & Arms.....	21
XRT Crosstube & Arm Assembly.....	22-23
XRT Right Squeeze Arm.....	24
XRT Left Squeeze Arm.....	25
XRT 60 & 84 Dummy Arms.....	26

Hydraulics

RT Dual Lift Hydraulics.....	27-28
Hydraulic Assembly Reservoir.....	29
XRT Dual Lift Hydraulics.....	30-31
XRT Lift Cylinder Valve & Squeeze Cylinder...	32
XRT Reservoir Assembly.....	33
Valve and Filter - Gen 3 Double Poppet.....	34
Valve Service Parts.....	35
XRT Hydraulic Schematic.....	36

Controls and Lights

RF Control and Manual Switches.....	37
Clutch Control Switch.....	38
Lights and Harness.....	39
Harness Adapters: OEM to DewEze.....	40

Decals

Decals-Safety/Operation.....	41
600/700 Series Decals.....	42
XRT Decals.....	43

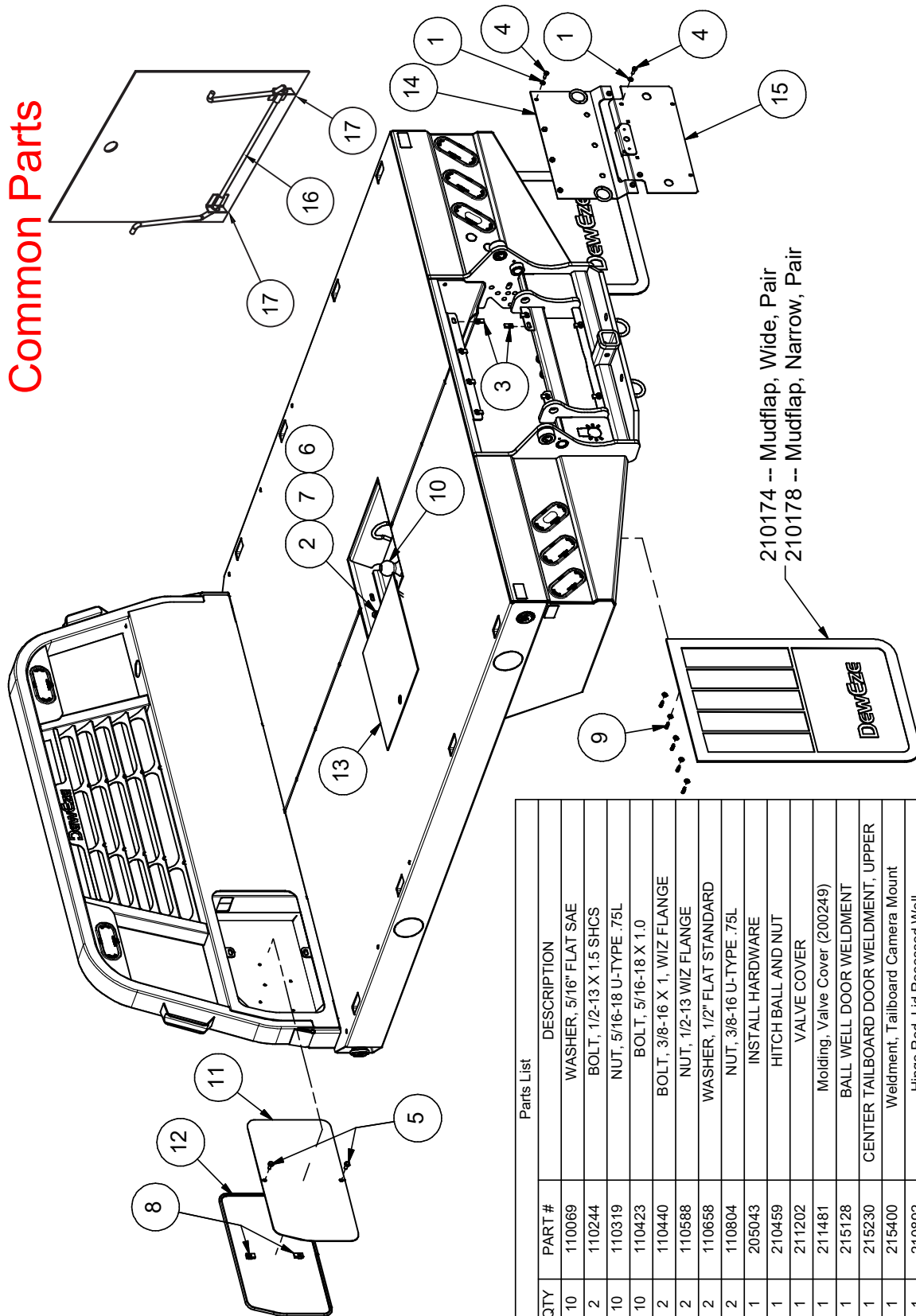
Accessories

Swingout Lights.....	44
Cargo Lights.....	45
30" Toolbox & Fender Skirts.....	46
Across the Bed Toolbox.....	47
Front Skirt Toolbox Replacement.....	48
Rear View Camera Mounting Kit.....	49
Bed Mounting Kits.....	50
RT Winder Complete.....	51
3rd Bank Rear Couplers.....	52-53
RT Spinner and Riser Assy.....	54-56
RT Winder Option.....	57-62
RT Option Permanent Valve Retrofit.....	63-65
RT Overspin Brake Option.....	66-69
Pressure Gauge Option.....	70
Cradle Risers, Arbor, and Locks.....	71
RT Dump Box.....	72
XRT Spinner & Riser Assembly.....	73
XRT Cradle Riser, Arbor, & Locks Assy.....	74
XRT Riser Assembly.....	75
XRT Drop Cradle for Small Reels.....	76

Appendices

I	GatorHyde Repair.....	77
II	Remote Control.....	78-79
	2-Bank - Gen 3 w/ Remote.....	80-81
	3-Bank - Gen 3 w/ Remote.....	82-83
III	HD E/H - Install Instructions.....	84-85
	HD E/H Power Kit.....	86-91

600 & 700 RT Series Common Parts

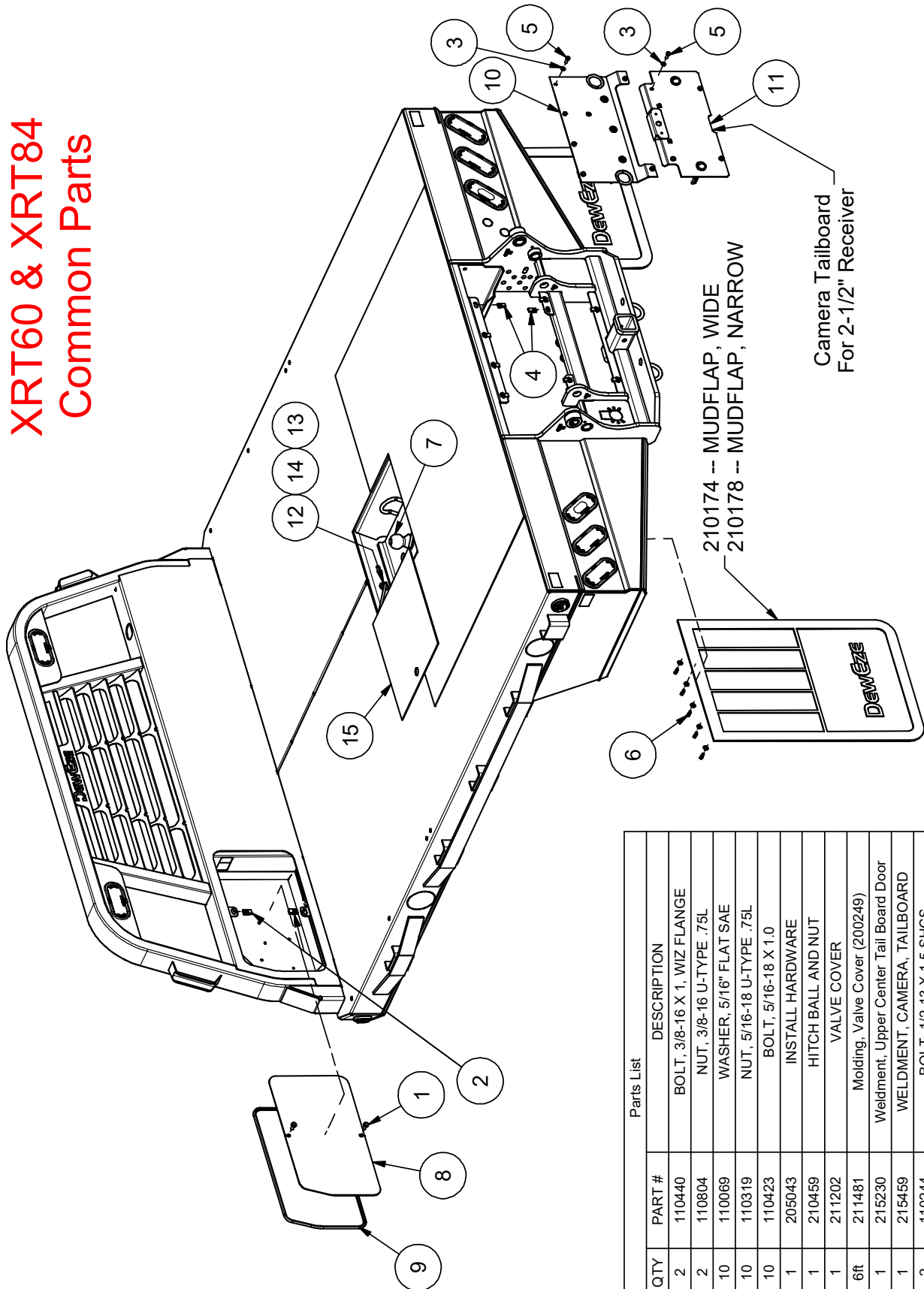


210174 -- Mudflap, Wide, Pair
210178 -- Mudflap, Narrow, Pair

Parts List			DESCRIPTION
ITEM	QTY	PART #	
1	10	110069	WASHER, 5/16" FLAT SAE
2	2	110244	BOLT, 1/2-13 X 1.5 SHCS
3	10	110319	NUT, 5/16-18 U-TYPE .75L
4	10	110423	BOLT, 5/16-18 X 1.0
5	2	110440	BOLT, 3/8-16 X 1, WIZ FLANGE
6	2	110588	NUT, 1/2-13 WIZ FLANGE
7	2	110658	WASHER, 1/2" FLAT STANDARD
8	2	110804	NUT, 3/8-16 U-TYPE .75L
9	1	205043	INSTALL HARDWARE
10	1	210459	HITCH BALL AND NUT
11	1	211202	VALVE COVER
12	1	211481	Molding, Valve Cover (200249)
13	1	215128	BALL WELL DOOR WELDMENT
14	1	215230	CENTER TAILBOARD DOOR WELDMENT, UPPER
15	1	215400	Weldment, Tailboard Camera Mount
16	1	210892	Hinge Rod, Lid Recessed Well
17	2	210920	Hinge Clip

6/30/2021

XRT60 & XRT84 Common Parts



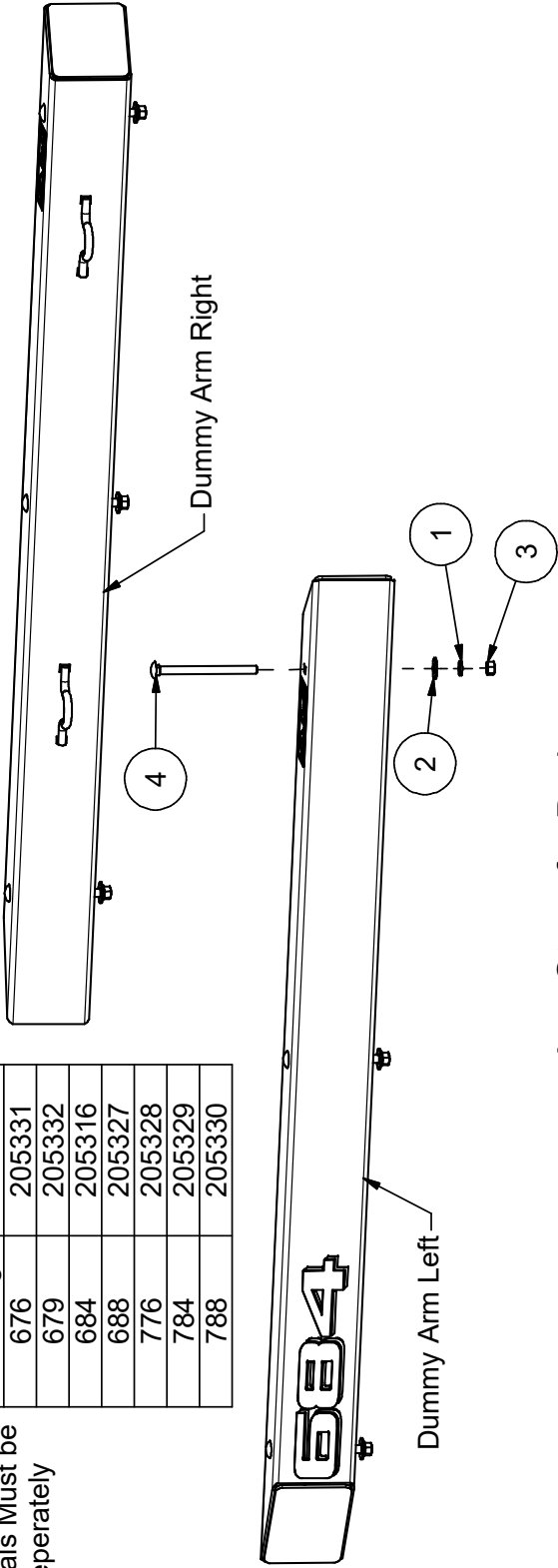
Parts List			DESCRIPTION
ITEM	QTY	PART #	DESCRIPTION
1	2	110440	BOLT, 3/8-16 X 1, WIZ FLANGE
2	2	110804	NUT, 3/8-16 U-TYPE .75L
3	10	110069	WASHER, 5/16" FLAT SAE
4	10	110319	NUT, 5/16-18 U-TYPE .75L
5	10	110423	BOLT, 5/16-18 X 1.0
6	1	205043	INSTALL HARDWARE
7	1	210459	HITCH BALL AND NUT
8	1	211202	VALVE COVER
9	6ft	211481	Molding, Valve Cover (200249)
10	1	215230	Weldment, Upper Center Tail Board Door
11	1	215459	WELDMENT, CAMERA, TAILBOARD
12	2	110244	BOLT, 1/2-13 X 1.5 SHCS
13	2	110588	NUT, 1/2-13 WIZ FLANGE
14	2	110658	WASHER, 1/2" FLAT STANDARD
15	1	215128	BALL WELL DOOR WELDMENT

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

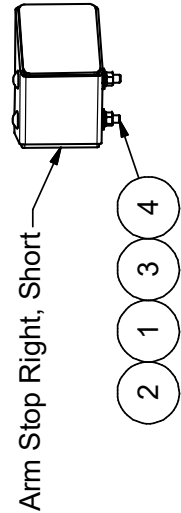
600 & 700 RT Series
Dummy Arms
& Arm Stops

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

* Model # Decals Must be
Ordered Separately



Arm Stops for Beds
With 40" Top Side Boxes

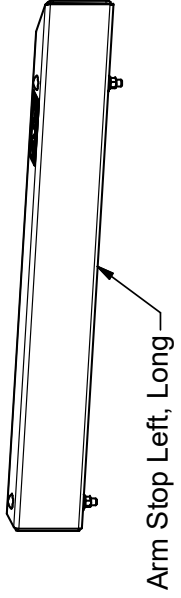
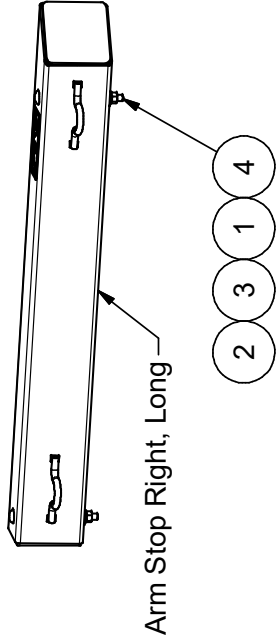


60 CA

Left Short -- 205421

Right Short -- 205422

84 CA
Left & Right Long -- 205419



Reel Transport Parallel Squeeze Crosstube & Arms

Starting S/N
21A01

Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	2	110365	BOLT, 5/8-18 X 1.5 GR 5
2	2	110663	WASHER, 5/8" FLAT SAE
3	1	120078	ADAPTER, 6MB-6MP (3/8 X 2-1/2)
4	1	120147	ADAPTER, 6MB-8MP90
5	1	120311	ADAPTER, 8MP-6FPX90
6	2	202023	BUSHING, 1.5 X 1.25 X 2.0 SPLIT CG/ID
7	2	211292	SHIELD, CROSSARM
8	2	420005	COUPLER, PIONEER MALE
9	10	110444	BOLT, 5/16-18 X 0.75, WIZ FLANGE
10	2	215140	PIN WELDMENT, 1-1/4 X 3
11	8	510174	GREASE ZERK, 1/4-28 ST
12	1	211993	Squeeze Arm Left RT, Silver Service Part
13	1	211994	Squeeze Arm Right RT, Silver Svc Part
14	1	223026	Cylinder, Sync 2 X 39.25

Crosstubes	
Bed Width	Bed #'s
85.375	676 & 679
93.0	684 & 688
96.5	776, 784 & 788

Part #	
Bed Width	Part #
85.375	215149
93.0	215162
96.5	215138

3/21/2022

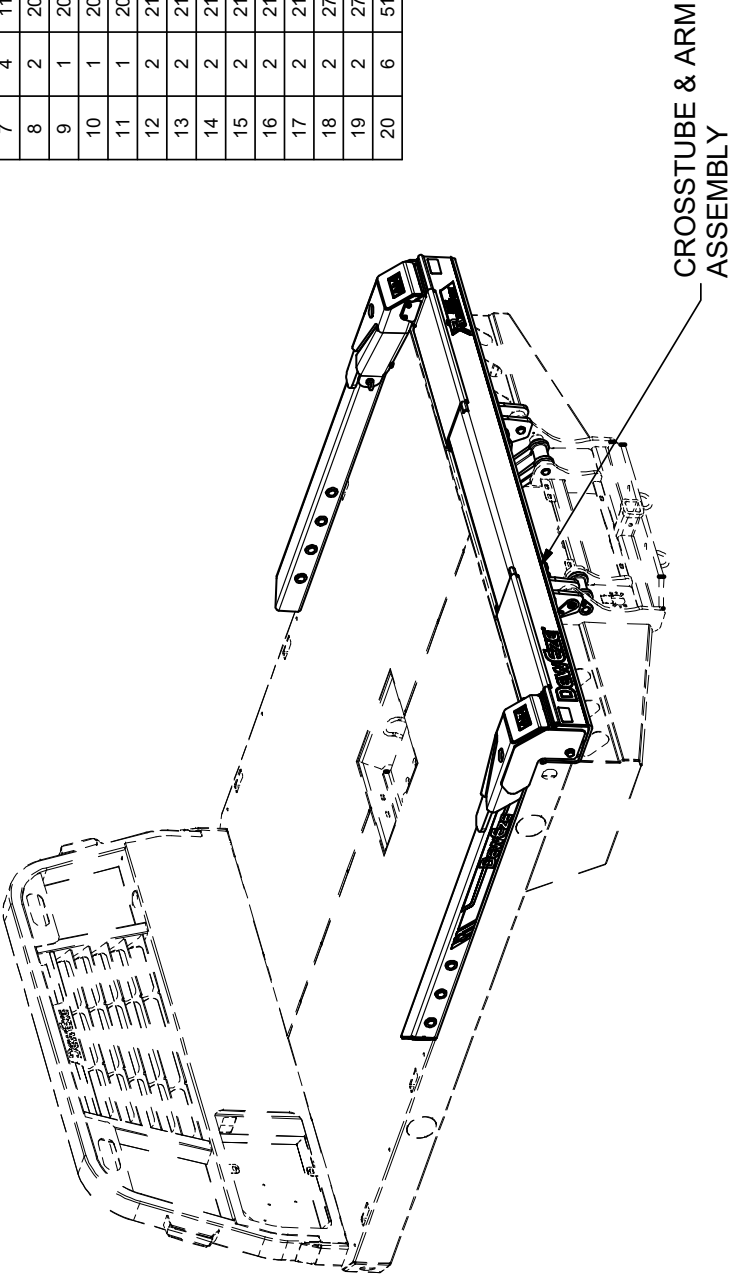
205409

REV: A

Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	4	110336	WASHER, 1-1/4" FLAT MACHINE
2	2	110365	BOLT, 5/8-18 X 1.5 GR 5
3	4	110426	BOLT, 5/16-18 X 0.5, WIZ FLANGE
4	2	110444	BOLT, 5/16-18 X 0.75, WIZ FLANGE
5	2	110663	WASHER, 5/8" FLAT SAE
6	4	111034	NUT, 1/2-13 LOCK NYLON
7	4	111209	BOLT, 1/2-13 X 1.75, WIZ FLANGE, Gr 8
8	2	200150	ROLL PIN, 1/4 X 2
9	1	205405	Crosstube XRT, Service Part
10	1	205406	Squeeze Arm Right, XRT
11	1	205407	Squeeze Arm Left, XRT
12	2	210935	Idler Arm, Machined
13	2	214012	Push Arm Assy, XRT
14	2	215141	PIN WELDMENT, 1-1/4 X 7
15	2	215142	PIN WELDMENT, 1-1/4 X 4
16	2	215427	Weldment, Crosstube Hinge Pin, 1-1/4
17	2	215428	Weldment, Crosstube Link Pin, 1-1/4
18	2	270102	Shield, XRT
19	2	270105	Shield Bracket
20	6	510174	GREASE ZERK, 1/4-28 ST

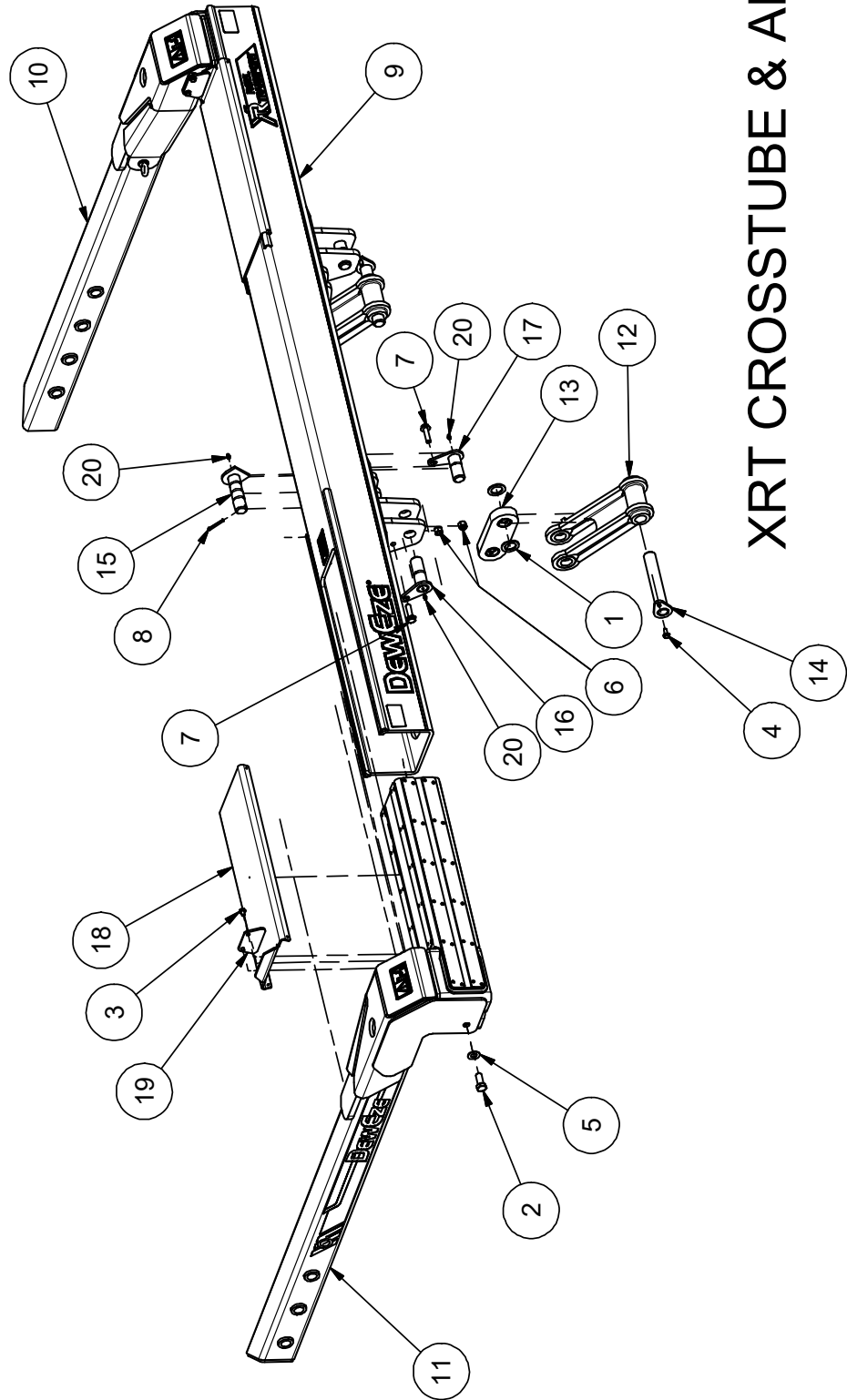
CROSSTUBE & ARM ASSEMBLY

XRT CROSSTUBE & ARMS ASSEMBLY



XRT CROSSTUBE & ARMS ASSEMBLY

Parts List				Parts List				Parts List				205409	REV: A
ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION		
1	4	110336	WASHER, 1-1/4" FLAT MACHINE	8	2	200150	ROLL PIN, 1/4 X 2	15	2	215142	PIN WELDMENT, 1-1/4 X 4		
2	2	110365	BOLT, 5/8-18 X 1.5 GR 5	9	1	205405	Crosstube XRT, Service Part	16	2	215427	Weldment, Crosstube Hinge Pin, 1-1/4		
3	4	110426	BOLT, 5/16-18 X 0.5, WIZ FLANGE	10	1	205406	Squeeze Arm Right, XRT	17	2	215428	Weldment, Crosstube Link Pin, 1-1/4		
4	2	110444	BOLT, 5/16-18 X 0.75, WIZ FLANGE	11	1	205407	Squeeze Arm Left, XRT	18	2	270102	Shield, XRT		
5	2	110663	WASHER, 5/8" FLAT SAE	12	2	210935	Idler Arm, Machined	19	2	270105	Shield Bracket		
6	4	111034	NUT, 1/2-13 LOCK NYLON	13	2	214012	Push Arm Assy, XRT	20	6	510174	GREASE ZERK, 1/4-28 ST		
7	4	111209	BOLT, 1/2-13 X 1.75, WIZ FLANGE, Gr 8	14	2	215141	PIN WELDMENT, 1-1/4 X 7						



205406

REV: NC

Parts List

ITEM	QTY	PART #	DESCRIPTION
1	1	202112	Decal, Hugger Arm, Right
2	2	202144	Decal, Safe Distance, Horizontal
3	1	275046	Weldment, XRT Squeeze Arm, Right

TRIM DECAL TO END HERE

TRIM 3 LINES OFF
DECAL TO AVOID BUSHING

1.2

1.1

.36

.875

2

3

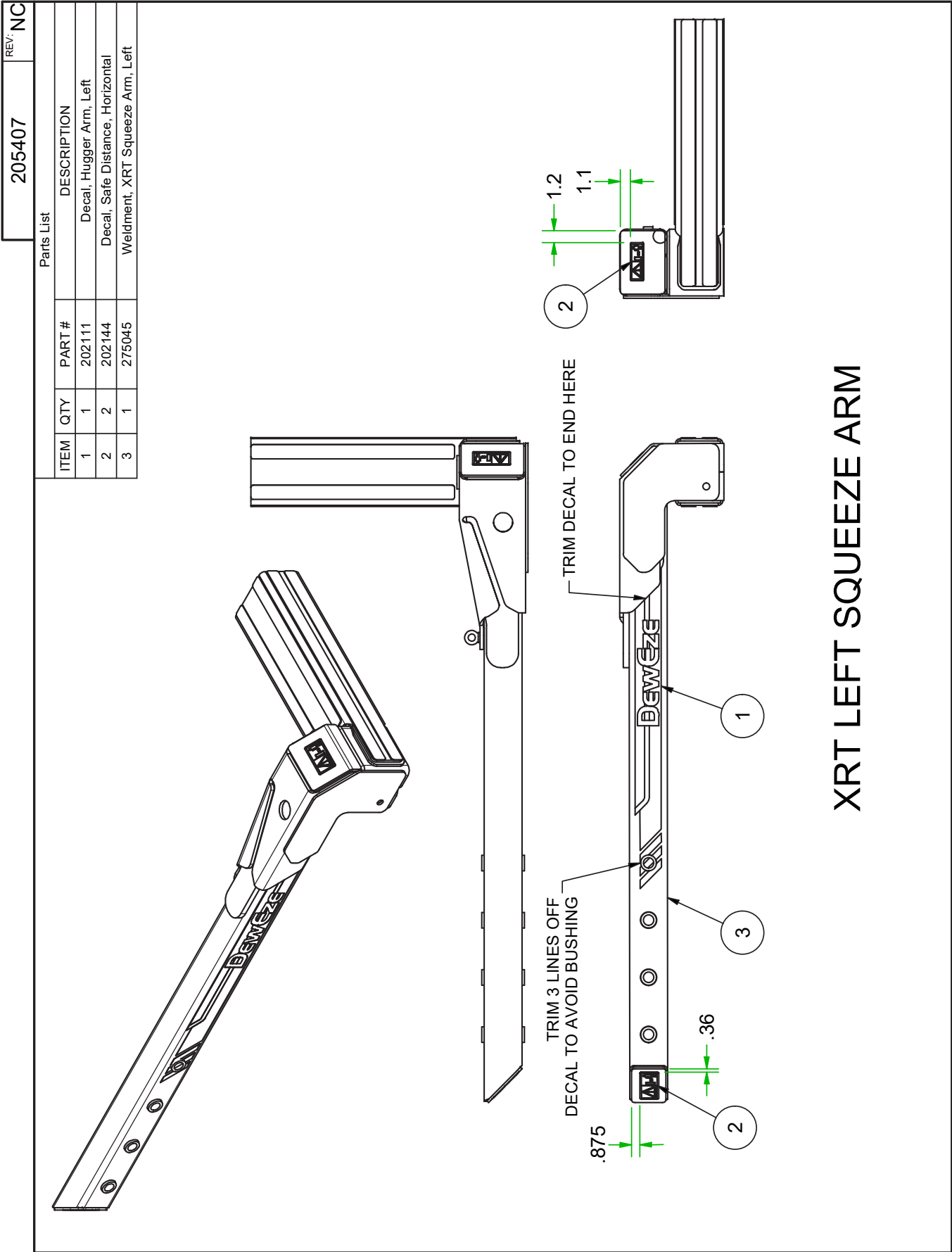
3

2

DEWEZE

SAFE DISTANCE

XRT RIGHT SQUEEZE ARM

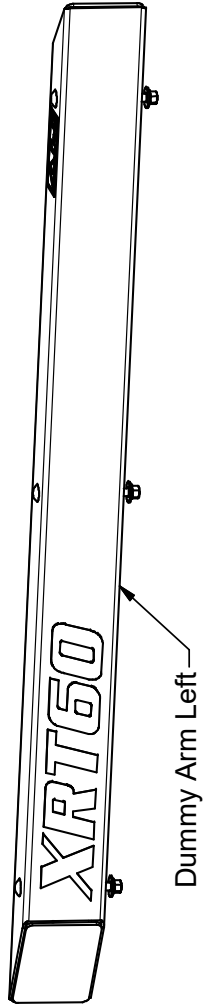
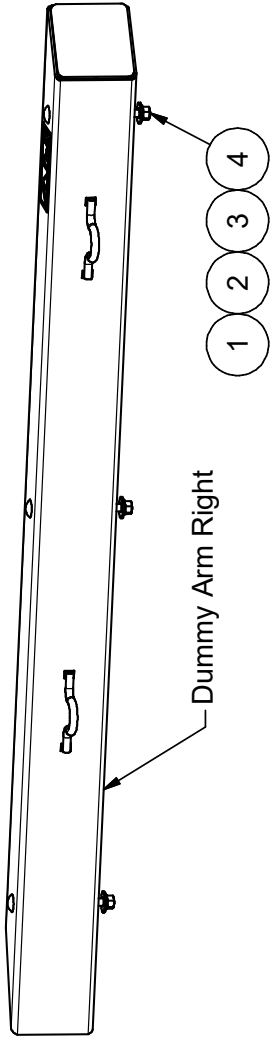


Parts List	
ITEM	PART # DESCRIPTION
1	110672 WASHER, 3/8" LOCK
2	110676 WASHER, 3/8" FLAT STANDARD
3	110826 NUT, 3/8-16 GR 5
4	110846 Bolt, 3/8-16 X 5 in Carriage

XRT 60 & 84
Dummy Arms
& Arm Stops

* Model # Decals Must be
Ordered Separately

Dummy Arms		
Left or Right	Part #	Decal #
XRT60	205316	202176
XRT84	205327	202177



Arm Stops for Beds
With 40" Top Side Boxes

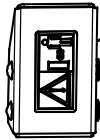
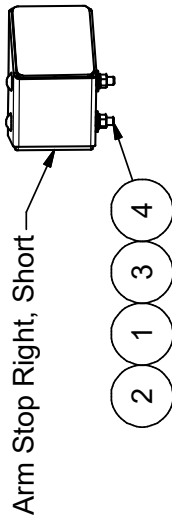
60 CA

Left Short -- 205421

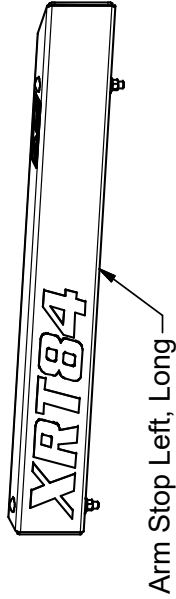
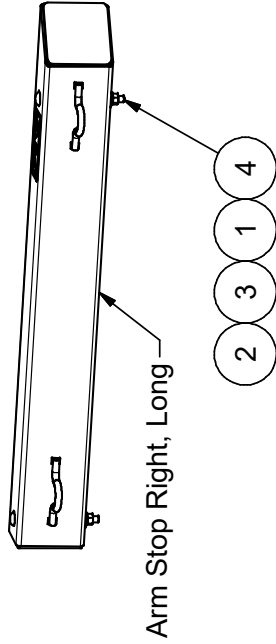
Right Short -- 205422

84 CA

Left & Right Long -- 205419



Arm Stop Left, Short

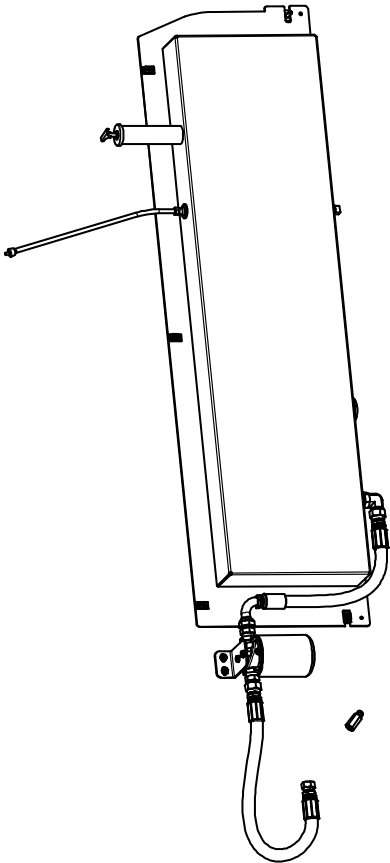


205385

REV: A

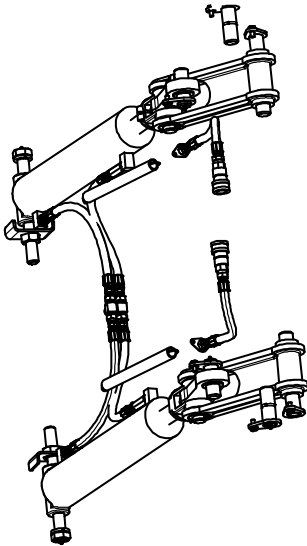
Parts List

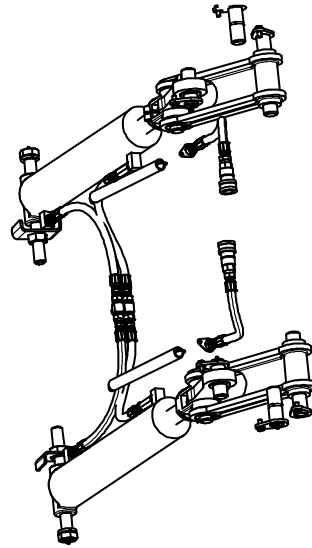
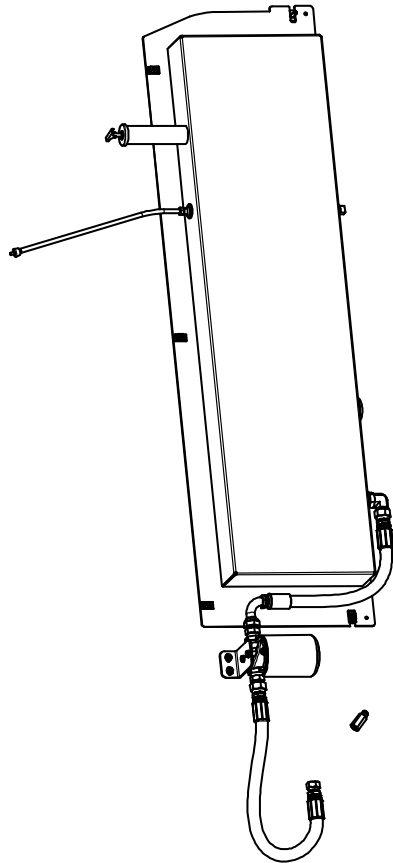
ITEM	QTY	PART #	DESCRIPTION
1	2	110290	NUT, 1/4-20 WIZ FLANGE
2	4	110336	WASHER, 1-1/4" FLAT MACHINE
3	4	110434	BOLT, 1/4-20 X 0.5, WIZ FLANGE
4	10	110444	BOLT, 5/16-18 X 0.75, WIZ FLANGE
5	1	110459	BOLT, 5/16-18 X 1, WIZ FLANGE



Parts List

ITEM	QTY	PART #	DESCRIPTION
6	4	110616	NUT, 5/16", J-TYPE, CAGE, .5C
7	2	110649	WASHER, 1" LOCK
8	2	110676	WASHER, 3/8" FLAT STANDARD
9	1	120237	ADAPTER, 4BH-4MP
10	2	120242	ADAPTER, 8MJ-8MJ-8MJ
11	2	120244	ADAPTER, 12MJ-12MP
12	1	120257	ADAPTER, 12MJ-12MB90
13	2	120319	ADAPTER, 6MJ-6MB
14	2	122038	Adapter, 6mb-6mb
15	2	122040	Adapter, Velocity 10gpm, 6mj-6fb
16	2	200150	ROLL PIN, 1/4 X 2
17	2	202022	SPRING, 1" O.D. X 12" L X .105 WIRE
18	2	210935	Idler Arm, Machined
19	2	214002	PUSH ARM ASSY, DUAL LIFT
20	2	215140	PIN WELDMENT, 1-1/4 X 3
21	2	215141	PIN WELDMENT, 1-1/4 X 7
22	2	215142	PIN WELDMENT, 1-1/4 X 4
23	2	215144	KEEPER, 1 IN NUT, WELDMENT
24	2	215148	PIN WELDMENT, CROSSTUBE LINK
25	1	220566	Dipstick Cap, Reservoir Flatbed
26	1	220587	VENT HOSE
27	1	222039	Valve, Check With .075 Orifice
28	2	223038	LIFT CYLINDER 3.50 X 16.6
29	1	223051	Hydraulic Hose Kit, Common
30	1	225012	Reservoir, Flatbed, Remote Filter
31	2	260111	MOUNT, HOSE SPRING
32	1	260265	MOUNTING BRACKET, FILTER
33	2	260760	Bolt, 1-8 x 10, Greasable
34	8	510174	GREASE ZERK, 1/4-28 ST
35	1	540031	FUEL FILTER
36	1	720041	FILTER HEAD
37	1	720043	FILTER, 10 MICRON





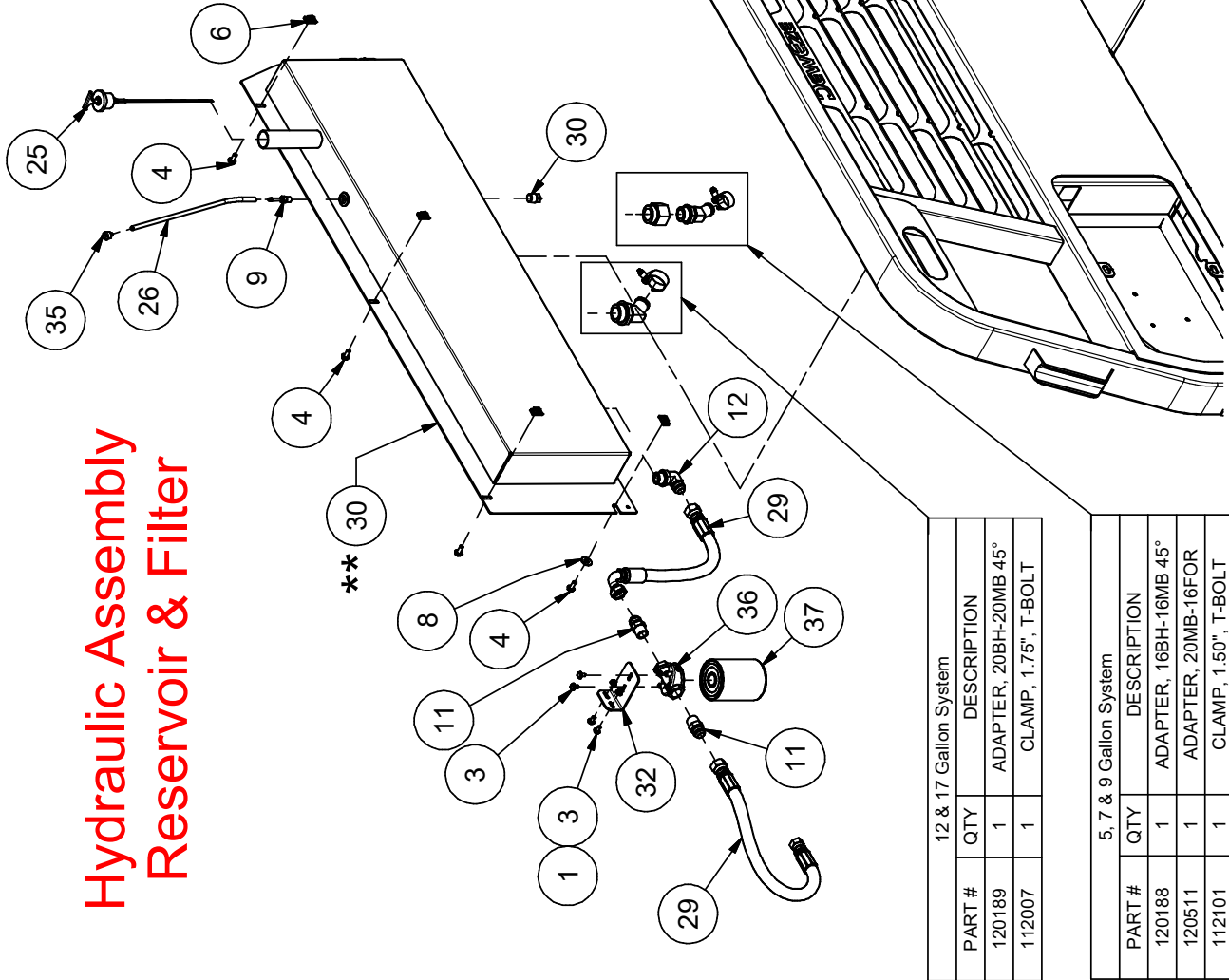
DewEze®

28

RT FLATBED



Hydraulic Assembly Reservoir & Filter



12 & 17 Gallon System	
PART #	QTY
120189	1
112007	1

5, 7 & 9 Gallon System	
PART #	QTY
120188	1
120511	1
112101	1

Parts List		
ITEM	QTY	DESCRIPTION
1	2	NUT, 1/4-20 WIZ FLANGE
3	4	BOLT, 1/4-20 X 0.5, WIZ FLANGE
4	4	BOLT, 5/16-18 X 0.75, WIZ FLANGE
5	1	BOLT, 5/16-18 X 1, WIZ FLANGE
6	4	NUT, 5/16", J-TYPE, CAGE, .5C
8	2	WASHER, 3/8" FLAT STANDARD
9	1	ADAPTER, 4BH-4MP
11	2	ADAPTER, 12MJ-12MP
12	1	ADAPTER, 12MJ-12MB90
25	1	Dipstick Cap, Reservoir Flatbed
26	1	VENT HOSE
29	1	Hydraulic Hose Kit, Common
30	1	Reservoir, Flatbed, Remote Filter
32	1	MOUNTING BRACKET, FILTER
35	1	FUEL FILTER
36	1	FILTER HEAD
37	1	FILTER, 10 MICRON

**** For Medium-Tall Headache Rack
Reservoir Part # -- 255033
Dipstick Cap Part # -- 220803**

ITEM

QTY

PART #

DESCRIPTION

1

2

110290

NUT, 1/4-20 WIZ FLANGE

2

4

110434

BOLT, 1/4-20 X 0.5, WIZ FLANGE

3

4

110444

BOLT, 5/16-18 X 0.75, WIZ FLANGE

4

1

110459

BOLT, 5/16-18 X 1, WIZ FLANGE

5

4

110616

NUT, 5/16", J-TYPE, CAGE, .5C

6

2

110649

WASHER, 1" LOCK

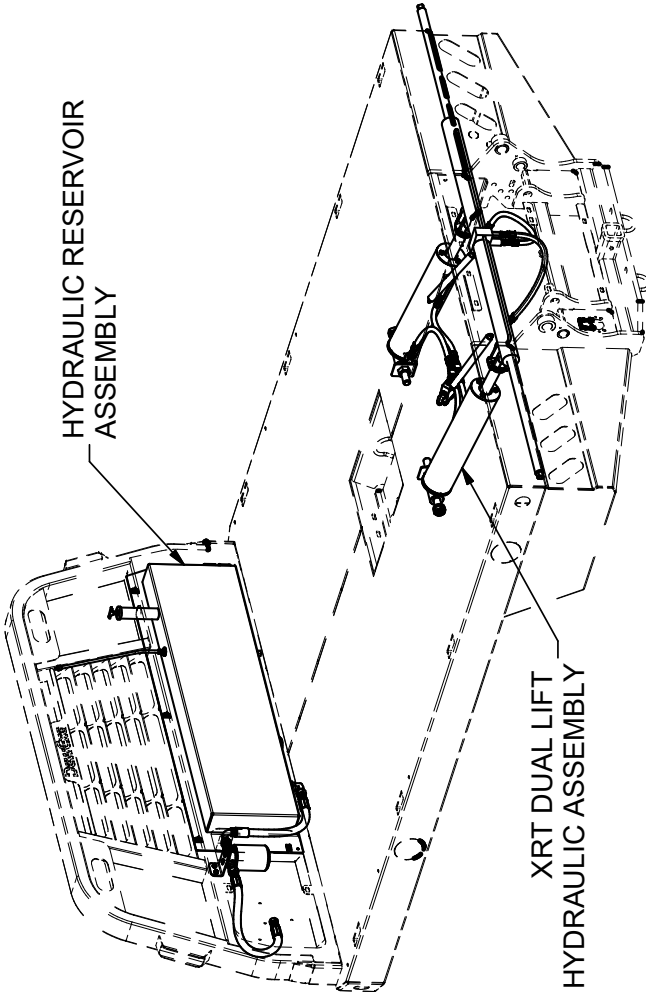
7

2

110676

WASHER, 3/8" FLAT STANDARD

HYDRAULIC RESERVOIR ASSEMBLY



ITEM

QTY

PART #

DESCRIPTION

8

1

120237

ADAPTER, 4BH-4MP

9

2

120242

ADAPTER, 8MJ-8MJ-8MJ

10

2

120244

ADAPTER, 12MJ-12MP

11

1

120257

ADAPTER, 12MJ-12MB90

12

2

120288

ADAPTER, 8MJ-8MB90

13

3

120319

ADAPTER, 6MJ-6MB

14

2

120601

ADAPTER, 8MB-8FJX

16

2

122038

Adapter, 6mb-6mb

17

2

122040

Adapter, Velocity 10gpm, 6mj-6fb

18

2

202022

SPRING, 1" O.D. X 12" L X .105 WIRE

19

2

215430

Weldment, Keeper 1" Nut

20

1

220566

Dipstick Cap, Reservoir Flatbed

21

1

220587

VENT HOSE

22

1

223093

Valve, Counter Balance, Cross Pilot

23

2

223094

Cylinder, Lift, 4.0 X 15.31

24

1

223095

Hydraulic Hose Kit, Common

25

1

223026

Cylinder, Sync 2 X 39.25

26

1

225012

Reservoir, Flatbed, Remote Filter

27

2

260111

MOUNT, HOSE SPRING

28

1

260265

MOUNTING BRACKET, FILTER

29

2

260760

Bolt, 1-8 x 10, Greasable

30

2

510174

GREASE ZERK, 1/4-28 ST

31

1

540031

FUEL FILTER

32

1

720041

FILTER HEAD

33

1

720043

FILTER, 10 MICRON

34

1

120484

ADAPTER, 6MJ-6MB-LONG

ITEM

QTY

PART #

Medium Tall XRT 205416 Rev B

35

1

220803

Dipstick Cap, Medium Tall

36

1

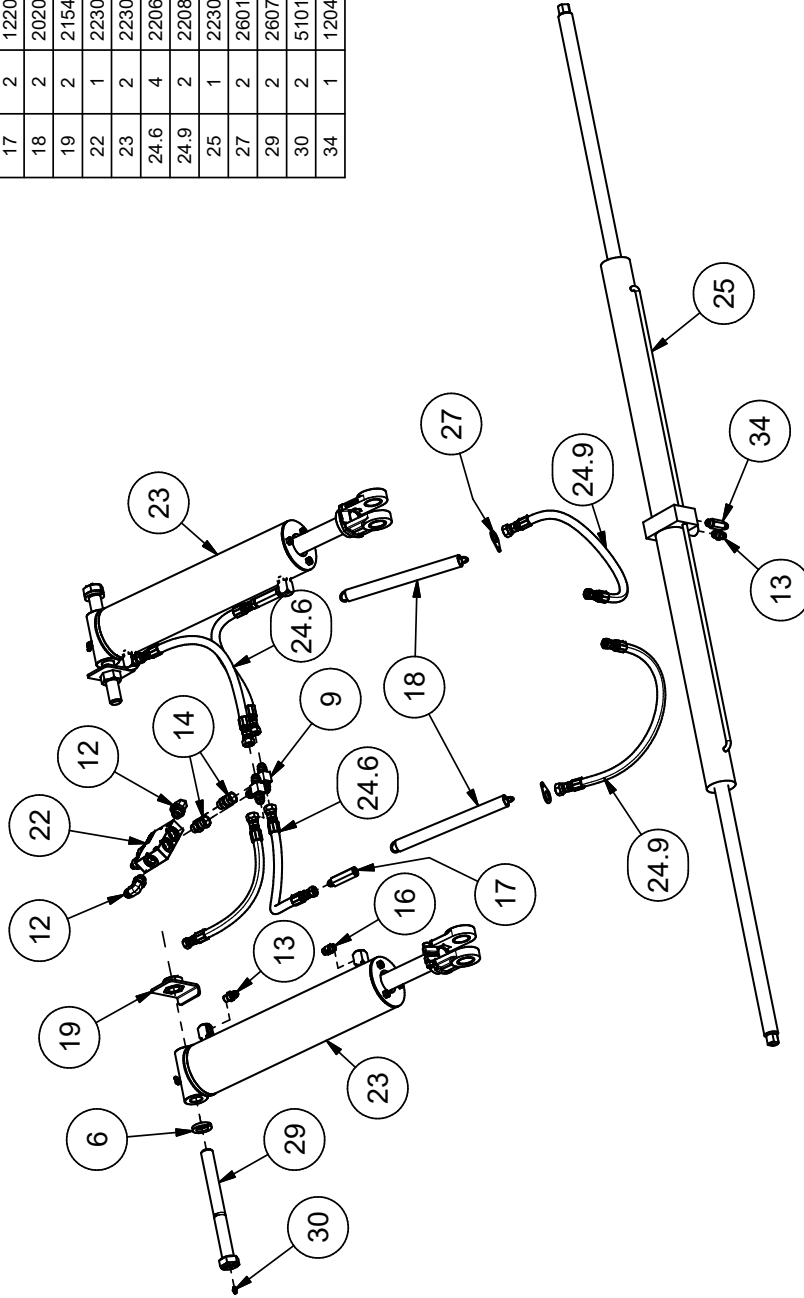
225033

Reservoir, Extended Filler, Remote Filler

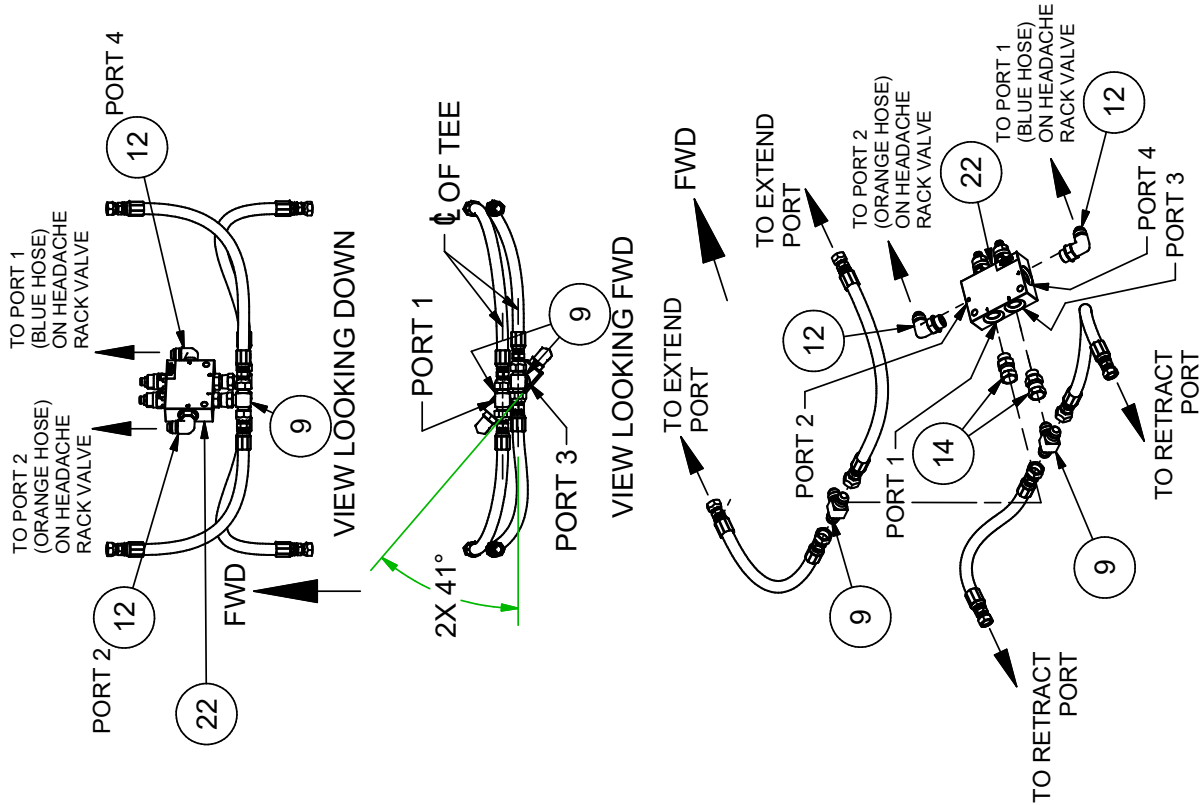
XRT HYDRAULICS

XRT HYDRAULIC ASSEMBLY

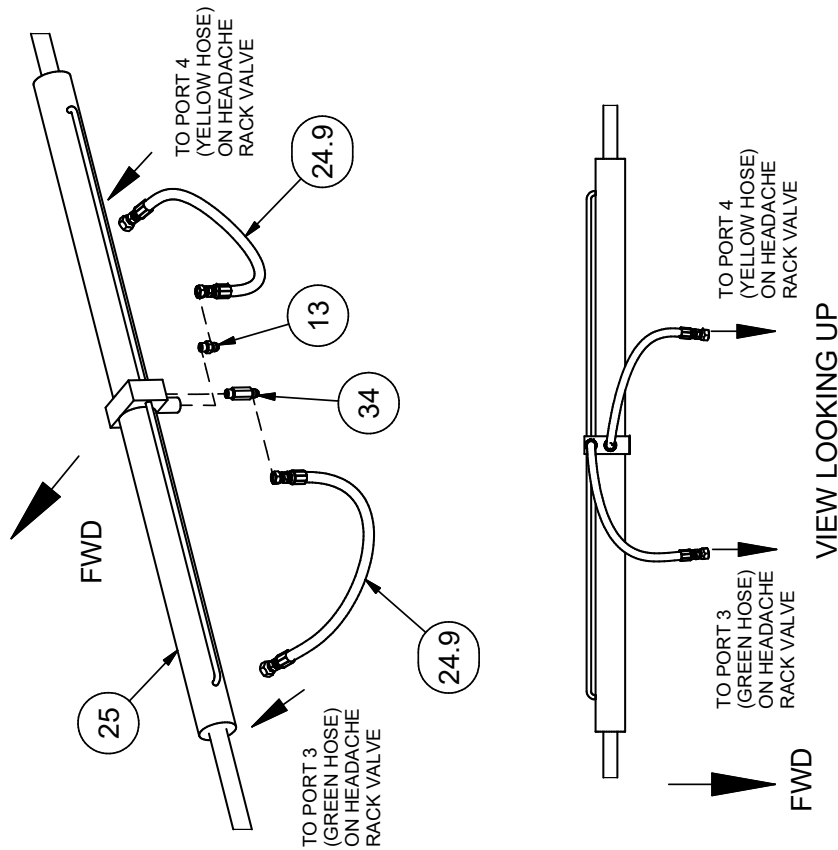
205404		REV: C	
Parts List			
ITEM	QTY	PART #	DESCRIPTION
6	2	110649	WASHER, 1" LOCK
9	2	120242	ADAPTER, 8MJ-8MJ-8MJ
12	2	120288	ADAPTER, 8MJ-8MB90
13	3	120319	ADAPTER, 6MJ-6MB
14	2	120601	ADAPTER, 8MB-8F-JX
16	2	122038	Adapter, 6mb-6mb
17	2	122040	Adapter, Velocity 10gpm, 6mj-6fb
18	2	202022	SPRING, 1" O.D. X 12" L X .105 WIRE
19	2	215430	Weldment, Keeper 1" Nut
22	1	223093	Valve, Counter Balance, Cross Pilot
23	2	223094	Cylinder, Lift, 4.0 X 15.31
24.6	4	220681	HOSE ASSY, FLATBED DUAL LIFT
24.9	2	220853	HOSE ASSY, FLATBED SQUEEZE SHORT
25	1	223026	Cylinder, Sync 2 X 39.25
27	2	260111	MOUNT, HOSE SPRING
29	2	260760	Bolt, 1-8 x 10, Greasable
30	2	510174	GREASE ZERK, 1/4-28 ST
34	1	120484	ADAPTER, 6MJ-6MB-LONG



XRT LIFT CYLINDER VALVE



XRT SQUEEZE CYLINDER

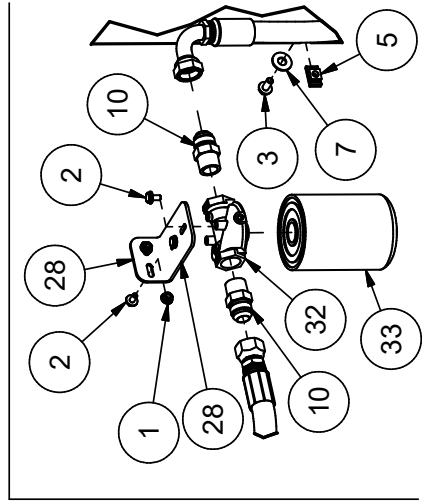
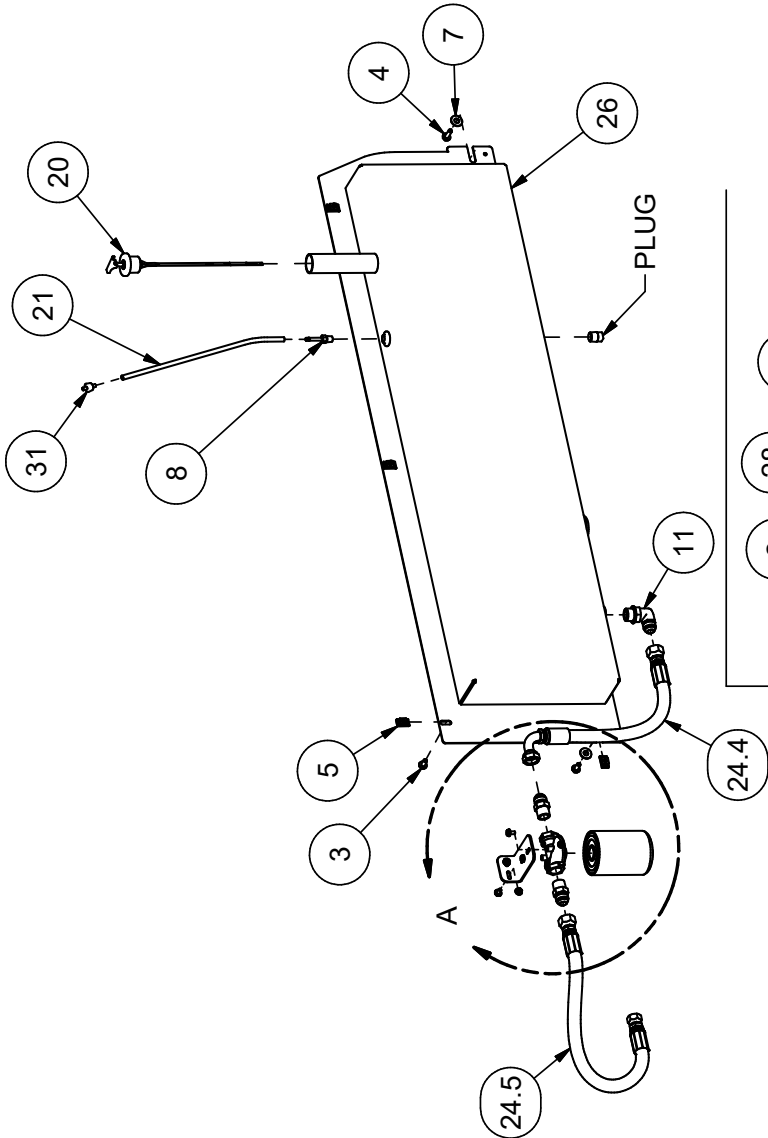


205404 REV: C

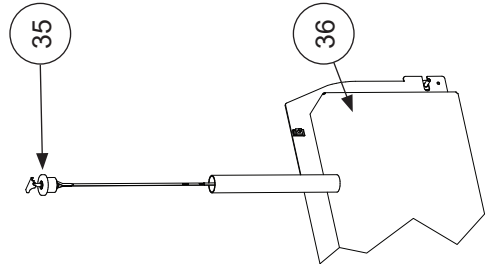
XRT RESERVOIR ASSEMBLY

Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	2	110290	NUT, 1/4-20 WIZ FLANGE
2	4	110434	BOLT, 1/4-20 X 0.5, WIZ FLANGE
3	4	110444	BOLT, 5/16-18 X 0.75, WIZ FLANGE
4	1	110459	BOLT, 5/16-18 X 1, WIZ FLANGE
5	4	110616	NUT, 5/16", J-TYPE, CAGE, .5C
7	2	110676	WASHER, 3/8" FLAT STANDARD
8	1	120237	ADAPTER, 4BH-4MP
10	2	120244	ADAPTER, 12MJ-12MP
11	1	120257	ADAPTER, 12MJ-12MB90
20	1	220566	Dipstick Cap, Reservoir Flatbed
21	1	220587	VENT HOSE
24.4	1	220700	FILTER TO RESERVOIR HOSE
24.5	1	220723	HOSE, VALVE TO FILTER
26	1	225012	Reservoir, Flatbed, Remote Filter
28	1	260265	MOUNTING BRACKET, FILTER
31	1	540031	FUEL FILTER
32	1	720041	FILTER HEAD
33	1	720043	FILTER, 10 MICRON

ITEM	QTY	PART #	Medium Tail XRT 205416 Rev B
35	1	220803	Dipstick Cap, Medium Tail
36	1	225033	Reservoir, Extended Filler, Remote Filter



DETAIL A



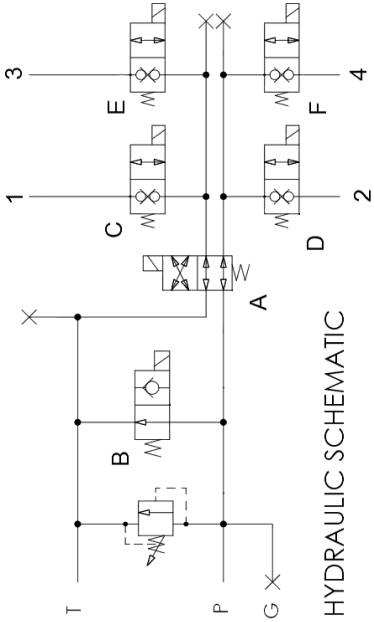
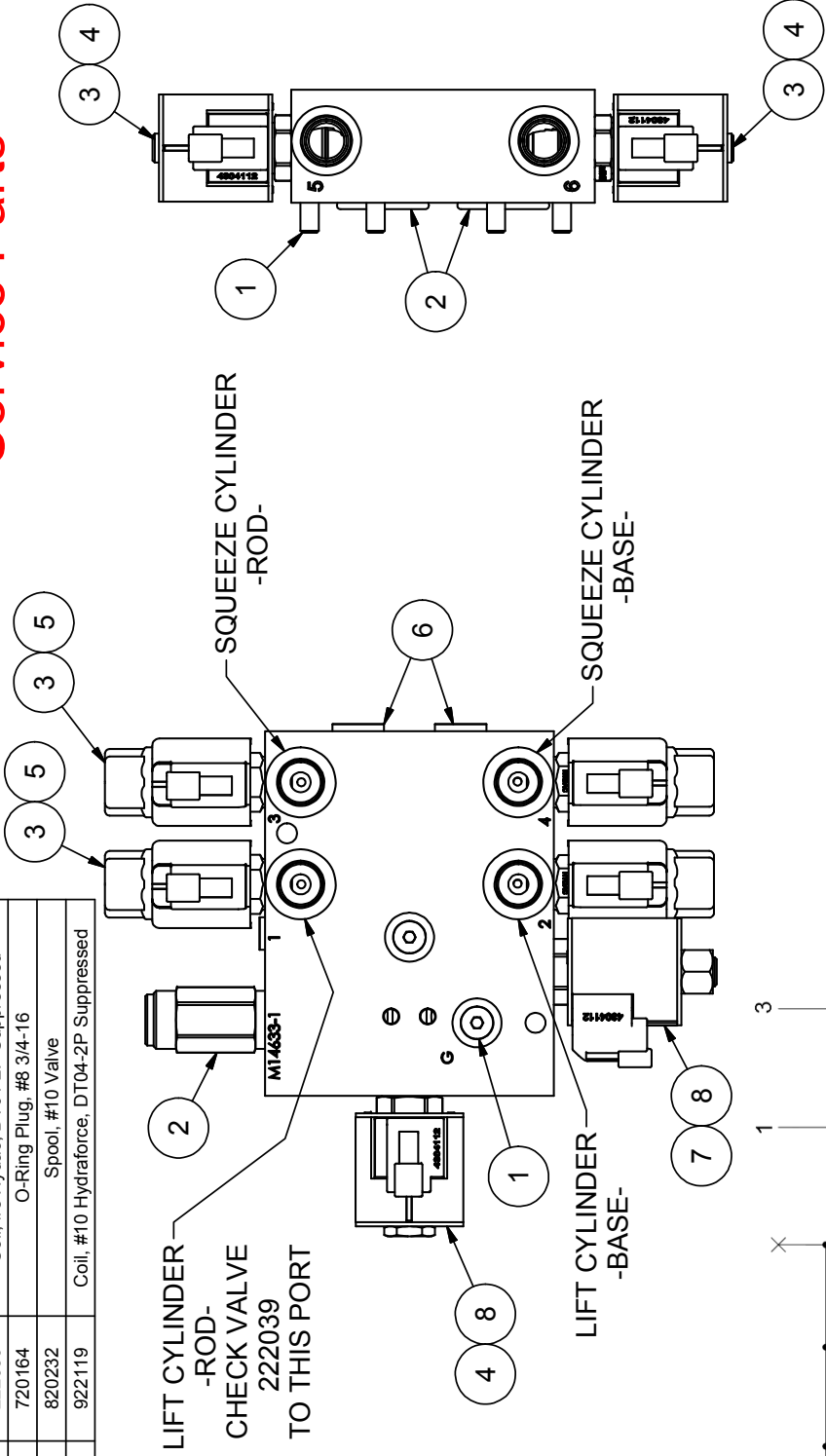
Valve & Filter

Gen 3 Double Poppet

Parts List		
ITEM	QTY	DESCRIPTION
1	2	BOLT, 5/16-18 X 3.0
2	2	NUT, 5/16-18
3	2	WASHER, 5/16" LOCK
4	2	ADAPTER, 6MJ-8MB90
5	1	ADAPTER, 8MJ-8MB
6	2	ADAPTER, 8MJ-8MB90
7	1	ADAPTER, 10MJ-8MB
8	2	NUT, 1/4-20 WIZ FLANGE
9	4	BOLT, 1/4-20 X 0.5, WIZ FLANGE
10	2	ADAPTER, 12MJ-12MP
11	1	MOUNTING BRACKET, FILTER
12	1	FILTER HEAD
13	1	FILTER, 10 MICRON
14	1	HOSE, VALVE TO FILTER
15	1	Valve, Check With .075 Orifice
16	1	Flatbed Valve, Small, Monoblock Ver II

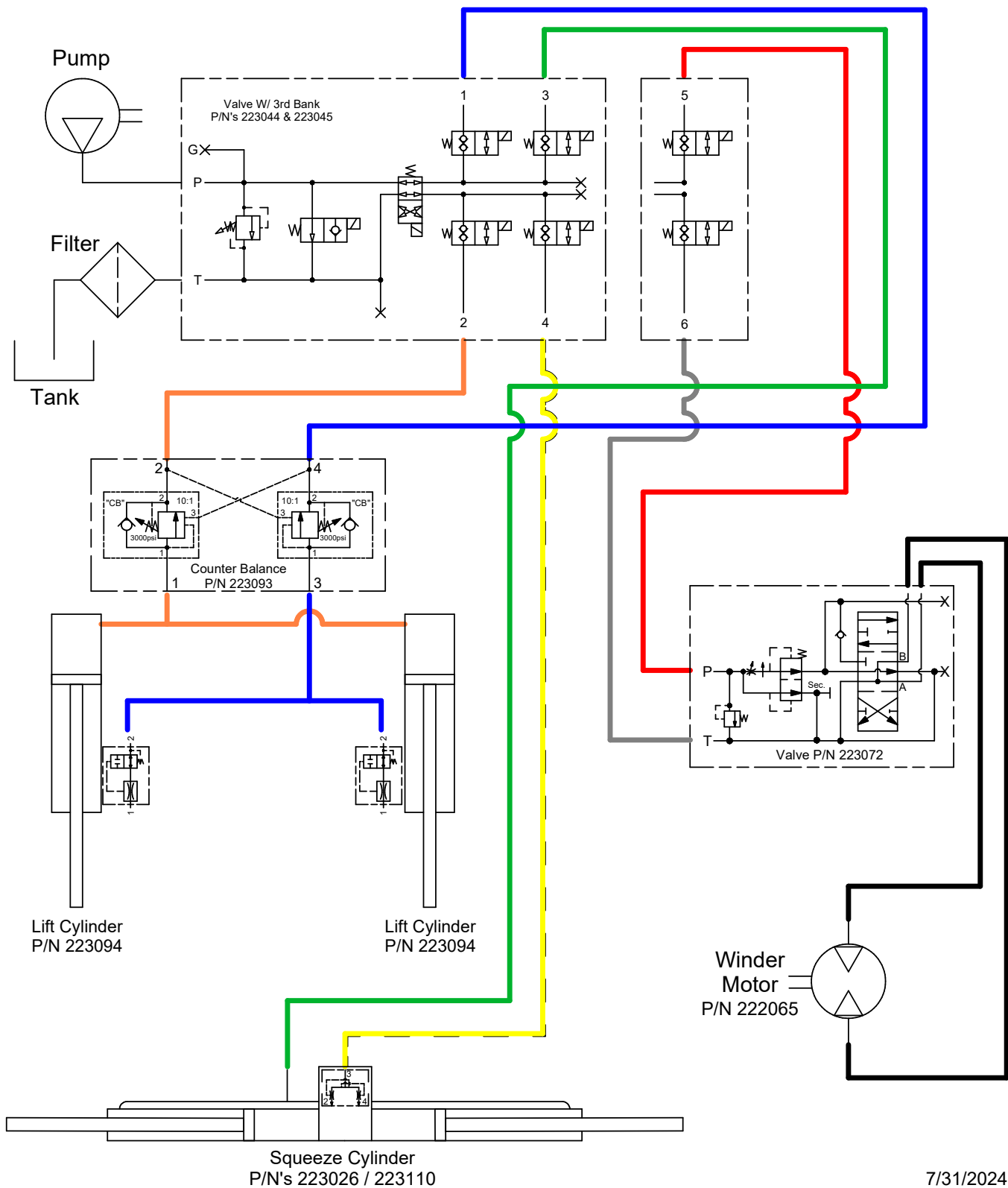
Flatbed Valve, Small, Hydac Deutsch P/N 223044		
ITEM	QTY	PART # DESCRIPTION
1	3	120062 O-Ring Plug, #4 7/16-20
2	1	222004 Valve, Pressure Relief
3	4	222010 Cartridge, #8 HYDAC Double Poppet
4	1	222045 #10 SOLENOID, 2 POSITION 4 WAY
5	4	222059 Coil, #8 Hydac, DT04-2P Suppressed
6	2	720164 O-Ring Plug, #8 3/4-16
7	1	820232 Spool, #10 Valve
8	2	922119 Coil, #10 Hydratforce, DT04-2P Suppressed

Flatbed Valve
-08 Hydac Deutsch
Service Parts



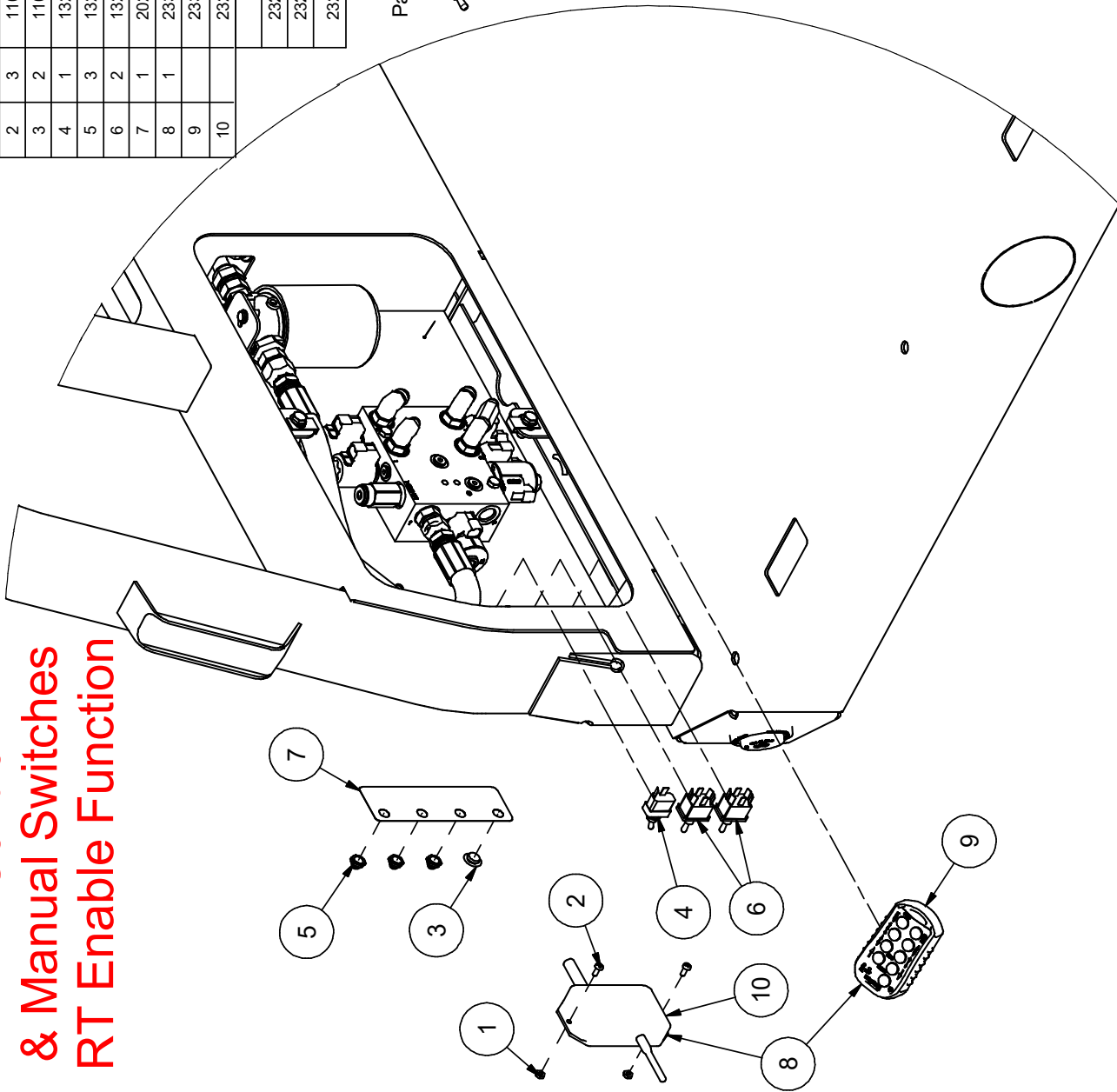
Valve, 3rd Bank add on P/N 223045		
ITEM	QTY	PART # DESCRIPTION
1	4	110168 BOLT, 5/16-18 X 2.0 SHCS
2	2	120376 O-RING, -219, 90 DURO
3	2	222003 Valve, Poppet N.C. SOL VALVE
4	2	922119 Coil, #10 Hydratforce, DT04-2P Suppressed

XRT Hydraulic Schematic



7/31/2024

RF Control
& Manual Switches
RT Enable Function



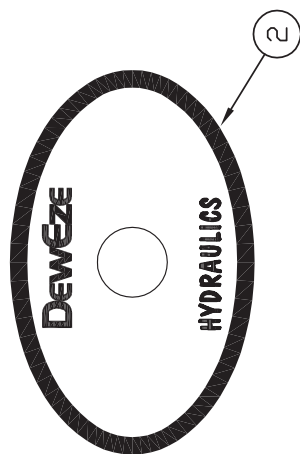
Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	3	110119	NUT, 10-24 LOCK
2	3	110264	BOLT, 10-24 X .5 STAINLESS, PHILLIPS
3	2	110753	PLUG, 1/2" BUTTON PLASTIC
4	1	132027	Switch, Spst, Toggle .250 Tab
5	3	132035	SWITCH BOOT
6	2	132127	Switch, Toggle, DPDT, (On)-OFF-(ON)
7	1	202003	DECAL, SWITCH IDENTIFICATION
8	1	233012	Transmitter & Receiver, Macro, Kar-Tech
9		233011	Transmitter, Kar-Tech
10		232197	Receiver, W/Enable Function
Not Shown			
		232182	Harness, Reel Transport, 2 Bank
		232183	Harness, Reel Transport, 3rd Bank
		232245	Charging Cable, USB 2.0 A to Micro B, 3'

Part # 132134

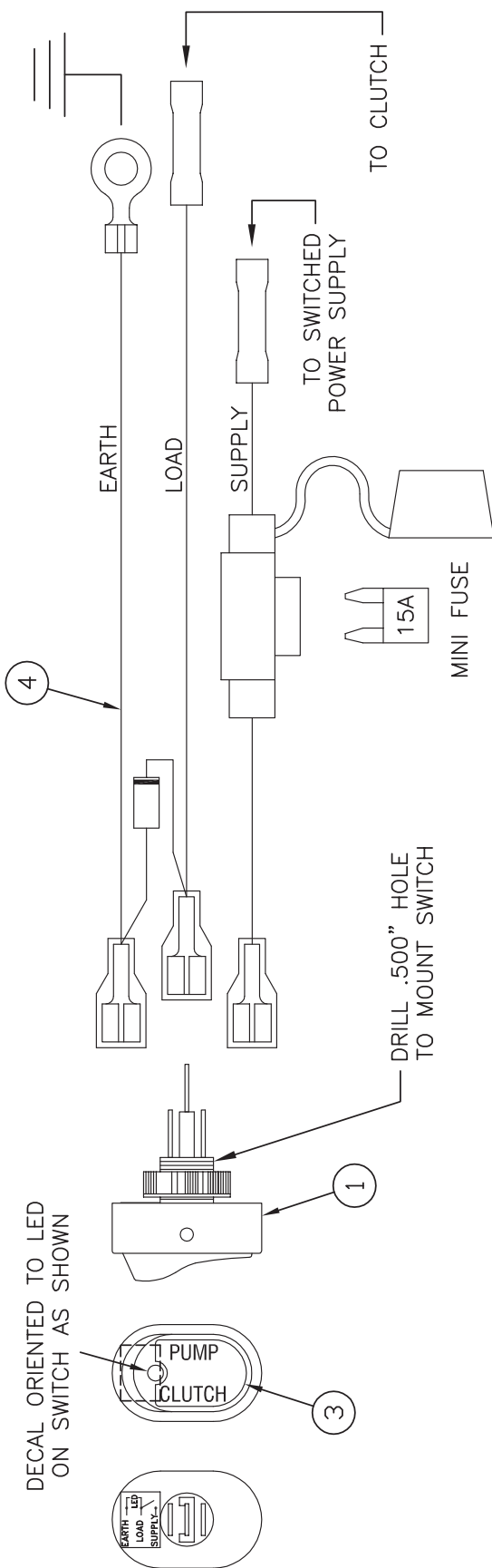


Note: Optional Latching Switch
On-Off-On is Available

ITEM	QUAN	PART #	NAME
1	1	132044	SWITCH, SPST ROCKER LED
2	1	702002	DECAL, DEWEZE HYDRAULICS
3	1	702061	DECAL, PUMP CLUTCH
4	1	732002	HARNESS, CLUTCH CONTROL



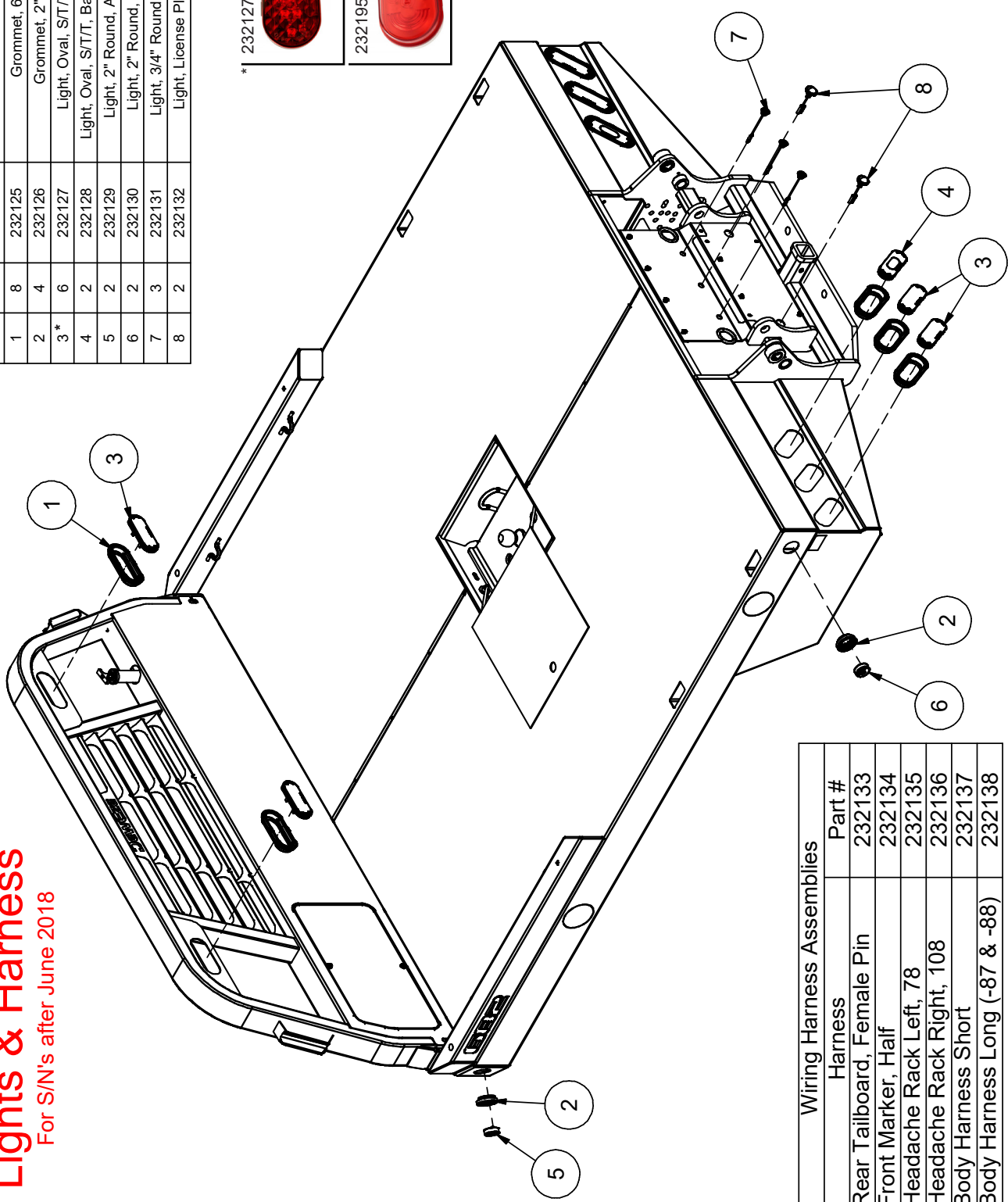
DECAL ORIENTED TO LED
ON SWITCH AS SHOWN



SWITCH, CLUTCH CONTROL ASSY 735001

Lights & Harness
For S/N's after June 2018

Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	8	232125	Grommet, 6" Oval, Grote
2	4	232126	Grommet, 2" Round, Grote
3*	6	232127	Light, Oval, S/T/T, Male Pin, Grote
4	2	232128	Light, Oval, S/T/T, BackUp, Male Pin, Grote
5	2	232129	Light, 2" Round, Amber, Grote 47113
6	2	232130	Light, 2" Round, Red, Grote 47112
7	3	232131	Light, 3/4" Round, Red, Grote 49332
8	2	232132	Light, License Plate, w/Plug, Grote



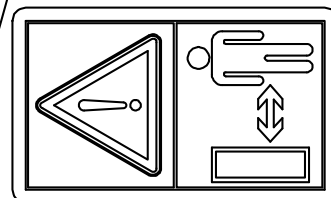
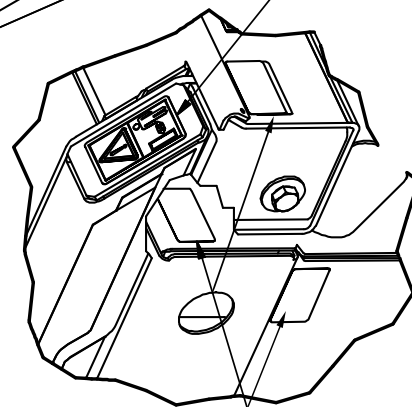
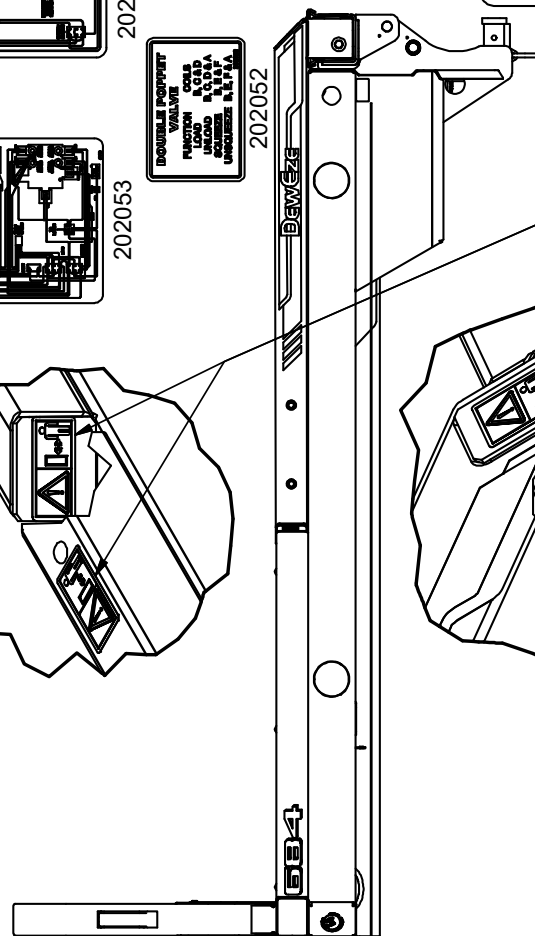
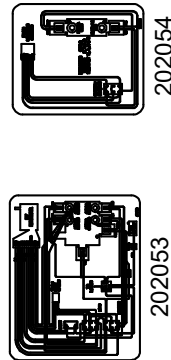
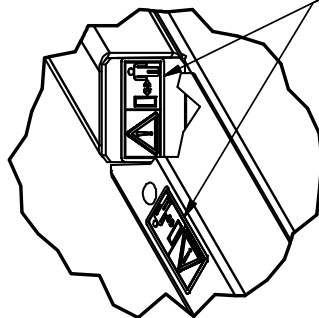
Wiring Harness Assemblies	
Harness	Part #
Rear Tailboard, Female Pin	232133
Front Marker, Half	232134
Headache Rack Left, 78	232135
Headache Rack Right, 108	232136
Body Harness Short	232137
Body Harness Long (-87 & -88)	232138

HARNESS ADAPTERS: OEM TO DEWEZE

ITEM		DESCRIPTION	YEAR
232235	FORD	Harness Adapter Ford BTO	2023 +
232184		Harness Adapter Ford BTO	2020 - 2022
232119		Harness Adapter Ford BTO	2017 - 2019
232118		Harness Adapter Ford BTO	2011 - 2016
232046		Harness Adapter Ford BTO	2000 - 2010
232192		Harness, Ford with BLIS (Add-on Harness)	-
232047		Harness Adapter Ford CC	2000 - 2024
232237	CHEVY	Harness Adapter Chevy / GMC BTO	2024
232181		Harness Adapter Chevy / GMC BTO	2020 - 2023
232117		Harness Adapter Chevy / GMC CC & BTO	2016 - 2019
232116		Harness Adapter Chevy / GMC CC & BTO	2015
232050		Harness Adapter Chevy / GMC BTO	2002 - 2014
232050		Harness Adapter Chevy / GMC CC	2002 - 2014
232186		Harness Adapter Chevy / GMC CC	2020 - 2023
232194	DODGE	Harness Adapter Dodge / Ram BTO Incandescent	2000 - 2023
232233		Harness Adapter Dodge / Ram BTO LED Add (x2) to the 232194	2000 - 2023
232059		Harness Adapter Dodge / Ram CC	2007 - 2024
232049		Harness Generic, Flatbed to Blunt Cut	-
232079		LED Load Equalizer (Maxxima)(PL3 Connector)(Yellow Male/Black Female)	-
232143		LED Load Equalizer (Grote Connector) (Round)(Blue Male/Blue Female)	-

With Enable-Function

INSIDE OF VALVE COVER -
2 BANK 3rd BANK



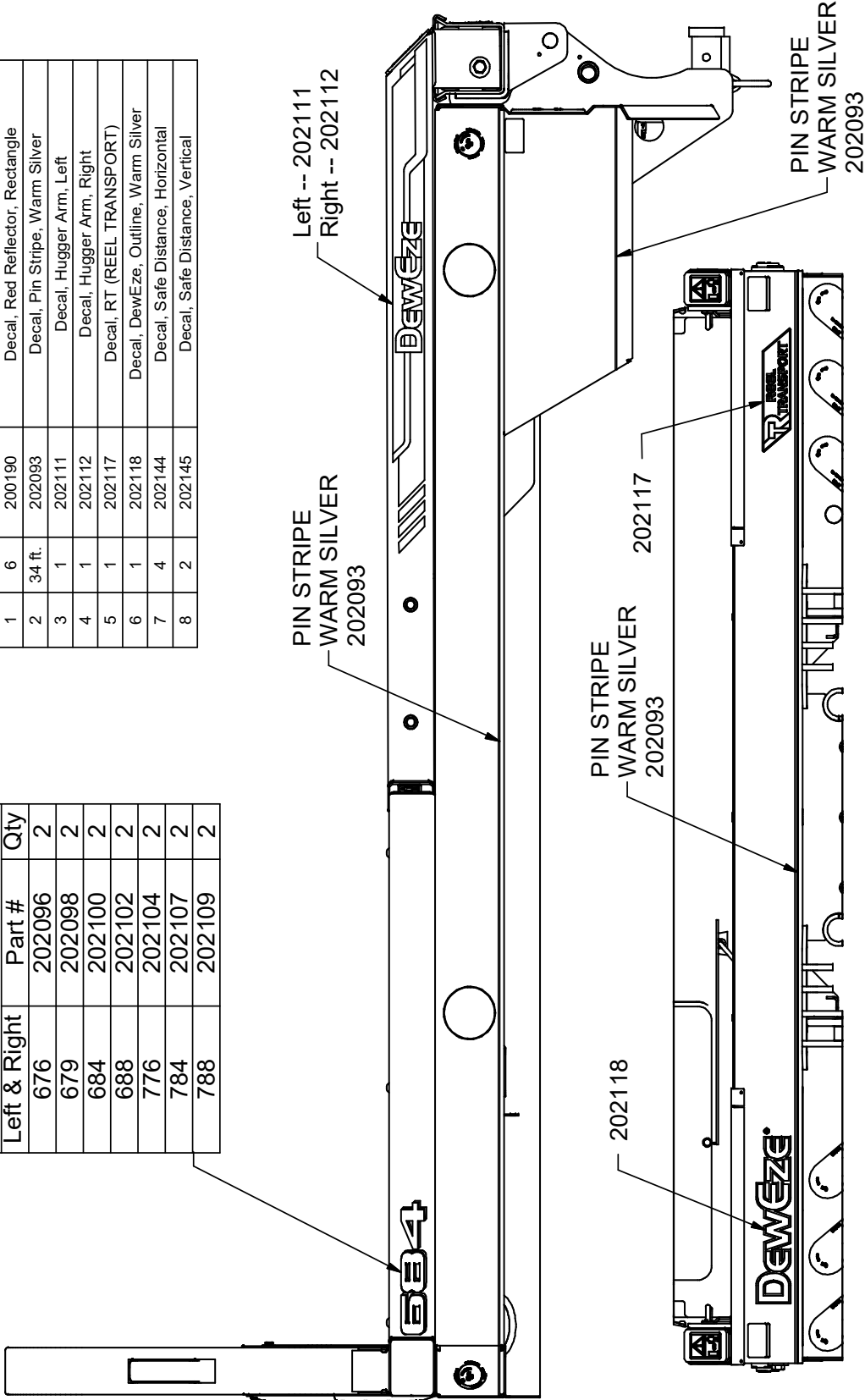
IT IS THE OWNER'S RESPONSIBILITY TO REPLACE MISSING OR DAMAGED WARNING DECALS. DECALS ARE AVAILABLE FROM YOUR DEALER OR FROM THE DEWEZE FACTORY.

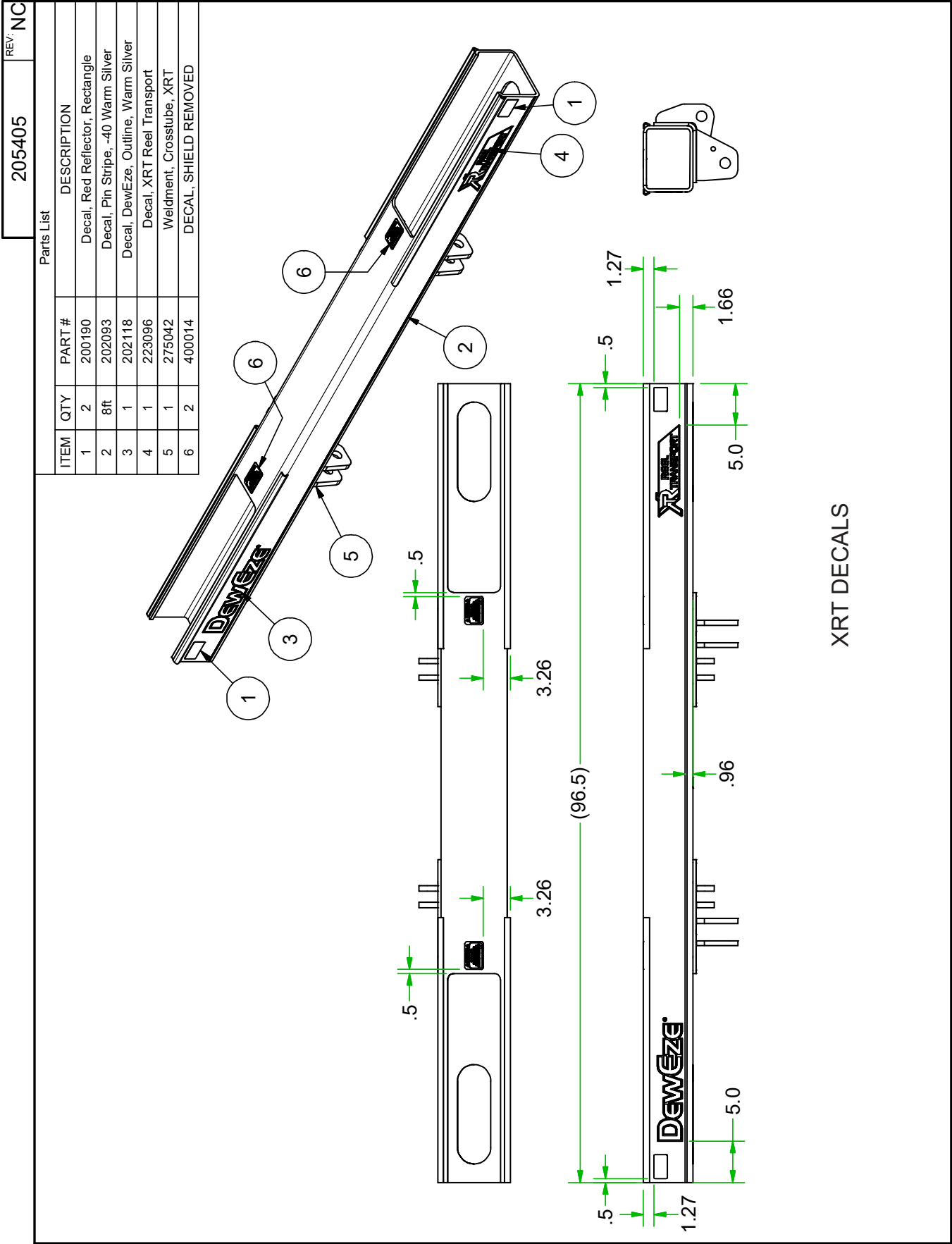
600 & 700 RT Series Decals

* Model # Decals Must be
Ordered Separately

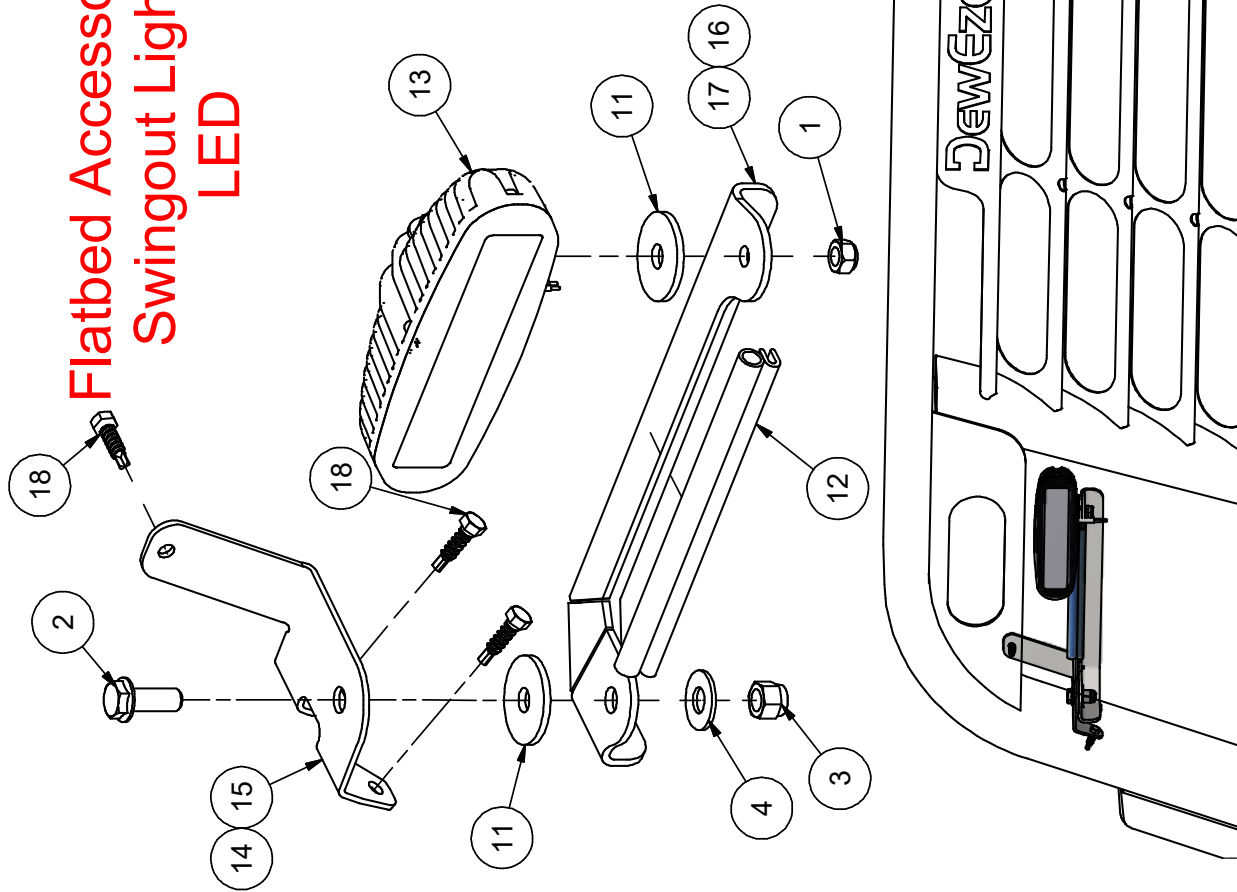
Model # Decals		
Left & Right	Part #	Qty
676	202096	2
679	202098	2
684	202100	2
688	202102	2
776	202104	2
784	202107	2
788	202109	2

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





Flatbed Accessories Swingout Lights LED

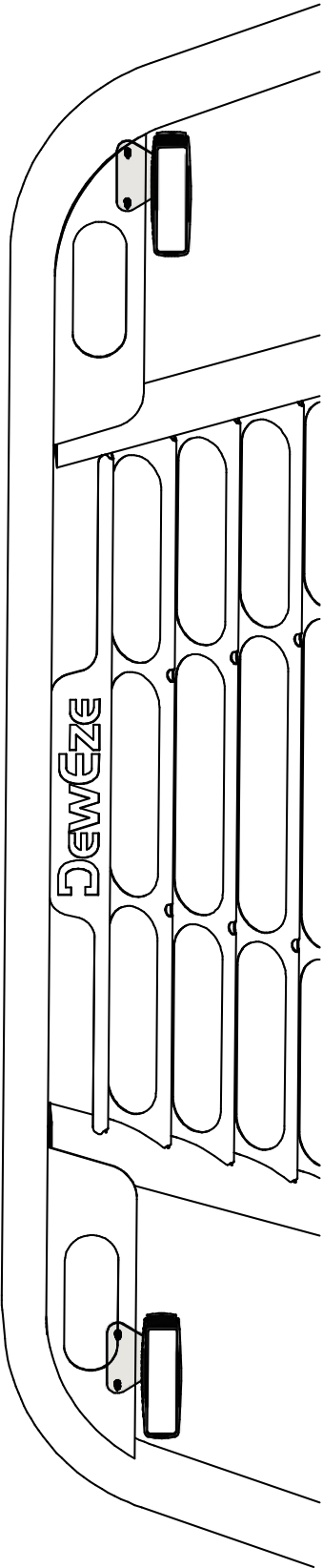
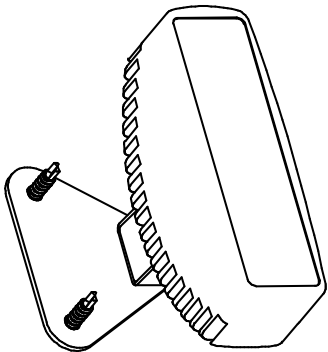
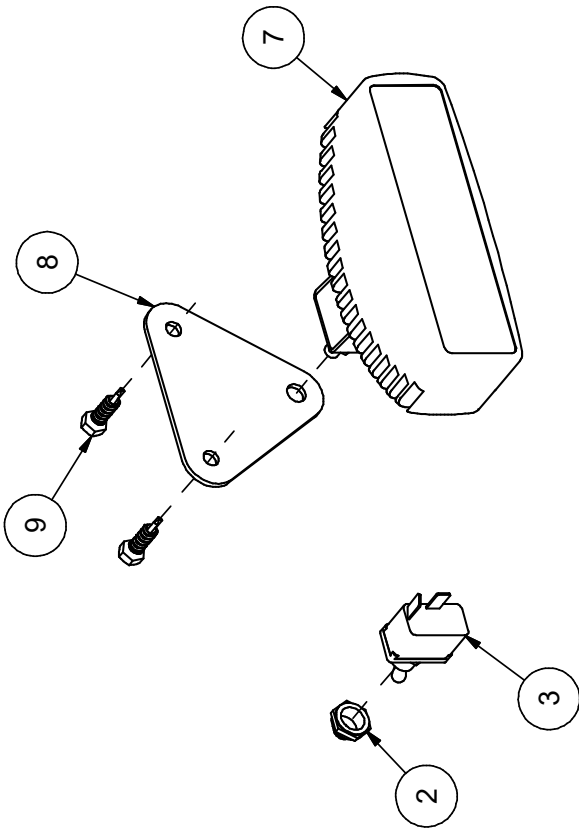


Swingout Light Kit, Part# 205114

ITEM	QTY	PART #	DESCRIPTION
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	FRICITION 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

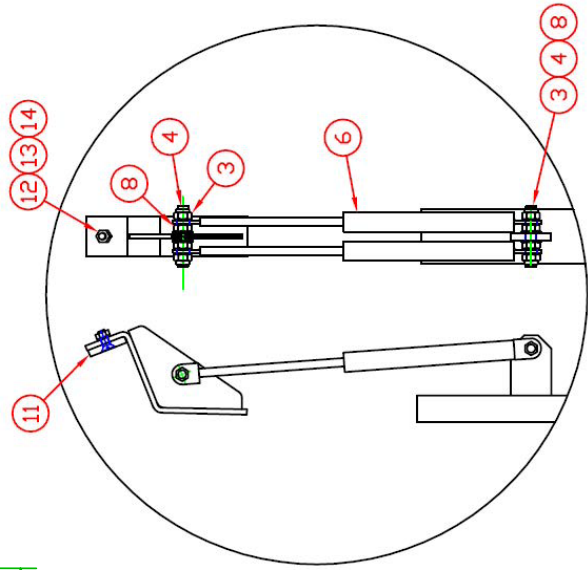
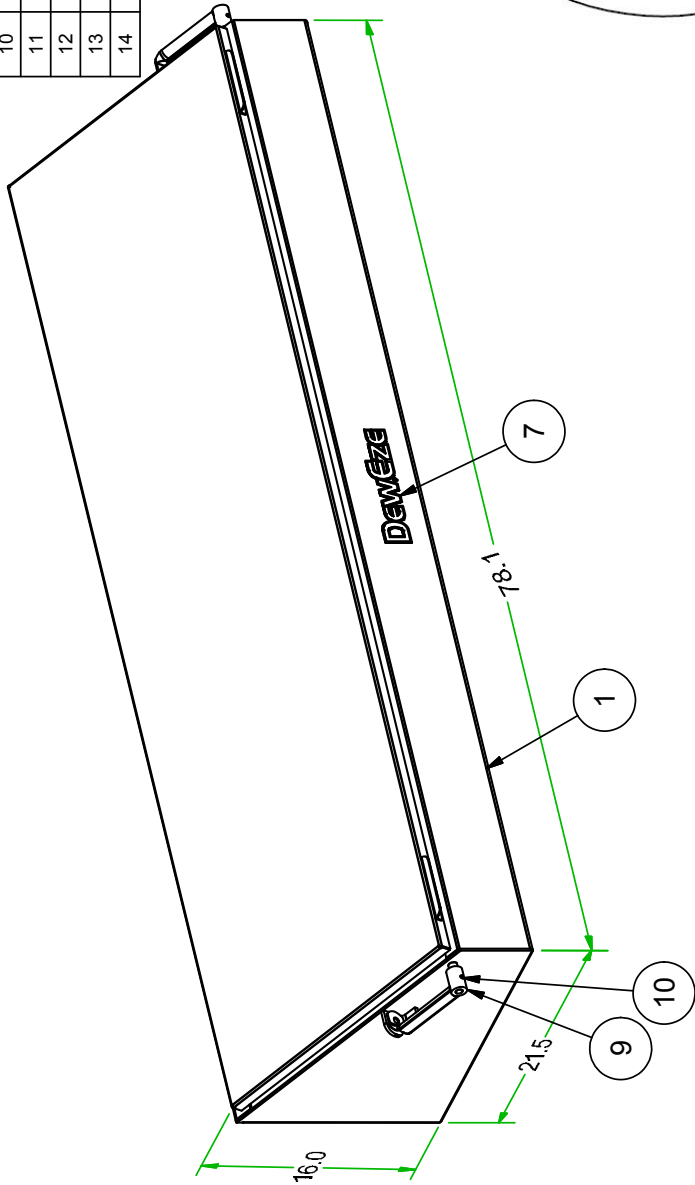
Cargo Light Kit, Part# 205113			
ITEM	QTY	PART #	DESCRIPTION
1	5 ft	130004	Wire, 14ga Black
2	1	132035	SWITCH BOOT
3	1	132135	Switch, Toggle, SPST, On-Off
4	3	132147	Terminal, Butt Connector, 16-14, Heat Shrink
5	2	132148	Terminal, Ring, 16-14, 1/4", Heat Shrink
6	1	132149	Terminal, Multi-Wire Butt Connector, 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

Flatbed Accessories Across the Bed Toolbox

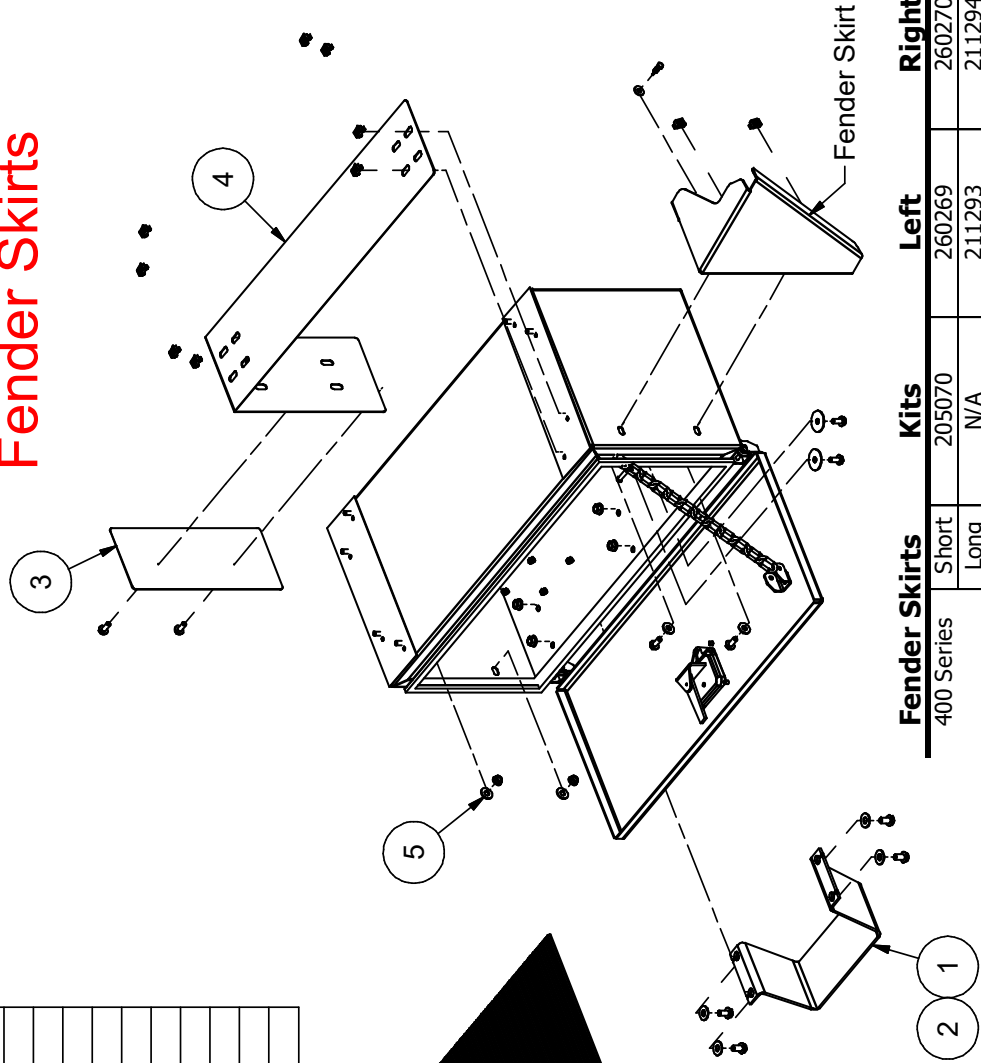
Across the Bed Toolbox, Part# 210915			
ITEM	QTY	PART #	DESCRIPTION
1	1	210914	TOOLBOX WELD ASSEMBLY
2	2	211132	BUSHING, .625 X .5 X .062 FNG
3	4	110618	NUT, 3/8-16 LOCK NYLON INSERT
4	1	210908	ALL THREAD
5	2	211134	SPRING/LATCH
6	2	500078	Shock, Gas Filled
7	1	400010	DECAL, DEWEZE BLACK OUTLINE
8	4	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



Toolbox Complete W/Step, Part# 205011

ITEM	QTY	PART #	DESCRIPTION
1	1	211109	STEP, TOOLBOX
2	.7 ft	100449	Traction Pad
3	1	202001	DECAL, CHIP GUARD
4	1	211684	SHIELD, TOP & SIDE
5	1	205012	BOLT PACKAGE
	10	110258	NUT, 5/16-18, CAGE TINNERMAN
	12	110444	BOLT, 5/16-18 X 0.75, WIZ FLANGE
	4	110437	BOLT, 3/8-16 X 0.75, WIZ FLANGE
	4	110645	NUT, 3/8-16 WIZ FLANGE
	4	110676	WASHER, 3/8" FLAT STANDARD
	2	110606	NUT, 5/16-18 WIZ FLANGE
	4	110665	WASHER, 5/16" FLAT STANDARD
	8	110049	WASHER, 5/16" X 1 1/2 FENDER

Flatbed Accessories
30" Toolbox
Fender Skirts

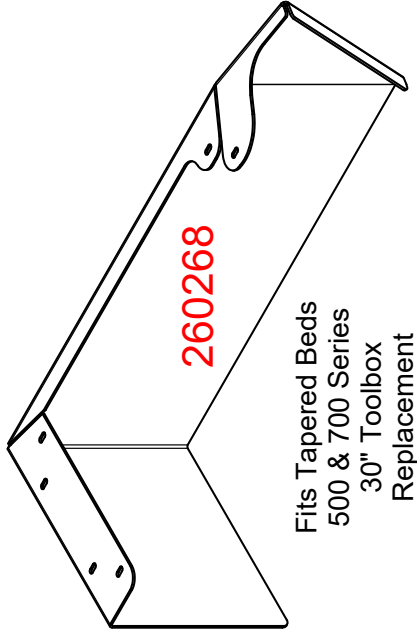


Fender Skirts	Kits		Left	Right
	Short	205070	260269	260270
400 Series	Long	N/A	211293	211294
500 Series	Short	205071	260271	260272
	Long	N/A	211587	211588
600 Series	Short	205070	260269	260270
	Long	205072	260273	260274
700 Series	Short	205071	260271	260272
	Long	205073	260275	260276

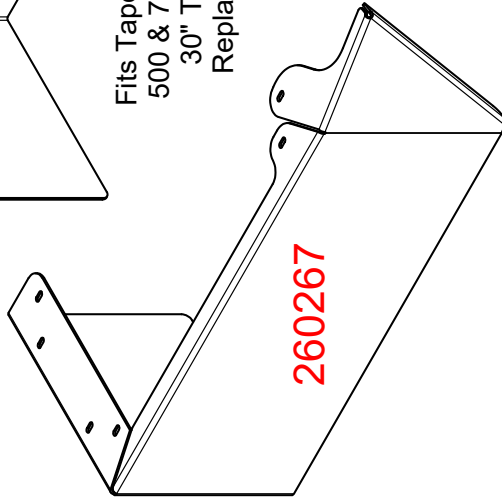
Service Parts for Toolbox	
QTY	PART # DESCRIPTION
4	110174 NUT, 1/4-20 LOCK 2-WAY
3	112011 PUSH NUT, WASHER CAP STYLE
3	112095 CLEVIS PIN, STD ZP 1/4 X 1 5/8
1	202010 SEAL, TOOLBOX LID (TRIM-LOK X-2897)
1	211119 TOOL BOX MAT
2	212003 Gasket, Toolbox Mount use DK111 Foam
1	212017 Latch, Toolbox w/Studs,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

Front Skirt Toolbox Replacement

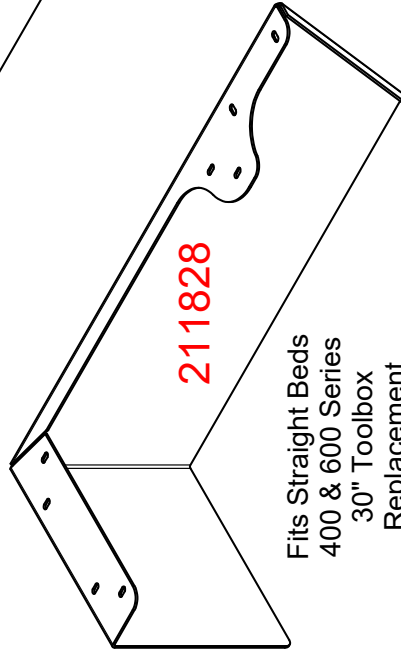
215116
Bolt Kit
1ea Required
Per Fenderskirt



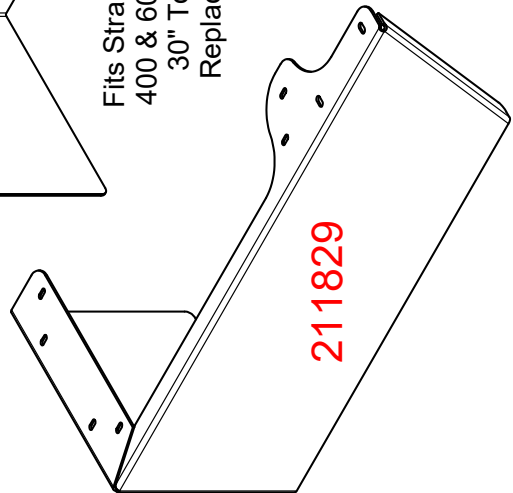
260268
Fits Tapered Beds
500 & 700 Series
30" Toolbox
Replacement



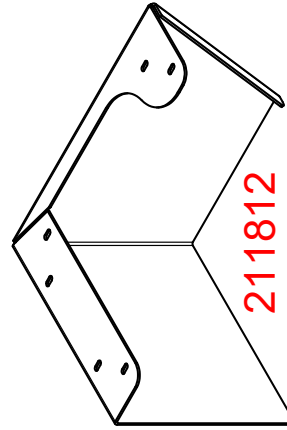
260267



211828
Fits Straight Beds
400 & 600 Series
30" Toolbox
Replacement

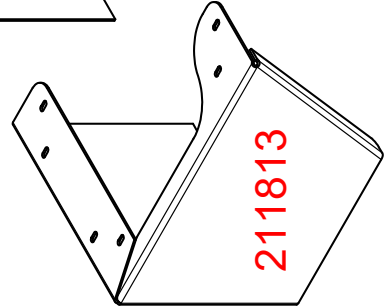


211829



211812

Fits Short Beds
20" Toolbox
Replacement

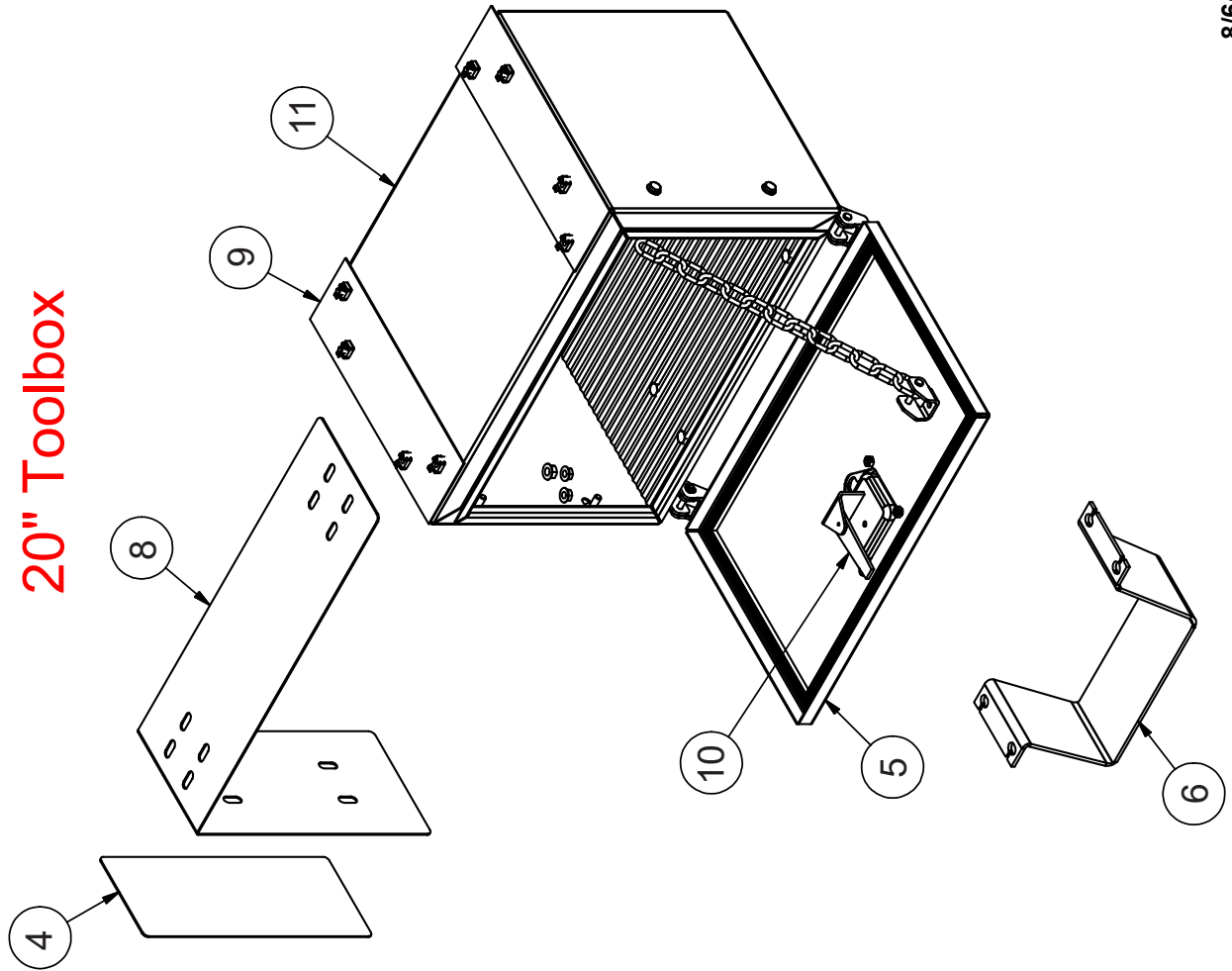


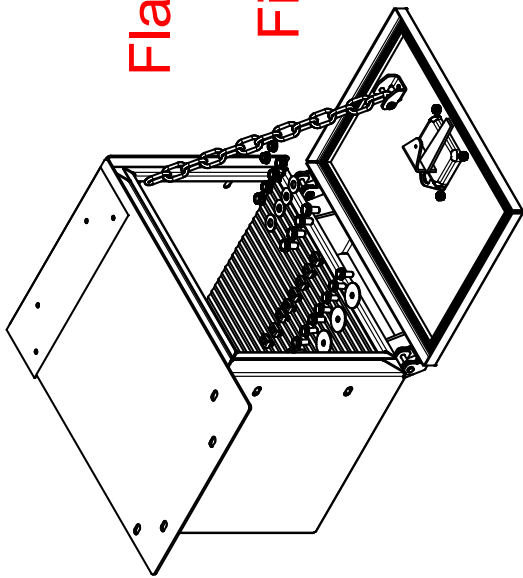
211813

7/24/2012

20" TOOLBOX W/STEP 205030		DESCRIPTION
ITEM	QTY	PART #
1	1	100449
2	4	110174
3	1	205012
3.1	8	110049
3.2	12	110258
3.3	4	110437
3.4	14	110444
3.5	2	110606
3.6	4	110645
3.7	4	110665
3.8	4	110676
4	1	202001
5	1	205489
5.1	3	112011
5.2	3	112095
5.3	1	202010
5.4	1	215133
5.5	2	270139
6	1	211109
7	1	211248
8	1	211593
9	2	212003
10	1	212017
10.1	1	212015
11	1	215131

Flatbed Accessories 20" Toolbox

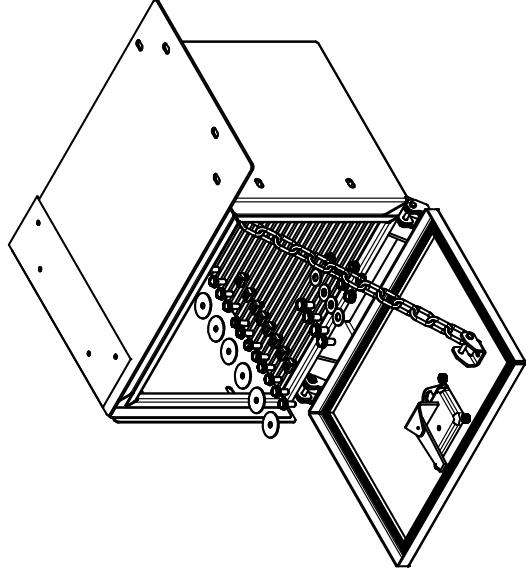




Flatbed Accessories 17" Toolbox Fits 20" Mounting

Toolbox Complete W/Step, 17" Right (205138)		
ITEM	QTY	PART # DESCRIPTION
1	4	110174 NUT, 1/4-20 LOCK 2-WAY
2	3	112011 PUSH NUT, WASHER CAP STYLE
3	3	112095 CLEVIS PIN, STD ZP 1/4 X 1 5/8
4	1	202001 DECAL, CHIP GUARD
5	1	202010 SEAL, TOOLBOX LID (TRIM-LOK X-2897)
6	1	205012 BOLT PACKAGE
8	110049	WASHER, 5/16 X 1.50 FENDER
12	110258	NUT, 5/16-18, CAGE TINNERMAN
4	110437	BOLT, 3/8-16 X 0.75, WIZ FLANGE
14	110444	BOLT, 5/16-18 X 0.75, WIZ FLANGE
2	110606	NUT, 5/16-18 WIZ FLANGE
4	110645	NUT, 3/8-16 WIZ FLANGE
4	110665	WASHER, 5/16" FLAT STANDARD
4	110676	WASHER, 3/8" FLAT STANDARD
7	1	211109 STEP, TOOLBOX
	.7 ft	100449 Traction Pad
8	1	212003 GASKET, TOOLBOX MOUNT
9	1	212017 Latch, Toolbox w/Studs, Key & Gasket
	1	212015 Gasket, Toolbox Latch
10	1	215213 WELDMENT, TOOLBOX DOOR & HINGE, 17"
11	1	215394 Weldment, 17" Right, Toolbox & Hinge
12	1	260719 Toolbox Mat, 17"

Toolbox Complete W/Step, 17" Left (205139)		
ITEM	QTY	PART # DESCRIPTION
1	4	110174 NUT, 1/4-20 LOCK 2-WAY
2	3	112011 PUSH NUT, WASHER CAP STYLE
3	3	112095 CLEVIS PIN, STD ZP 1/4 X 1 5/8
4	1	202001 DECAL, CHIP GUARD
5	1	202010 SEAL, TOOLBOX LID (TRIM-LOK X-2897)
6	1	205012 BOLT PACKAGE
8	110049	WASHER, 5/16 X 1.50 FENDER
12	110258	NUT, 5/16-18, CAGE TINNERMAN
4	110437	BOLT, 3/8-16 X 0.75, WIZ FLANGE
14	110444	BOLT, 5/16-18 X 0.75, WIZ FLANGE
2	110606	NUT, 5/16-18 WIZ FLANGE
4	110645	NUT, 3/8-16 WIZ FLANGE
4	110665	WASHER, 5/16" FLAT STANDARD
4	110676	WASHER, 3/8" FLAT STANDARD
7	1	211109 STEP, TOOLBOX
	.7 ft	100449 Traction Pad
8	1	212003 GASKET, TOOLBOX MOUNT
9	1	212017 Latch, Toolbox w/Studs, Key & Gasket
	1	212015 Gasket, Toolbox Latch
10	1	215213 WELDMENT, TOOLBOX DOOR & HINGE, 17"
11	1	215393 Weldment, 17" Left, Toolbox & Hinge
12	1	260719 Toolbox Mat, 17"

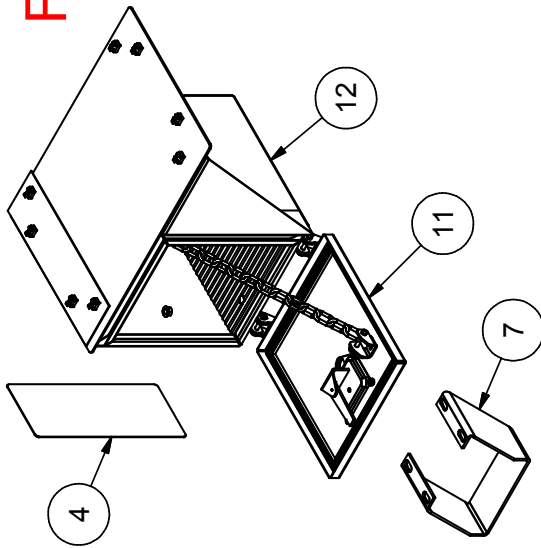


11/7/2017

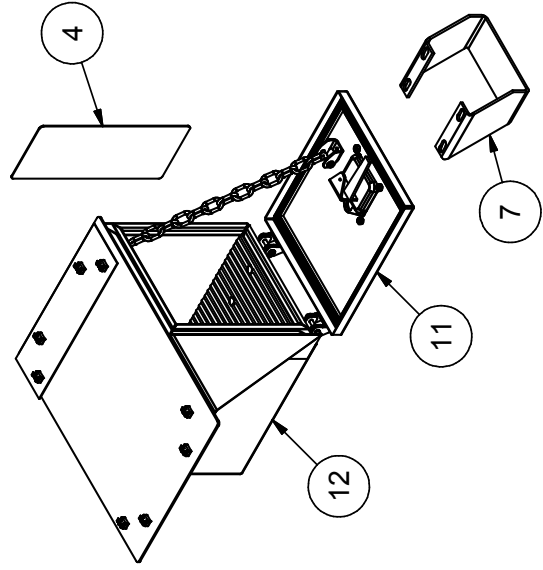
Flatbed Accessories

12" Toolbox

Fits 20" Mounting

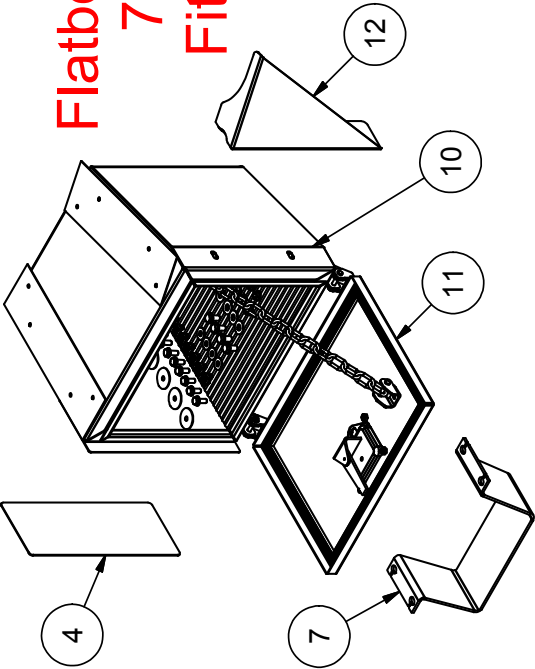


Toolbox Complete W/Step, 12" Right (205032)			
ITEM	QTY	PART #	DESCRIPTION
1	4	110174	NUT, 1/4-20 LOCK 2-WAY
2	3	112011	PUSH NUT, WASHER CAP STYLE
3	3	112095	CLEVIS PIN, STD ZP 1/4 X 1 5/8
4	1	202001	DECAL, CHIP GUARD
5	1	202010	SEAL, TOOLBOX LID (TRIM-LOK X-2897)
6	1	205012	BOLT PACKAGE
	8	110049	WASHER, 5/16 X 1.50 FENDER
	12	110258	NUT, 5/16-18, CAGE TINNERMAN
	4	110437	BOLT, 3/8-16 X 0.75, WIZ FLANGE
	14	110444	BOLT, 5/16-18 X 0.75, WIZ FLANGE
	2	110606	NUT, 5/16-18 WIZ FLANGE
	4	110645	NUT, 3/8-16 WIZ FLANGE
	4	110665	WASHER, 5/16" FLAT STANDARD
	4	110676	WASHER, 3/8" FLAT STANDARD
7	1	210697	STEP TOOL BOX
	.5 ft	100449	Traction Pad
8	1	211871	TOOLBOX MAT 12"
9	1	212003	GASKET, TOOLBOX MOUNT
10	1	212017	Latch, Toolbox w/Studs, Key & Gasket
	1	212015	Gasket, Toolbox Latch
11	1	215136	TOOLBOX DOOR & HINGE WELDMENT 12"
12	1	215152	WELDMENT, TOOLBOX 12" W/SKIRT, RIGHT



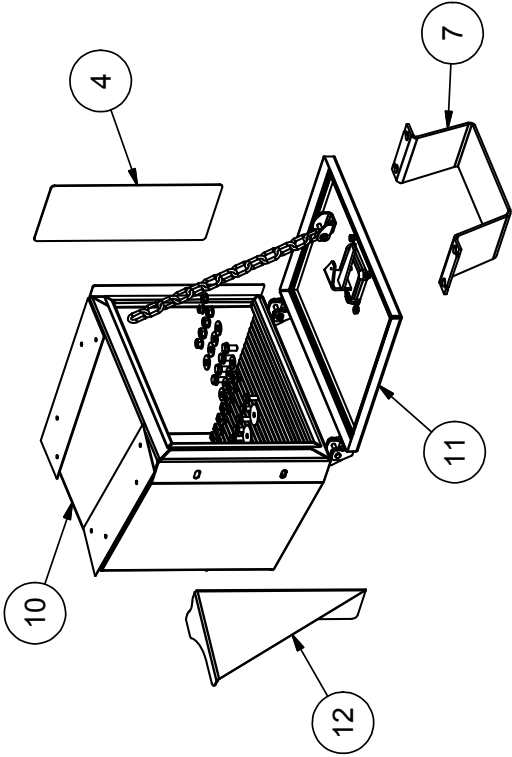
Toolbox Complete W/Step, 12" Left (205033)			
ITEM	QTY	PART #	DESCRIPTION
1	4	110174	NUT, 1/4-20 LOCK 2-WAY
2	3	112011	PUSH NUT, WASHER CAP STYLE
3	3	112095	CLEVIS PIN, STD ZP 1/4 X 1 5/8
4	1	202001	DECAL, CHIP GUARD
5	1	202010	SEAL, TOOLBOX LID (TRIM-LOK X-2897)
6	1	205012	BOLT PACKAGE
	8	110049	WASHER, 5/16 X 1.50 FENDER
	12	110258	NUT, 5/16-18, CAGE TINNERMAN
	4	110437	BOLT, 3/8-16 X 0.75, WIZ FLANGE
	14	110444	BOLT, 5/16-18 X 0.75, WIZ FLANGE
	2	110606	NUT, 5/16-18 WIZ FLANGE
	4	110645	NUT, 3/8-16 WIZ FLANGE
	4	110665	WASHER, 5/16" FLAT STANDARD
	4	110676	WASHER, 3/8" FLAT STANDARD
7	1	210697	STEP TOOL BOX
	.5 ft	100449	Traction Pad
8	1	211871	TOOLBOX MAT 12"
9	1	212003	GASKET, TOOLBOX MOUNT
10	1	212017	Latch, Toolbox w/Studs, Key & Gasket
	1	212015	Gasket, Toolbox Latch
11	1	215136	TOOLBOX DOOR & HINGE WELDMENT 12"
12	1	215151	WELDMENT, TOOLBOX 12" W/SKIRT, LEFT

Flatbed Accessories
770 Toolbox
Fits "770" only

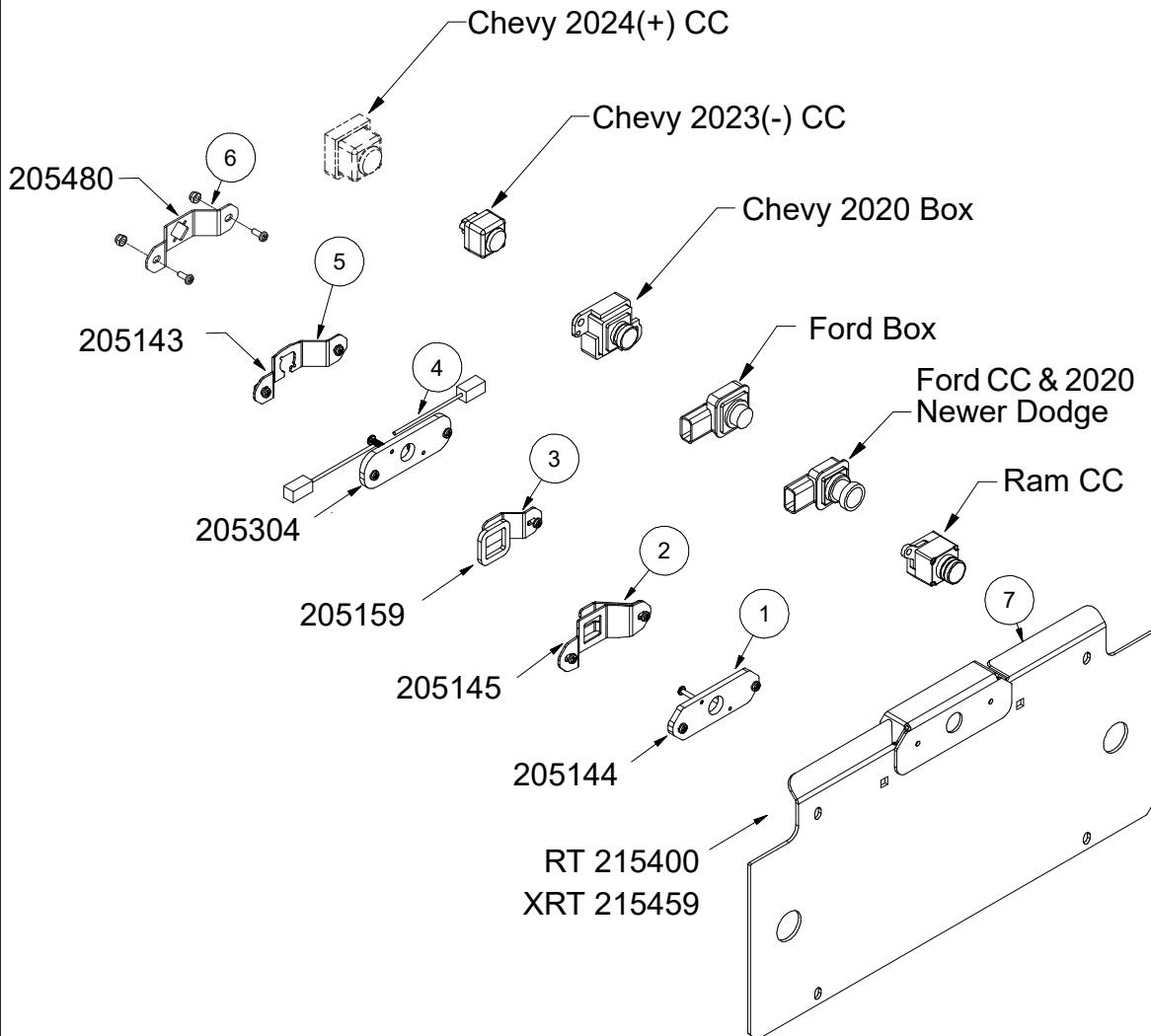


Toolbox Complete W/Step, 770 Right (205044)		
ITEM	QTY	PART # DESCRIPTION
1	4	110174 NUT, 1/4-20 LOCK 2-WAY
2	3	112011 PUSH NUT, WASHER CAP STYLE
3	3	112095 CLEVIS PIN, STD ZP 1/4 X 1 5/8
4	1	202001 DECAL, CHIP GUARD
5	1	202010 SEAL, TOOLBOX LID (TRIM-LOK X-2897)
6	1	205012 BOLT PACKAGE
	8	110049 WASHER, 5/16 X 1.50 FENDER
	12	110258 NUT, 5/16-18, CAGE TINNEMAN
	4	110437 BOLT, 3/8-16 X 0.75, WIZ FLANGE
	14	110444 BOLT, 5/16-18 X 0.75, WIZ FLANGE
	2	110606 NUT, 5/16-18 WIZ FLANGE
	4	110645 NUT, 3/8-16 WIZ FLANGE
	4	110665 WASHER, 5/16" FLAT STANDARD
	4	110676 WASHER, 3/8" FLAT STANDARD
7	1	211109 STEP, TOOLBOX
	.7 ft	100449 Traction Pad
8	2	212003 GASKET, TOOLBOX MOUNT
9	1	212017 Latch, Toolbox w/Studs, Key & Gasket
	1	212015 Gasket, Toolbox Latch
10	1	215212 WELDMENT, TOOLBOX & HINGE, 770 RIGHT
11	1	215213 WELDMENT, TOOLBOX DOOR & HINGE, 17"
12	1	260204 TOOLBOX SKIRT, 770, RIGHT
13	1	260206 TOOLBOX MAT 770, RIGHT

Toolbox Complete W/Step, 770 Left (205045)		
ITEM	QTY	PART # DESCRIPTION
1	4	110174 NUT, 1/4-20 LOCK 2-WAY
2	3	112011 PUSH NUT, WASHER CAP STYLE
3	3	112095 CLEVIS PIN, STD ZP 1/4 X 1 5/8
4	1	202001 DECAL, CHIP GUARD
5	1	202010 SEAL, TOOLBOX LID (TRIM-LOK X-2897)
6	1	205012 BOLT PACKAGE
	8	110049 WASHER, 5/16 X 1.50 FENDER
	12	110258 NUT, 5/16-18, CAGE TINNEMAN
	4	110437 BOLT, 3/8-16 X 0.75, WIZ FLANGE
	14	110444 BOLT, 5/16-18 X 0.75, WIZ FLANGE
	2	110606 NUT, 5/16-18 WIZ FLANGE
	4	110645 NUT, 3/8-16 WIZ FLANGE
	4	110665 WASHER, 5/16" FLAT STANDARD
	4	110676 WASHER, 3/8" FLAT STANDARD
7	1	211109 STEP, TOOLBOX
	.7 ft	100449 Traction Pad
8	2	212003 GASKET, TOOLBOX MOUNT
9	1	212017 Latch, Toolbox w/Studs, Key & Gasket
	1	212015 Gasket, Toolbox Latch
10	1	215211 WELDMENT, TOOLBOX & HINGE, 770 LEFT
11	1	215213 WELDMENT, TOOLBOX DOOR & HINGE, 17"
12	1	260203 TOOLBOX SKIRT, 770, LEFT
13	1	260205 TOOLBOX MAT 770, LEFT



REAR VIEW CAMERA MOUNTING KITS *



***Mount Disclaimer:** These mounting kits were designed for the most common mounting-to-camera. Manufacturers change camera styles & mountings even within the same year. Use best practices to modify if need be.

***Installer note:** DewEze does not engineer wiring nor harnesses for the camera. It is the installers' responsibility to trace the OEM cable to re-attach.

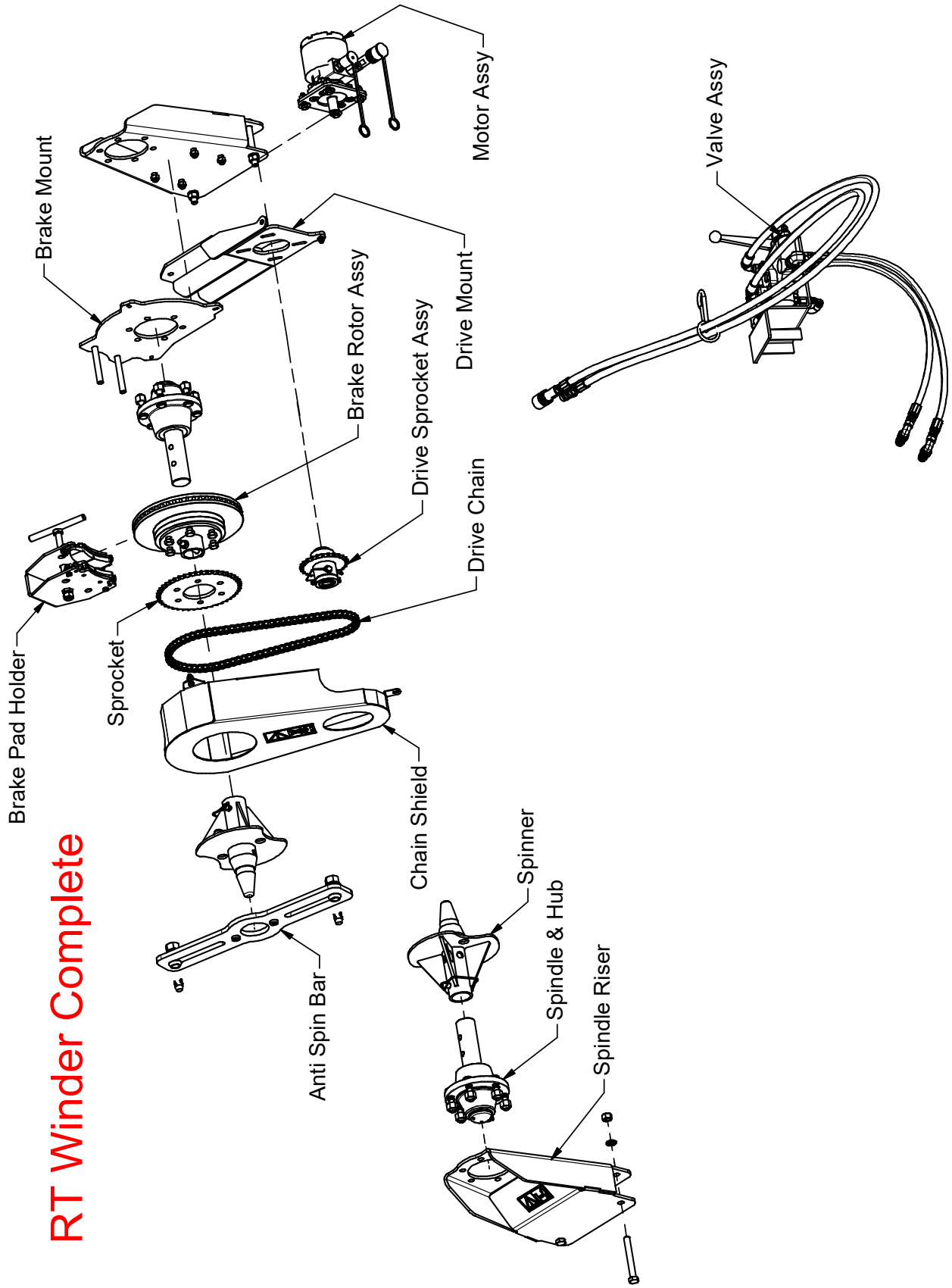
Item	Qty	Part #	DESCRIPTION
1	1	205144	Dodge/Ram CC Camera Mount Kit
2	1	205145	Ford Camera & Dodge 2020+ Mount Kit
3	1	205159	Ford Box Take-Off Camera Mount Kit
4	1	205304	Chevy/ GM 2020 Box Take-Off Camera Mount Kit
5	1	205143	Chevy/GM CC 2023- Camera Mount Kit
6	1	205480	Chevy/GM CC 2024+ Camera Mount Kit
7	RT	215400	Camera Mount Weldment
7	XRT	215459	Camera Mount Weldment

BED MOUNTING KITS *

***Installer note:** Kits were designed to match specific bed styles to a model of OEM truck.
Use best practices & measurements for fitment, or choose the Yellow Bag generic kit.

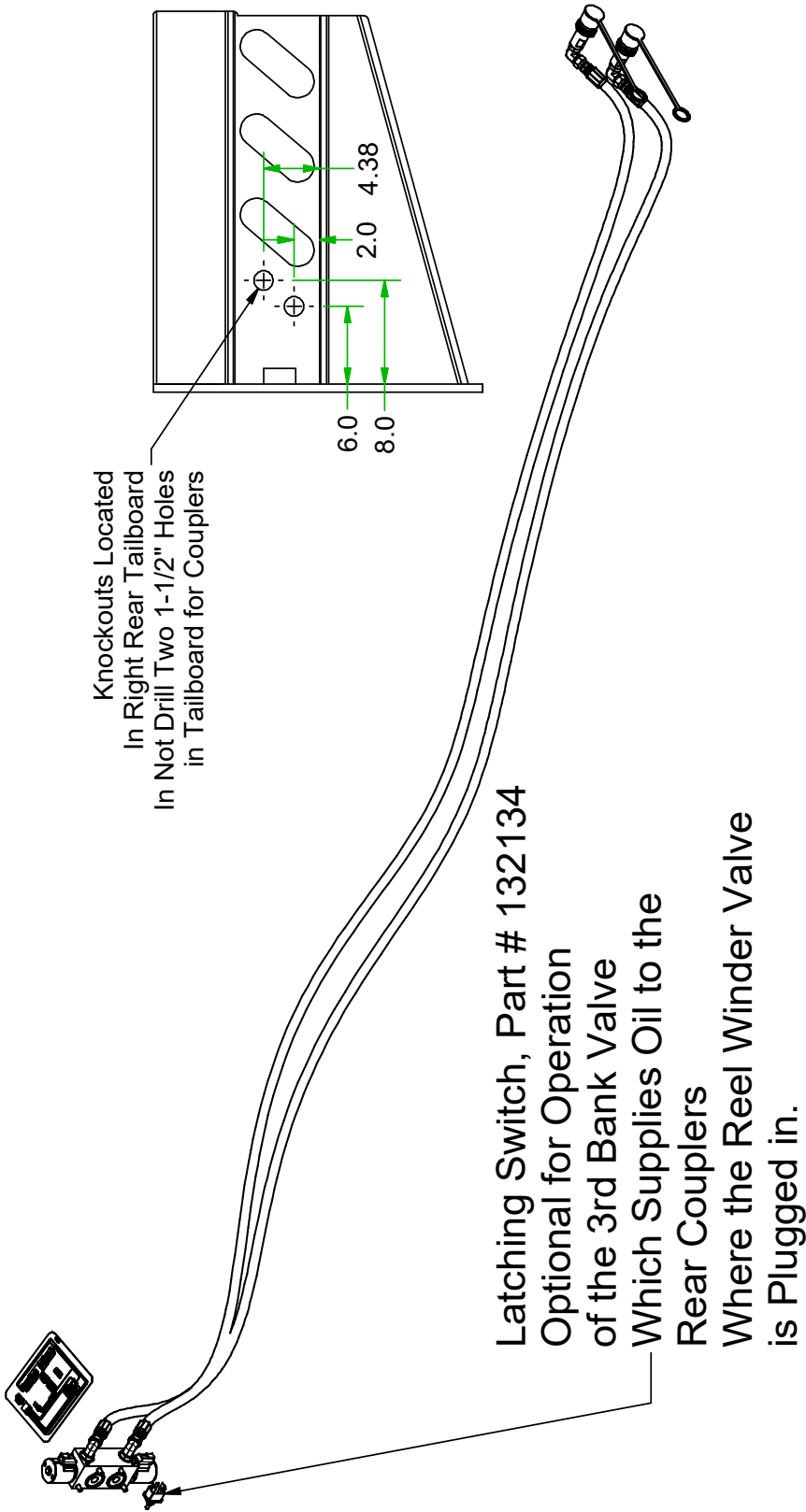
MAKE	PART #	YEAR	DESCRIPTION
FORD	205112	2017+	Ford Box Delete 671, 676, 776
	205084	1998-2016	Ford Box Delete 676, 776
	205064	2012-2016	Ford Box Delete 670, 770
	205036	1998-2011	Ford Box Delete "Super Duty" 670, 770
	205041	Pre-1997	Ford Box Delete "Non Super Duty" 670
	205111	2017+	Ford Cab-Chassis 679, 684, 784, XRT 60
	205078	1999-2016	Ford Cab-Chassis 679, 684, 784, XRT 60
	205149	2017+	Ford Cab-Chassis 688, 788
	205080	1999-2016	Ford Cab-Chassis 688, 788
	205461	2017+	Ford Cab-Chassis XRT 84
	205462	1999-2016	Ford Cab-Chassis XRT 84
CHEVY/ GM	205303	2020+	Chevrolet Box Delete, 671, 676, 776
	205063	2011-2019	Chevrolet Box Delete 670
	205038	2000-2010	Chevrolet Box Delete 670
	205085	2011-2019	Chevrolet Box Delete 676, 776
	205086	2000-2010	Chevrolet Box Delete 676, 776
	205047	2011+	Chevrolet Cab-Chassis 684, 784, XRT 60
	205051	2000-2010	Chevrolet Cab-Chassis 684, 784, XRT 60
	205281	2019+	Chevrolet (4500-6500) Cab-Chassis 684, 784, XRT 60
	205069	2011+	Chevrolet Cab-Chassis 688, 788
	205424	2019+	Chevrolet (4500-6500) Cab-Chassis 688, 788
	205463	2011+	Chevrolet Cab-Chassis XRT 84
	205467	2019+	Chevrolet (4500-6500) Cab-Chassis XRT 84
DODGE/ RAM	205185	2019+	Dodge Box Delete 670, 770
	205093	2014-2018	Dodge Box Delete 670, 770
	205469	2003-2013	Dodge Box Delete 670, 770
	205054	1994-2002	Dodge Box Delete 670, 770
	205173	2019+	Dodge (3500) Box Delete 676, 776
	205121	2014-2018	Dodge (3500) Box Delete 676, 776
	205087	2014+	Dodge (2500) Box Delete 676, 776
	205082	2003-2013	Dodge Box Delete 676, 776
	205089	1994-2002	Dodge Box Delete 676, 776
	205039	2007+	Dodge Cab-Chassis 679, 684, 784, XRT 60
	205065	2007+	Dodge Cab-Chassis 688, 788
	205457	2007+	Dodge Cab-Chassis XRT 84
MISC.	205029	Yellow Bag & Contents (applicable to older truck models not listed above)	

RT Winder Complete



10/28/2019

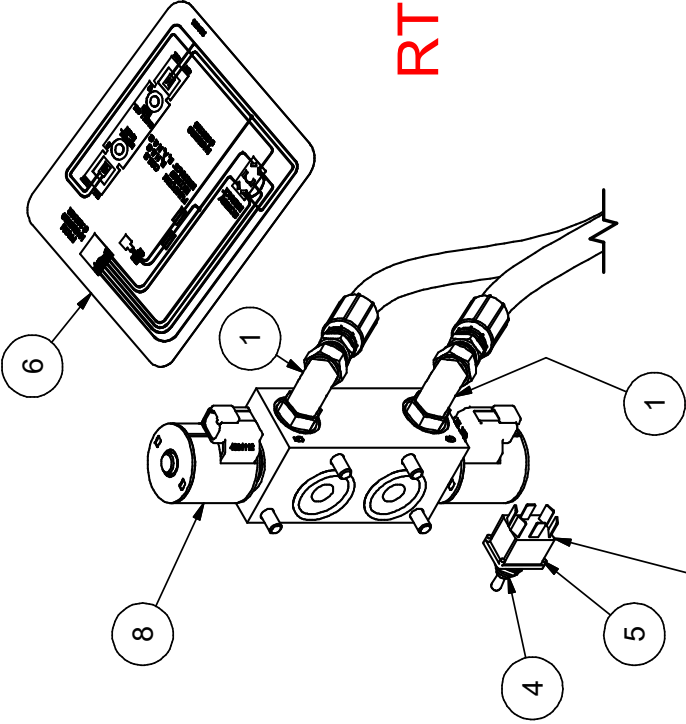
RT Third Bank Rear Couplers
Required for Winder Option



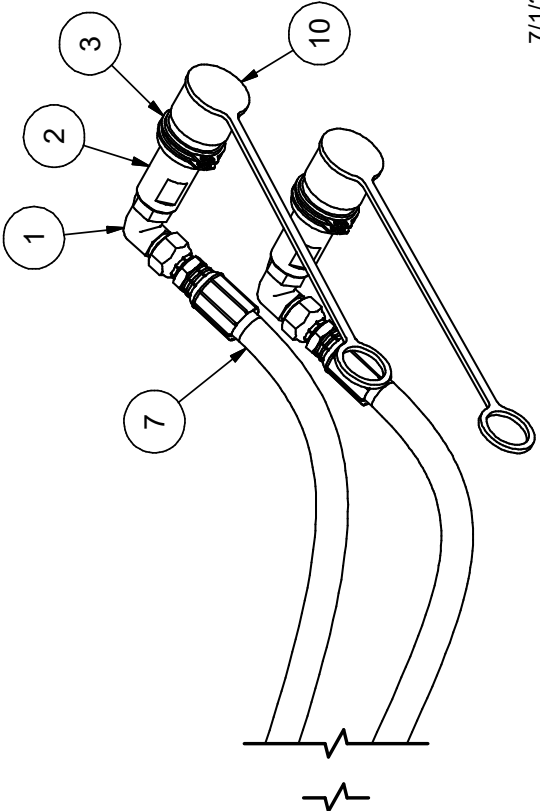
Part# 235024				DESCRIPTION
ITEM	QTY	PART #		
1	4	120288	ADAPTER, 8MJ-8MB90	
2	2	120581	Coupler, Pioneer Female, ORB	
3	4	120583	Snap Ring, ORB Pioneer Coupler	
4	1	132035	SWITCH BOOT	
5	1	132127	Switch, Toggle, DPDT, (On)-OFF-(ON)	
6	1	202154	Decal, 3rd Bank, RT Valve	
7	2	220697	Hose, .50 X 183.00, 8-8fix	
8	1	223045	Valve, 3rd Bank add on (223044)	
9	1	232183	Harness, Reel Transport, 3rd Bank	
10	2	420051	DUST PLUG, PIONEER COUPLER	

* Item 9 -- Not Shown

RT Third Bank Rear Couplers
Required for Winder Option

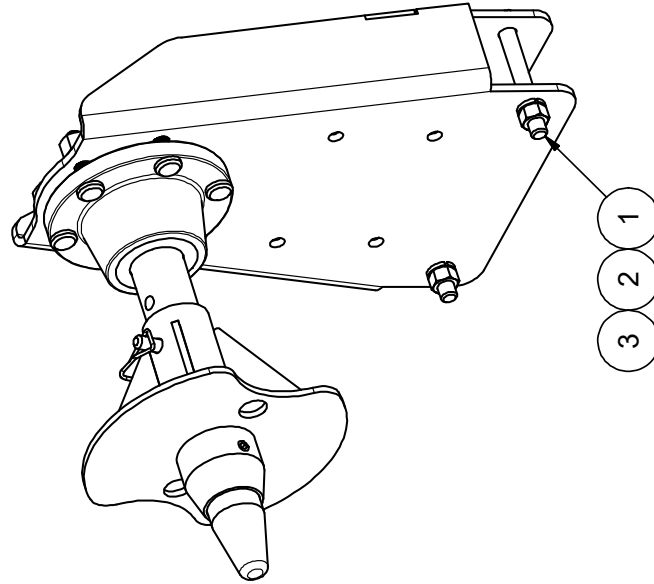
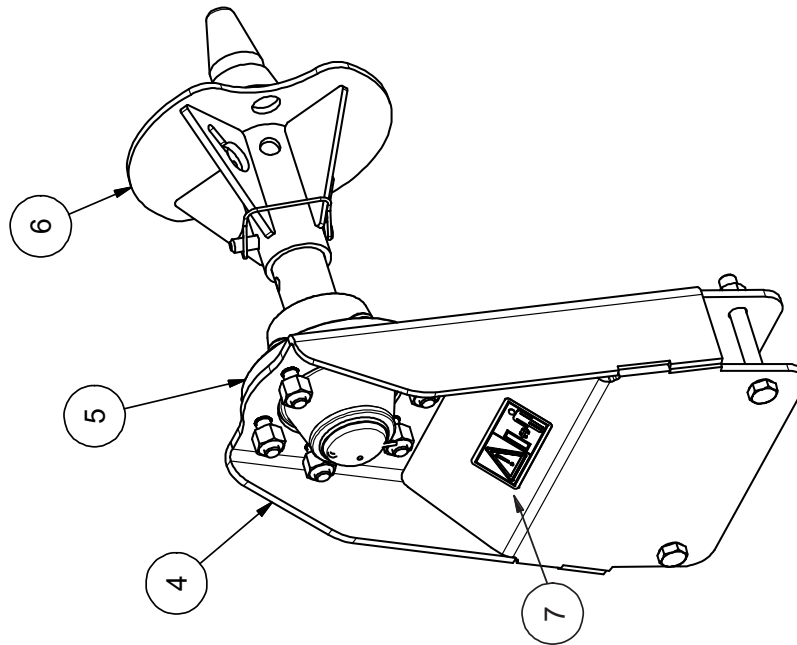


Latching Switch, Part # 132134
Optional for Operation
of the 3rd Bank Valve
Which Supplies Oil to the
Rear Couplers
Where the Reel Winder Valve
is Plugged in.



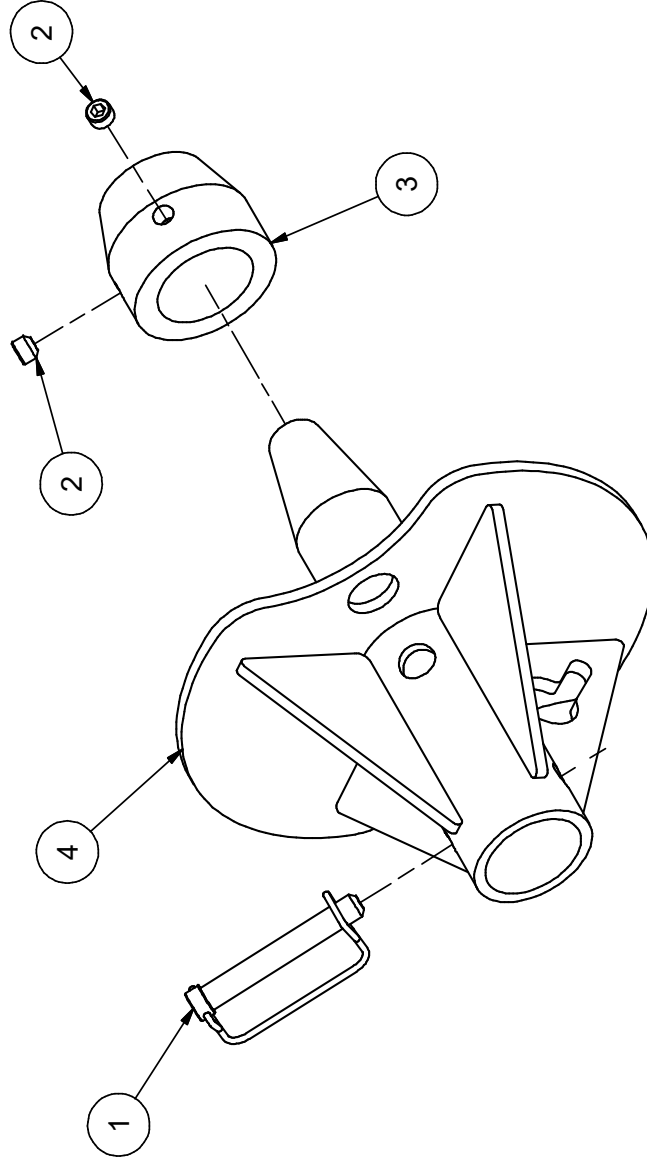
Parts List

ITEM	QTY	PART #	DESCRIPTION
1	4	110407	BOLT, 5/8-11 X 5.0
2	4	110597	NUT, 5/8-11 HEX
3	4	110855	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
7	2	202114	Decal, Safe Distance, Horizontal



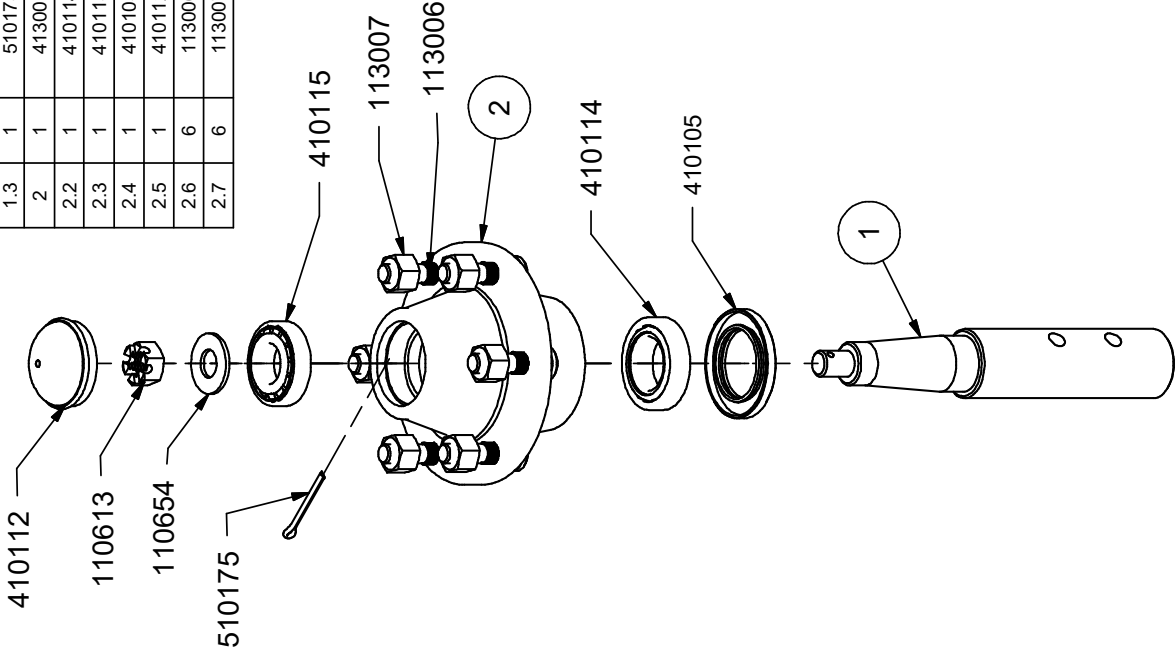
Part # 214010			
ITEM	QTY	PART #	DESCRIPTION
1	1	102124	Pin, Lock, .50 x 3, Grade 8, Single Wire
2	2	111174	SetScrew, 1/2-13 X 0.375
3	1	270032	Centering Cone
4	1	275019	Weldment, RT Reel Spinner

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	410114	INNER RACE AND BEARING
2.3	1	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

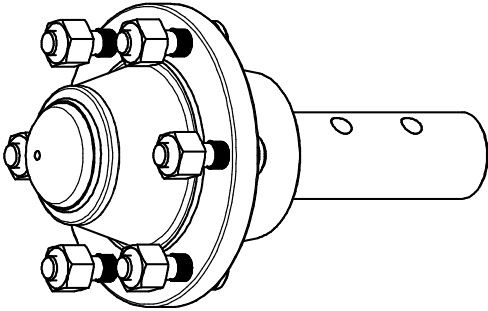


NOTE:

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

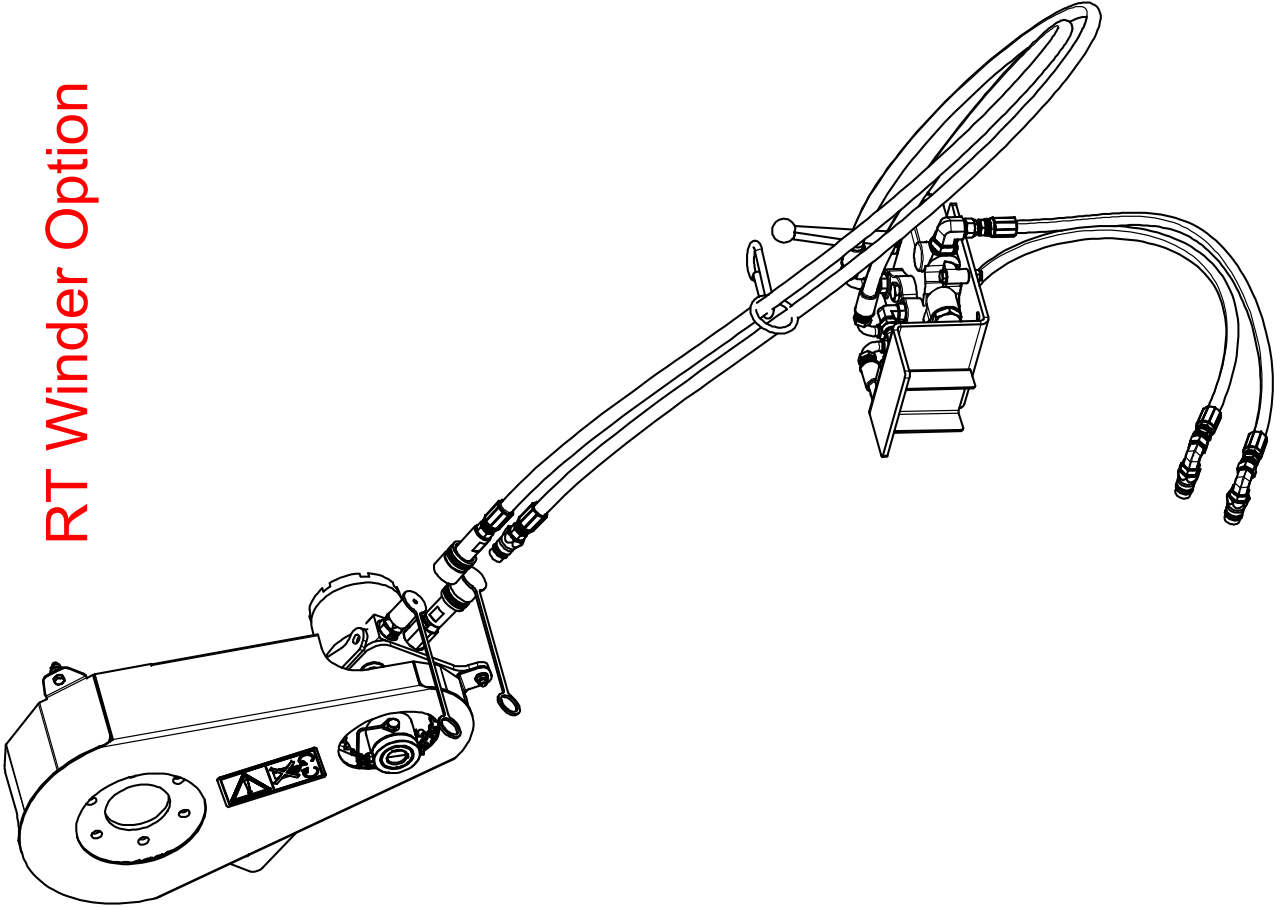
NOTE:

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.



RT Spindle

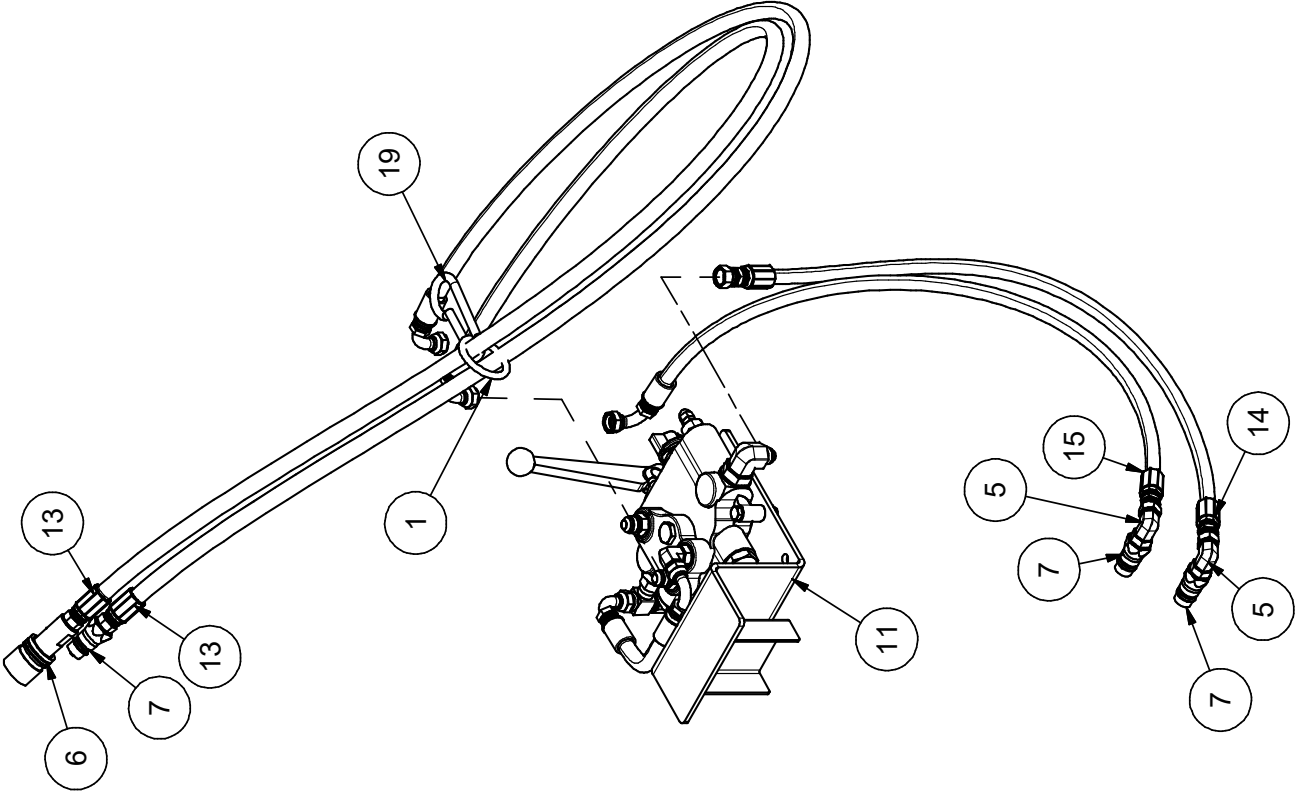
Part # 205157			
ITEM	QTY	PART #	DESCRIPTION
1	1	102128	Ring, 2"ID X .312, Zinc, Not For Lifting
2	4	110442	BOLT, 1/2-13 X 1.25
3	3	110606	NUT, 5/16-18 WIZ FLANGE
4	4	110615	NUT, 1/2-13, UNITORQUE LOCK
5	2	120288	ADAPTER, 8MJ-8MB90
6	1	120581	Coupler, Pioneer Female, ORB
7	3	120582	Coupler, Pioneer Male, 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 8fx90/8mb
14	1	220748	Hose, .50 x 41.0 8fx/8fx
15	1	220749	Hose, .50 x 46.0 8fx/8fx90
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
20	1	202146	Decal, Do Not Remove Shield



RT Winder Option

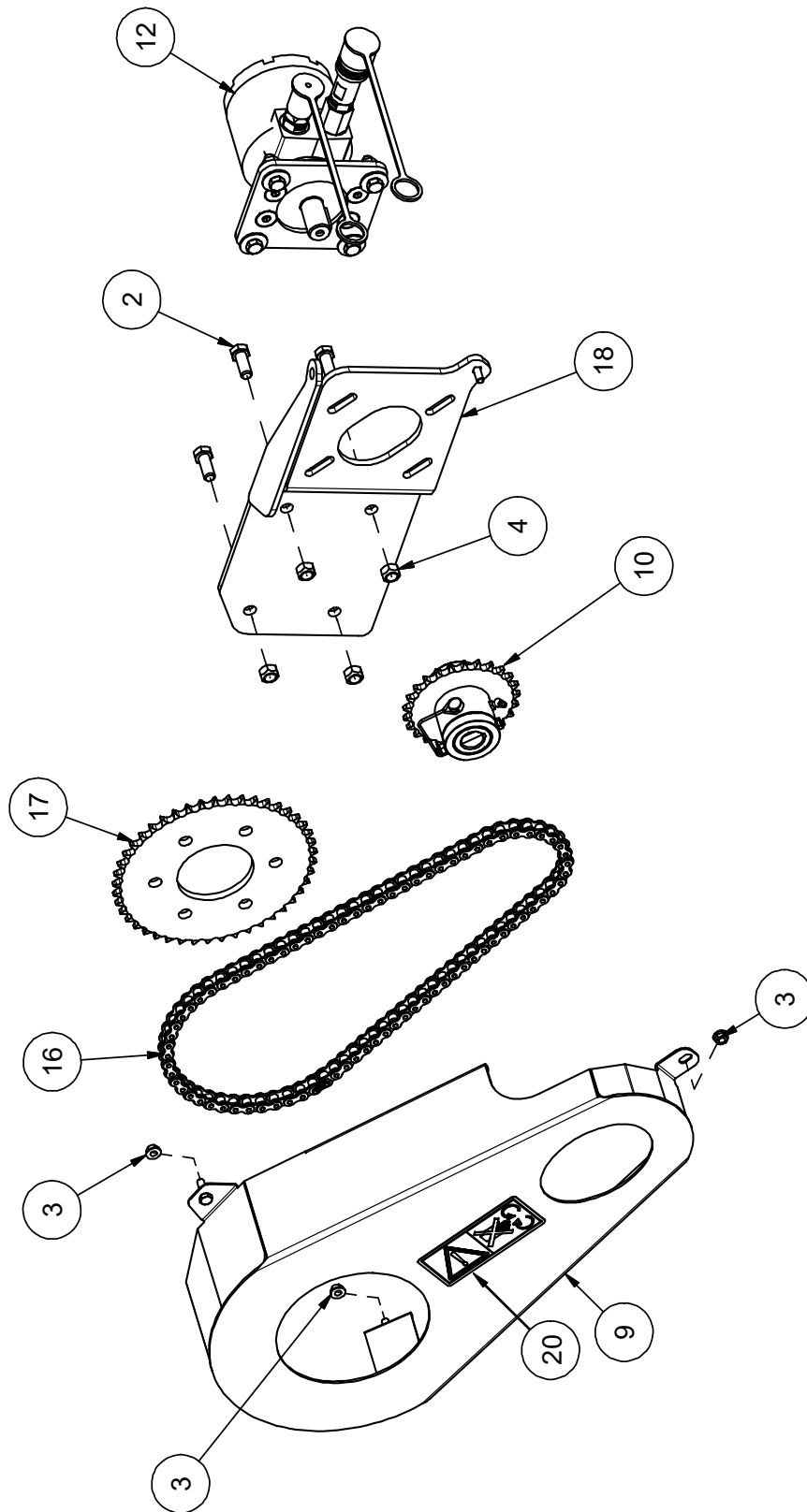
Parts List				DESCRIPTION
ITEM	QTY	PART #		
1	1	102128		Ring, 2"ID X .312, Zinc, Not For Lifting
5	2	120288		ADAPTER, 8MJ-8MB90
6	1	120581		Coupler, Pioneer Female, ORB
7	3	120582		Coupler, Pioneer Male, ORB
11	1	214009		Valve Assembly, RT Winder
13	2	220747		Hose, .50 x 99.0 8fjx90/8mb
14	1	220748		Hose, .50 x 41.0 8fjx/8fjx
15	1	220749		Hose, .50 x 46.0 8fjx/8fjx90
19	1	902208		Carabiner, 3/8", Zinc

RT Winder Hoses & Fittings



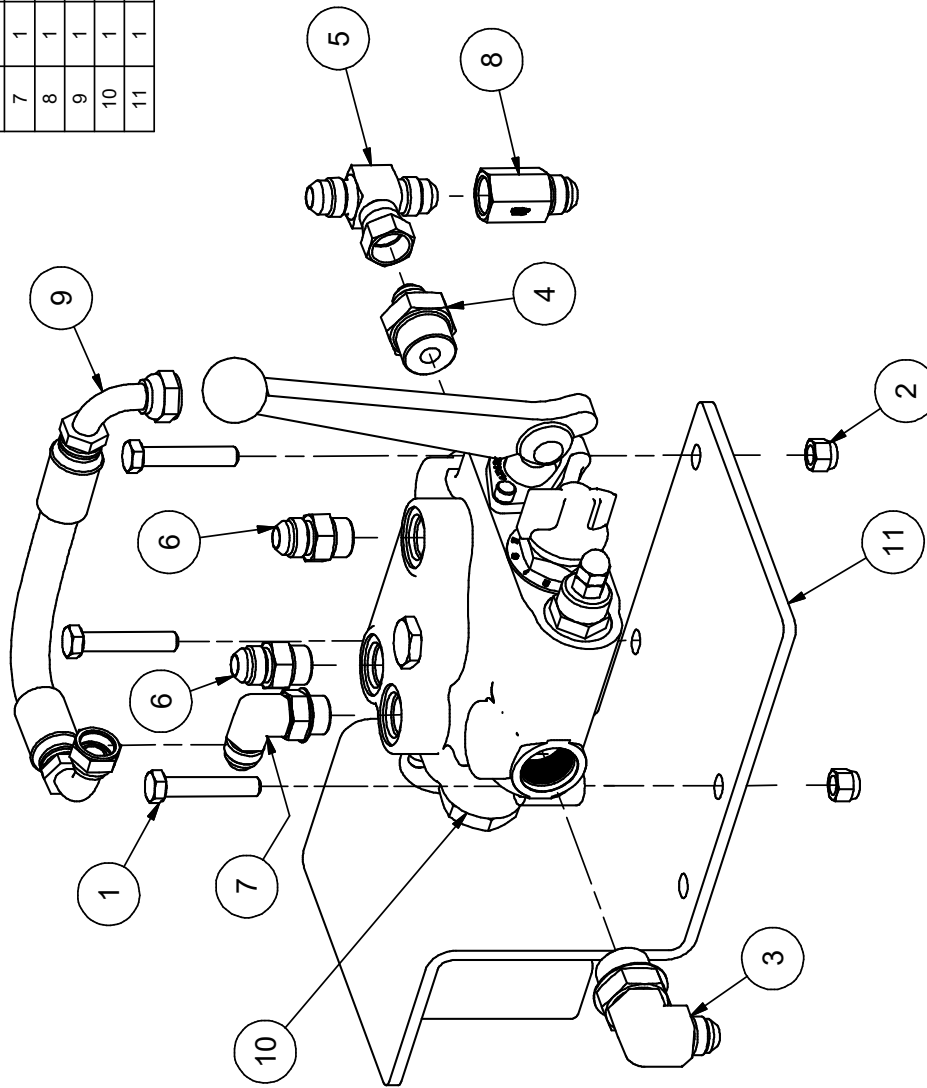
RT Winder Mounting Bracket & Shield

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
9	1	205283	RT Chain Shield, Service Part
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
20	1	202146	Decal, Do Not Remove Shield



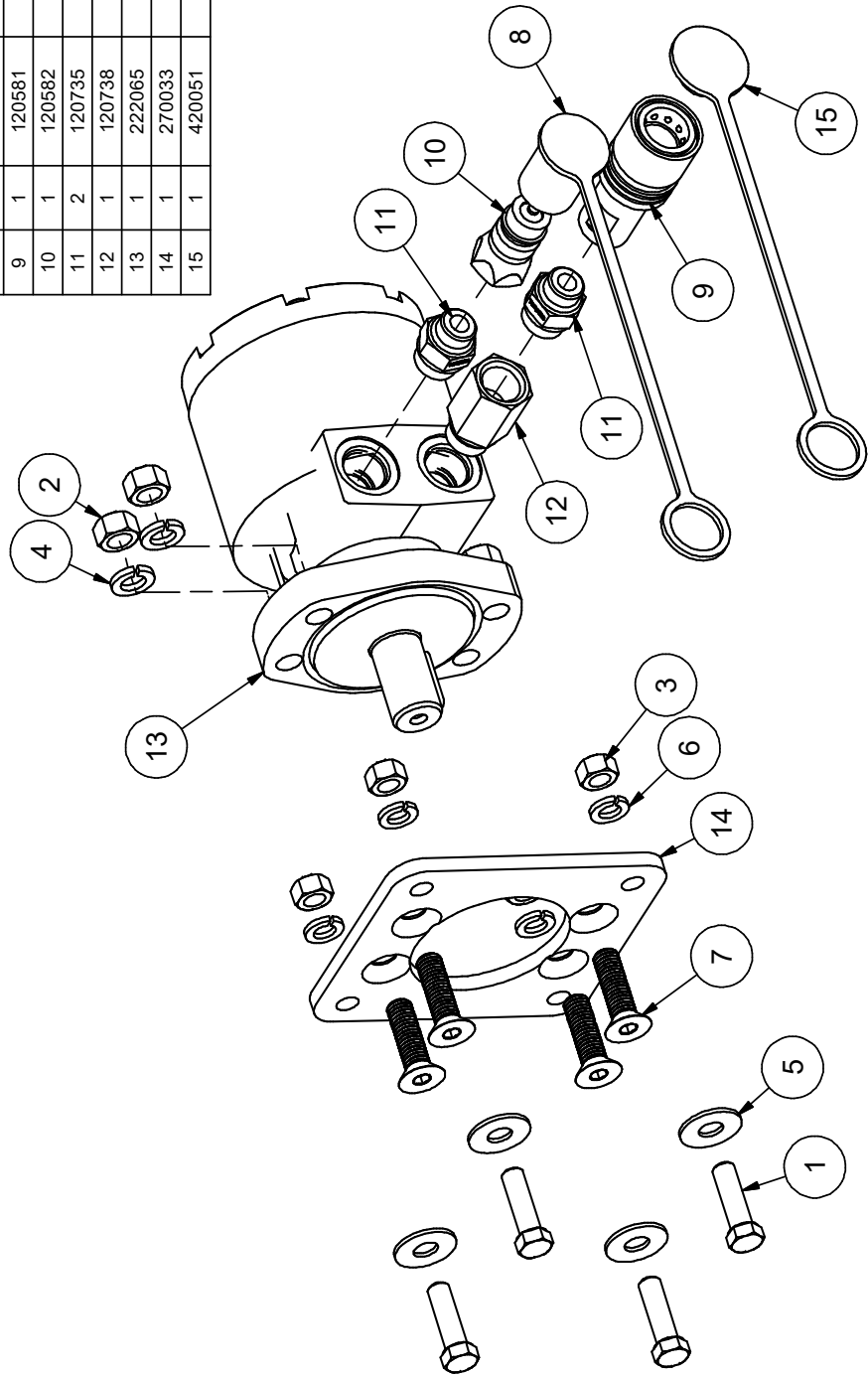
RT Valve Assembly

Part # 214009				ITEM	QTY	PART #	DESCRIPTION
1	3	110400	BOLT, 3/8-16 X 2.0	1	3	110400	BOLT, 3/8-16 X 2.0
2	3	110618	NUT, 3/8-16 LOCK NYLON INSERT	2	3	110618	NUT, 3/8-16 LOCK NYLON INSERT
3	1	120246	ADAPTER, 8MJ-12MB90	3	1	120246	ADAPTER, 8MJ-12MB90
4	1	120252	ADAPTER, 8MJ-12MB	4	1	120252	ADAPTER, 8MJ-12MB
5	1	120270	ADAPTER, 8MJ-8FJX	5	1	120270	ADAPTER, 8MJ-8FJX
6	2	120277	ADAPTER, 8MJ-8MB	6	2	120277	ADAPTER, 8MJ-8MB
7	1	120288	ADAPTER, 8MJ-8MB90	7	1	120288	ADAPTER, 8MJ-8MB90
8	1	120535	Valve, Check, 8fj-8mj	8	1	120535	Valve, Check, 8fj-8mj
9	1	220746	Hose, .50 x 10.0 8fjx90/8fjx90	9	1	220746	Hose, .50 x 10.0 8fjx90/8fjx90
10	1	223072	Valve, Spool, 1 Bank w/Flow Control	10	1	223072	Valve, Spool, 1 Bank w/Flow Control
11	1	275021	Weldment, RT Valve Mount, Stake Pocket	11	1	275021	Weldment, RT Valve Mount, Stake Pocket



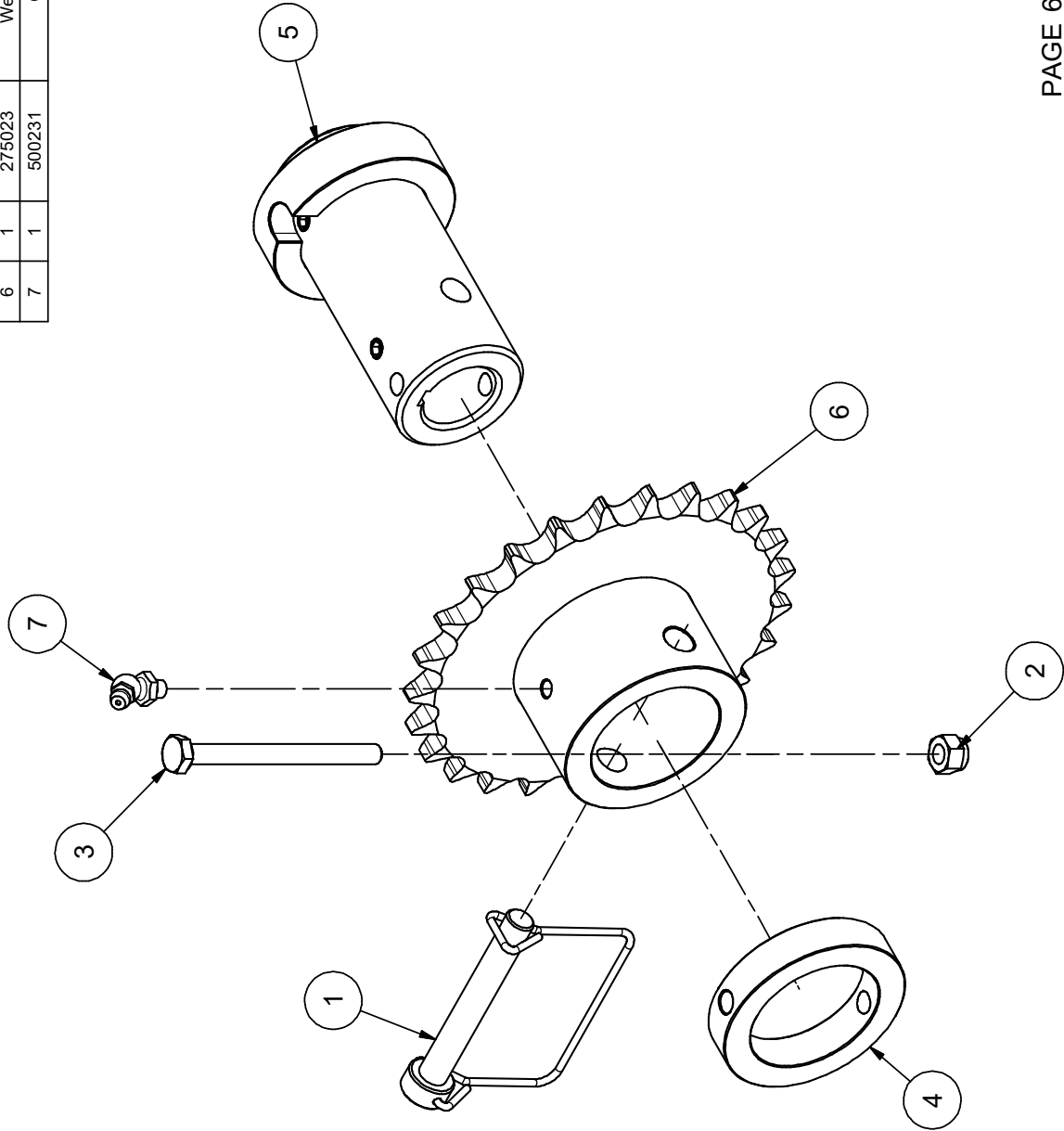
RT Motor Assembly

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-10fb, Extender	
13	1	222065	Motor, Hydraulic, 15.68ci	
14	1	270033	Mounting Plate, RT Motor	
15	1	420051	DUST PLUG, PIONEER COUPLER	

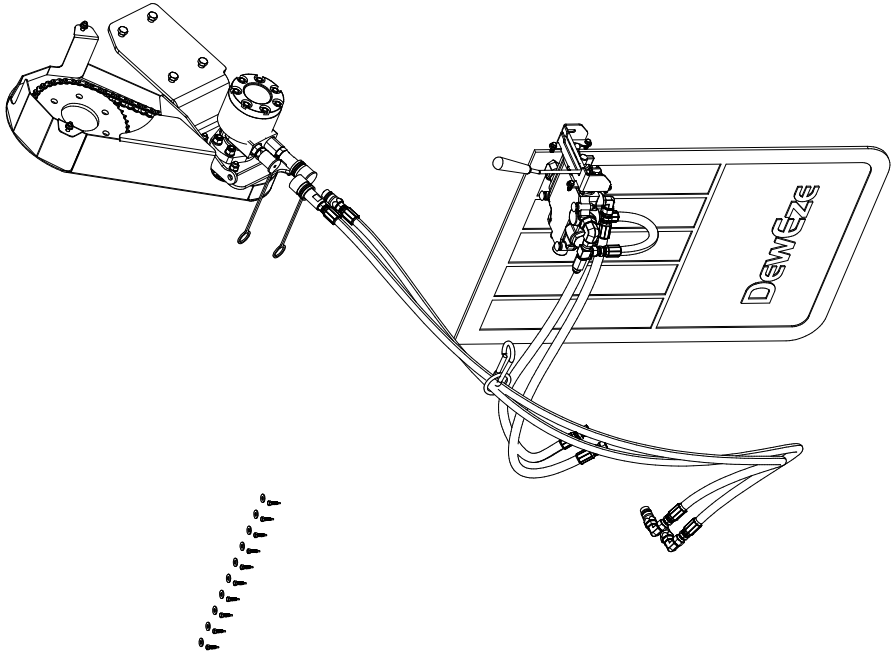


RT Drive Sprocket Assembly

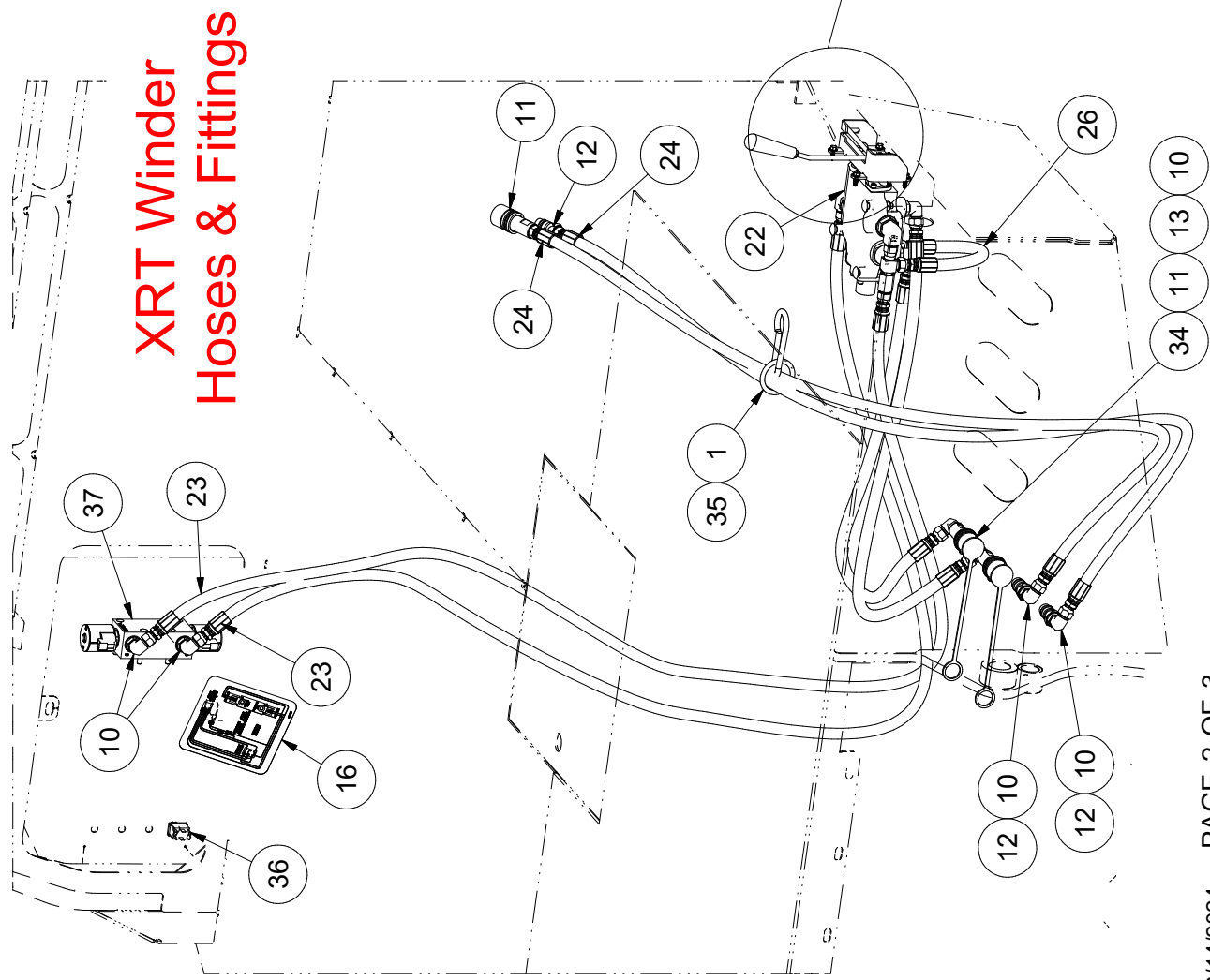
Part # 214008				DESCRIPTION
ITEM	QTY	PART #		
1	1	102125	Pin, Lock, .375 x 2.5, Grade 8, Single Wire	
2	1	110630	NUT, 1/4-20 LOCK (NYLON INSERT)	
3	1	110844	BOLT, 1/4-20 X 3	
4	1	270036	Stop Collar Outer, Drive Bushing, RT	
5	1	275022	Weldment, RT Drive Bushing	
6	1	275023	Weldment, RT Drive Sprocket, 5025	
7	1	500231	GREASE ZERK, 1/4-28 45deg	



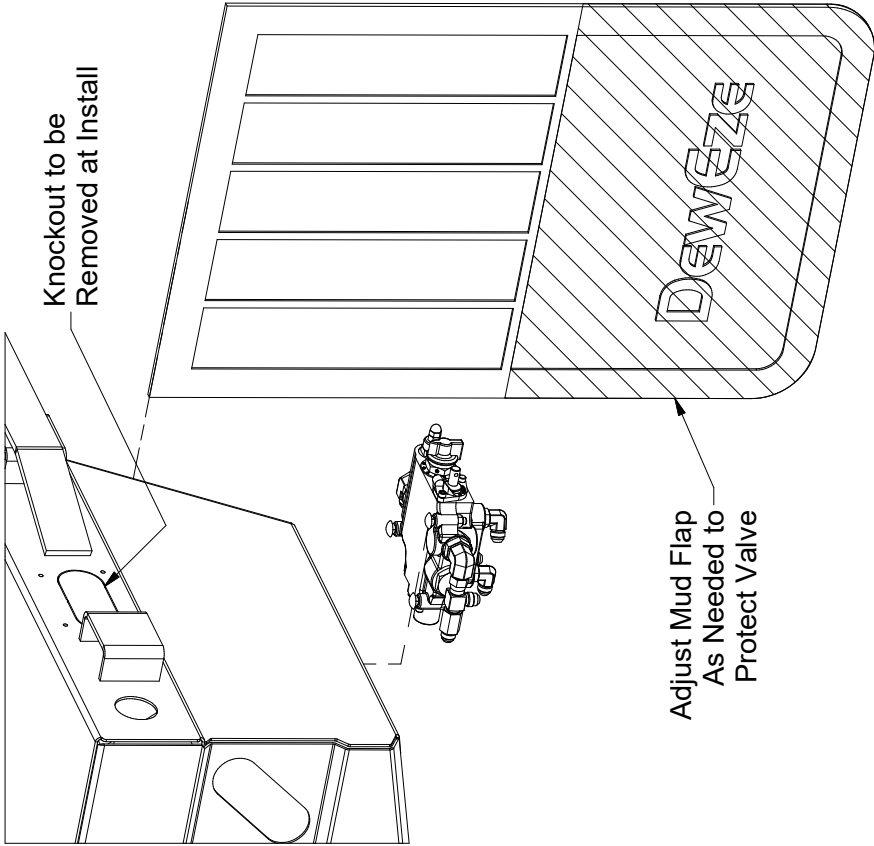
205426		REV: A	
Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	1	102128	Ring, 2"ID X .312, Zinc, Not For Lifting
2	2	110158	NUT, 5/16-18 JAM
3	1	110300	COTTER PIN, 3/32 X 0.75
4	4	110442	BOLT, 1/2-13 X 1.25
5	3	110606	NUT, 5/16-18 WIZ FLANGE
6	4	110615	NUT, 1/2-13, UNITORQUE LOCK
7	4	111220	Bolt, 1/4-20 x .75, Thread Cutting, SS
8	1	112142	Knob, Long Tapered
9	1	112146	Clevis Pin, 3/16" x 1.25", Zinc-Plated
10	2	120288	ADAPTER, 8MJ-8MB90
11	1	120581	Coupler, Pioneer Female, ORB
12	3	120582	Coupler, Pioneer Male, ORB
17	1	205043	INSTALL HARDWARE
18	1	205283	RT Chain Shield, Service Part
19	1	210174	MUD FLAP, WIDE, PAIR
20	1	214008	Drive Sprocket Assembly, RT
21	1	214011	Motor Assembly, RT Winder
22	1	214015	Valve Assembly, XRT Winder
24	2	220831	Hose, .50 x 99.0 8fjx90/8mb
25	2	220832	Hose, .50 x 41.0 8fjx8fjx
26	1	220833	Hose Assy, .50 x 15, 8fjx8fjx
28	1	240013	Chain, Drive, RT Winder
29	1	270039	Sprocket, 50A45, Reel Winder
30	1	270159	Valve Handle
31	1	275014	Weldment, RT Drive Mount
32	1	275062	Weldment, Valve Eyebrow
33	1	275063	Weldment, Valve Handle Clevis
35	1	902208	Carabiner, 3/8", Zinc



Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	1	102128	Ring, 2"ID X .312, Zinc, Not For Lifting
2	2	110158	NUT, 5/16-18 JAM
3	1	110300	COTTER PIN, 3/32 X 0.75
7	4	111220	Bolt, 1/4-20 x .75, Thread Cutting, SS
8	1	112142	Knob, Long Tapered
9	1	112146	Clevis Pin, 3/16" x 1.25", Zinc-Plated
10	6	120288	ADAPTER, 8MJ-8MB90
11	3	120581	Coupler, Pioneer Female, ORB
12	3	120582	Coupler, Pioneer Male, ORB
13	4	120583	Snap Ring, ORB Pioneer Coupler
16	1	202154	Decal, 3rd Bank, RT Valve
22	1	214015	Valve Assembly, XRT Winder
23	2	220697	Hose, .50 X 183.00, 8-8fjx
24	2	220831	Hose, .50 x 99.0 8fjx90/8mb
26	1	220833	Hose Assy, .50 x 15, 8fjx/8fjx
30	1	270159	Valve Handle
32	1	275062	Weldment, Valve Eyebrow
33	1	275063	Weldment, Valve Handle Clevis
34	2	420051	DUST PLUG, PIONEER COUPLER
35	1	902208	Carabiner, 3/8", Zinc
36	1	132134	Switch, Toggle, DPDT, On-Off-On
37	1	223045	Valve, 3rd Bank add on (223044)



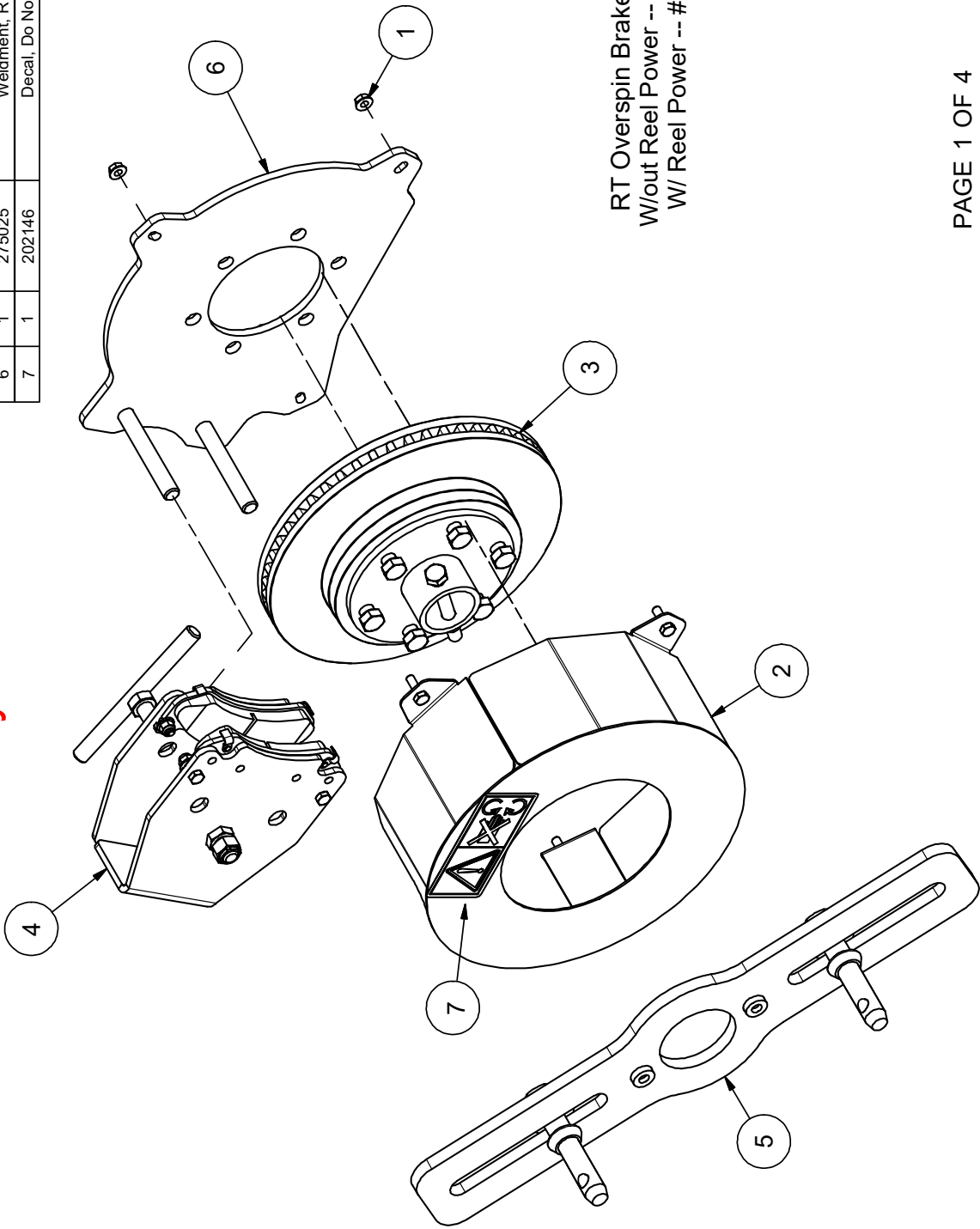
XRT Winder
Valve Assembly



205426			REV: A
Part # 214015			
ITEM	QTY	PART #	DESCRIPTION
1	3	110392	Bolt, 3/8-16 X 2 in Carriage
2	3	110621	NUT, 3/8-16, UNITORQUE LOCK
3	2	120246	ADAPTER, 8MJ-12MB90
4	1	120277	ADAPTER, 8MJ-8MB
5	2	120288	ADAPTER, 8MJ-8MB90
6	1	120427	ADAPTER, 8MJ-8FJX-8MJ
7	1	120535	Valve, Check, 8fj-8mj
8	1	223107	Valve, Spool, 1 Bank w/Flow Control, No Handle

RT Overspin Brake Option Assembly

Parts List				DESCRIPTION
ITEM	QTY	PART #		
1	3	110606		NUT, 5/16-18 W/ Z 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
7	1	202146		Decal, Do Not Remove Shield



RT Anti-Spin Bar

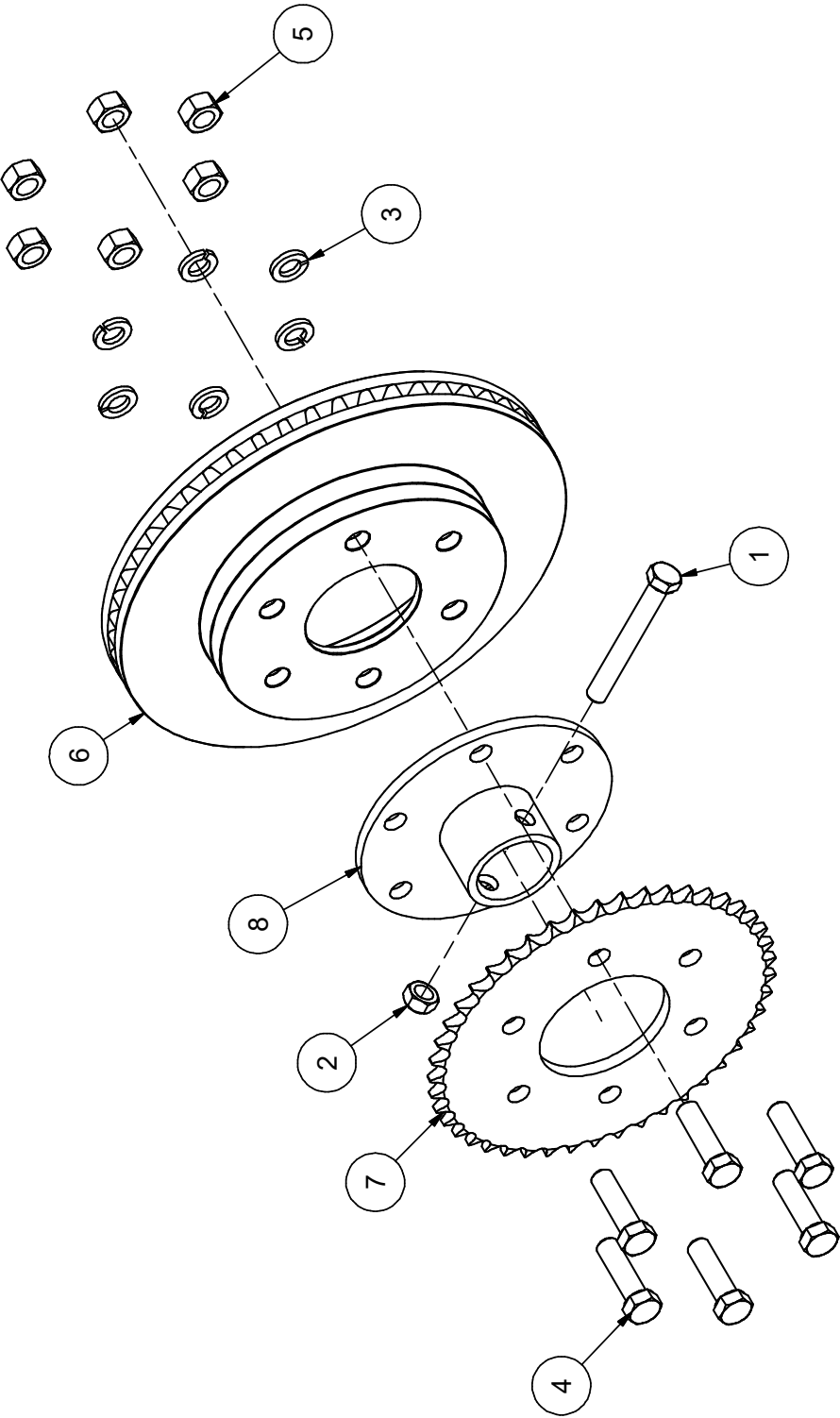
RT Brake Rotor Assembly

Part # 214007		
ITEM	QTY	DESCRIPTION
1	2	WASHER, 7/8" FLAT SAE
2	2	BOLT, 1/2-13 X 1.0
3	2	WASHER, 1/2" FLAT SPECIAL 1 1.50d
4	1	Weldment, RT Anti Spin Bar
5	2	3-Point Pin W/ Hardware

Part # 214005		
ITEM	QTY	DESCRIPTION
1	1	BOLT, 1/2-13 X 4, GR8
2	1	NUT, 1/2-13, UNITORQUE LOCK
3	6	WASHER, M14 LOCK
4	6	Hex Cap 9-16x2 UNC
5	6	NUT, 9/16-12, GR 5, Zinc
6	1	Brake Rotor, RT
7	1	Weldment, Disc Brake Rotor Mount

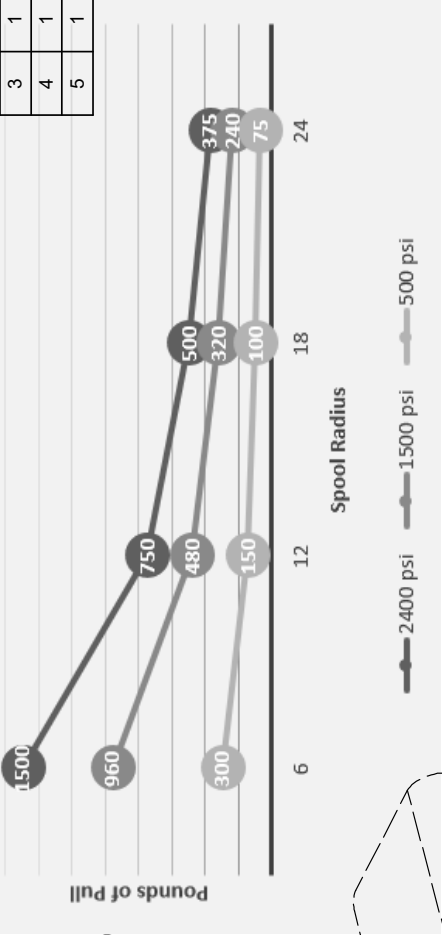
Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	1	110564	BOLT, 1/2-13 X 4, GR8
2	1	110615	NUT, 1/2-13, UNITORQUE LOCK
3	6	110937	WASHER, M14 LOCK
4	6	111177	Hex Cap 9-16x2 UNC
5	6	111178	NUT, 9/16-12, GR 5, Zinc
6	1	242011	Brake Rotor, RT
7	1	270039	Sprocket, 50A45, Reel Winder
8	1	275018	Weldment, Disc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

RT Brake Rotor Assembly W/ Drive Sprocket

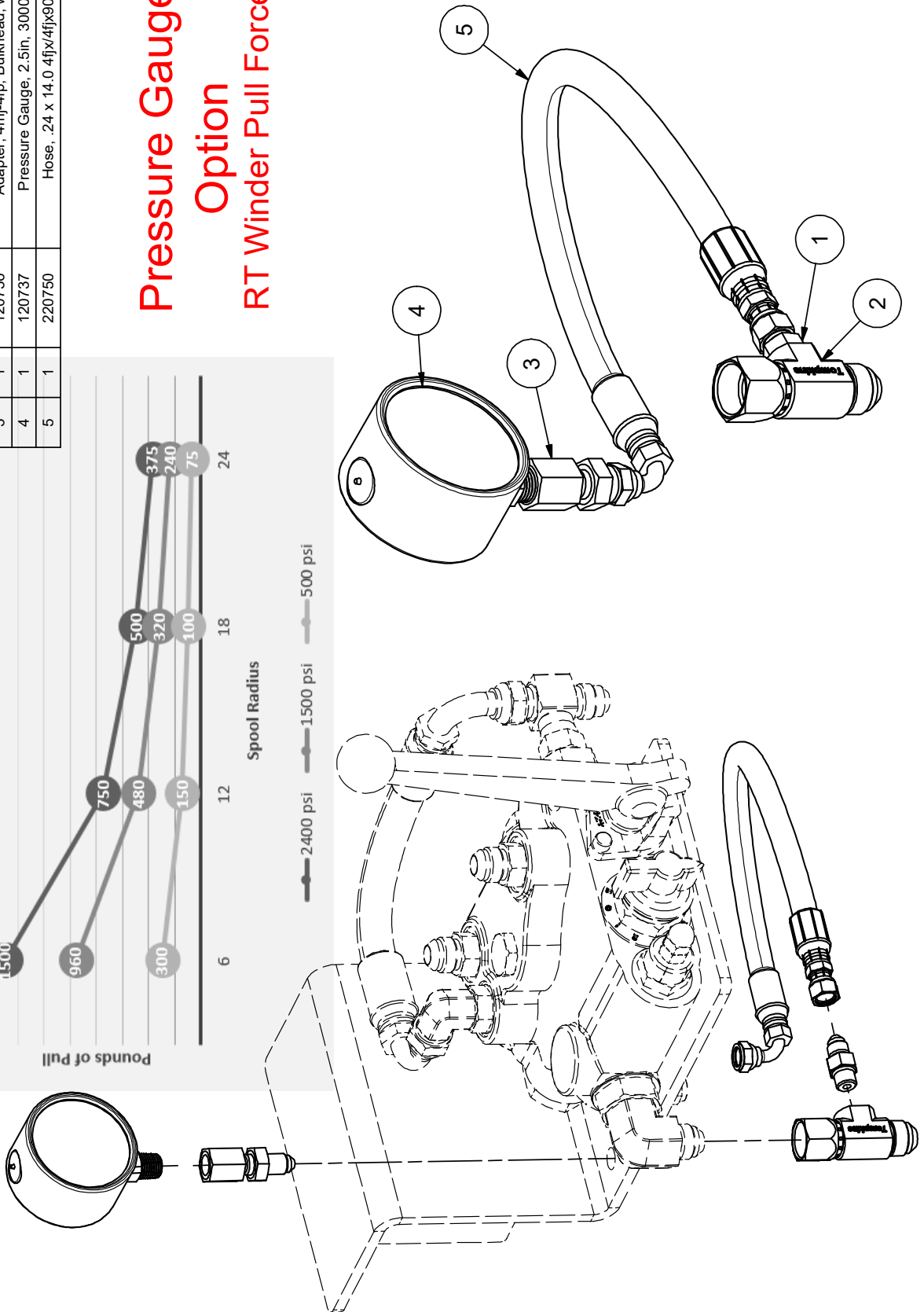


Part # 205285			
ITEM	QTY	PART #	DESCRIPTION
1	1	120233	ADAPTER, 4MJ-4MB
2	1	120679	Adapter, 8FJX-8MJ-4FB
3	1	120736	Adapter, 4mj-4fp, Bulkhead, w/LN
4	1	120737	Pressure Gauge, 2.5in, 3000 psi
5	1	220750	Hose, .24 x 14.0 4ft/4ftx90m

Pull Force

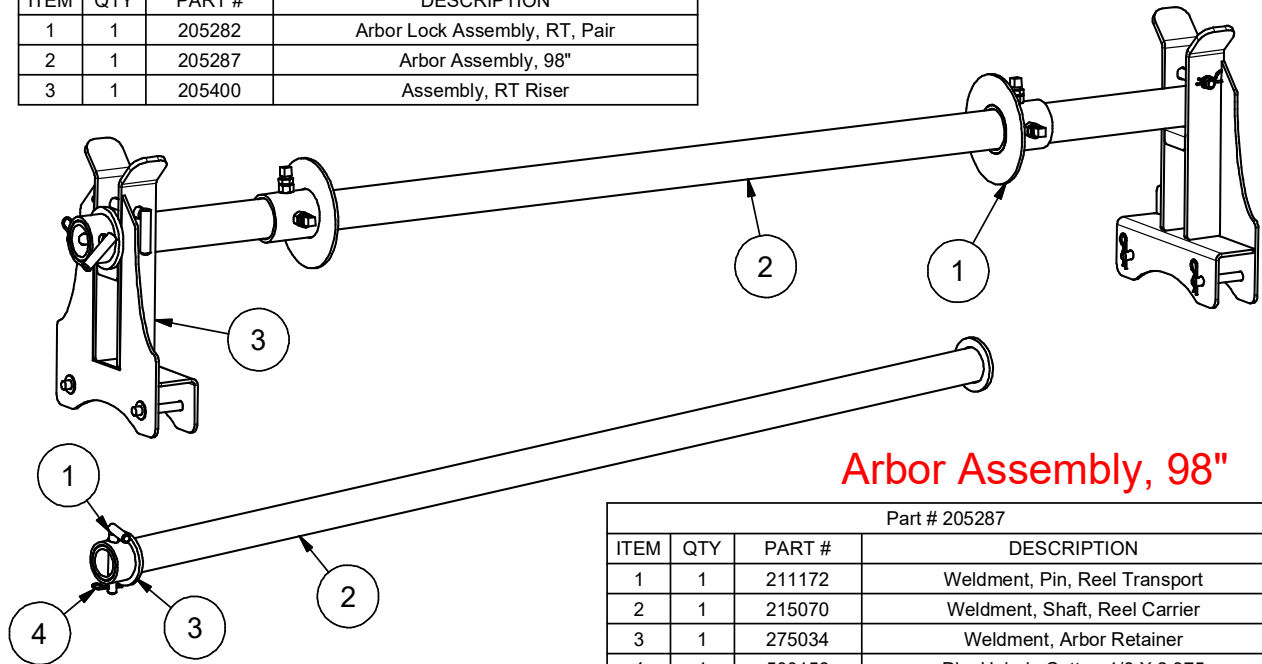


Pressure Gauge
Option
RT Winder Pull Force



Cradle Risers, Arbor & Locks

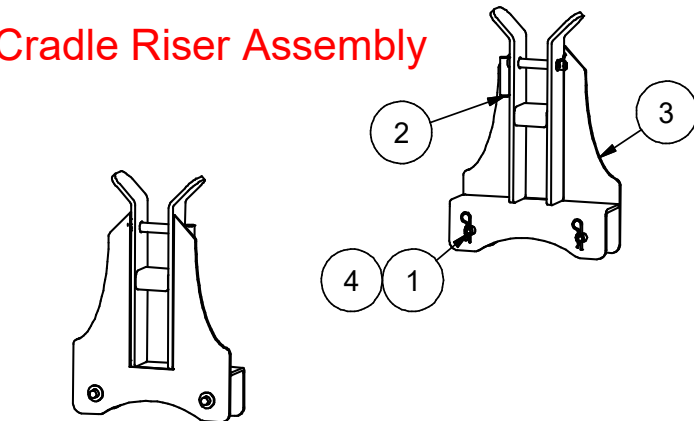
Part # 205292			
ITEM	QTY	PART #	DESCRIPTION
1	1	205282	Arbor Lock Assembly, RT, Pair
2	1	205287	Arbor Assembly, 98"
3	1	205400	Assembly, RT Riser



Arbor Assembly, 98"

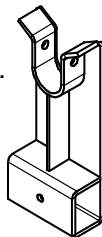
Part # 205287			
ITEM	QTY	PART #	DESCRIPTION
1	1	211172	Weldment, Pin, Reel Transport
2	1	215070	Weldment, Shaft, Reel Carrier
3	1	275034	Weldment, Arbor Retainer
4	1	500156	Pin, Hairpin Cotter, 1/8 X 2.375

Cradle Riser Assembly



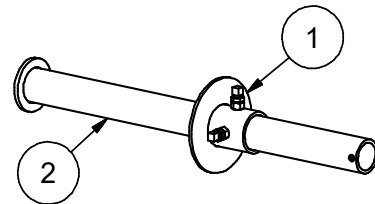
205400			
ITEM	QTY	PART #	DESCRIPTION
1	4	211171	Weldment, Pin, Reel Transport
2	2	211172	Weldment, Pin, Reel Transport
3	2	215442	WELDMENT, RT RISER
4	6	500156	Pin, Hairpin Cotter, 1/8 X 2.375

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



Arbor Lock Assembly

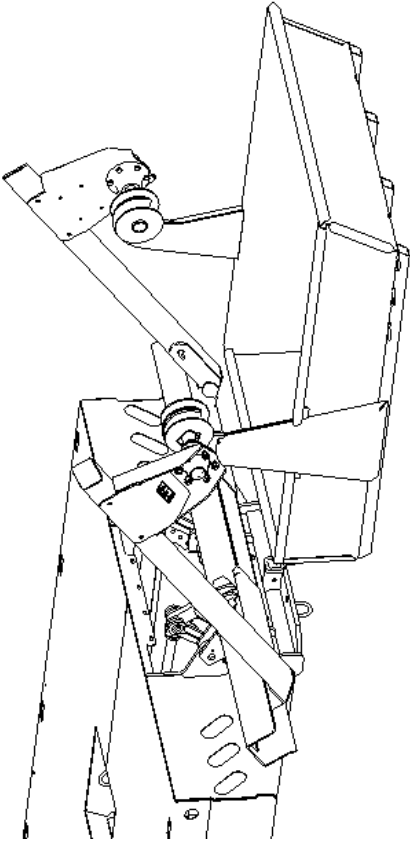
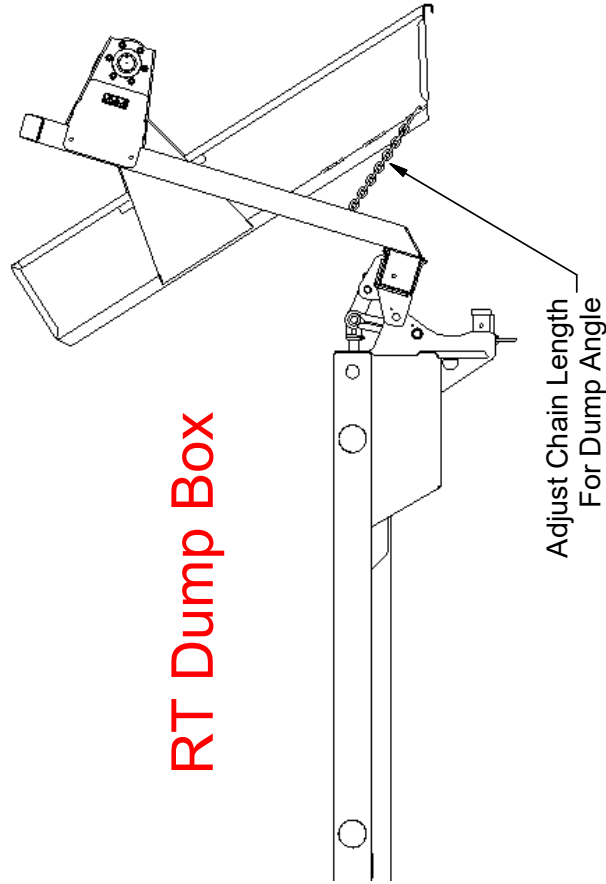
Part # 205282			
ITEM	QTY	PART #	DESCRIPTION
1	2	275024	Weldment, Arbor Lock, 3"
1.1		110039	NUT, 5/8-11 JAM
1.2		110147	Set Screw, 5/8-11 X 1 1/2 Sq Hd



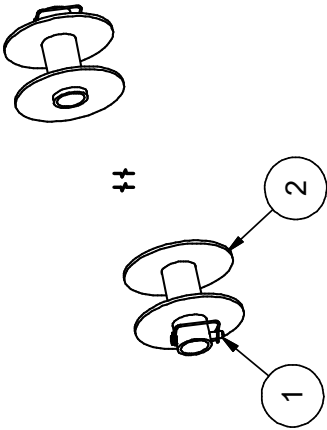
205401			
ITEM	QTY	PART #	DESCRIPTION
1	1	275024	Weldment, Arbor Lock, 3"
2	1	275047	Weldment, RT Arbor Adapter

6/14/2022

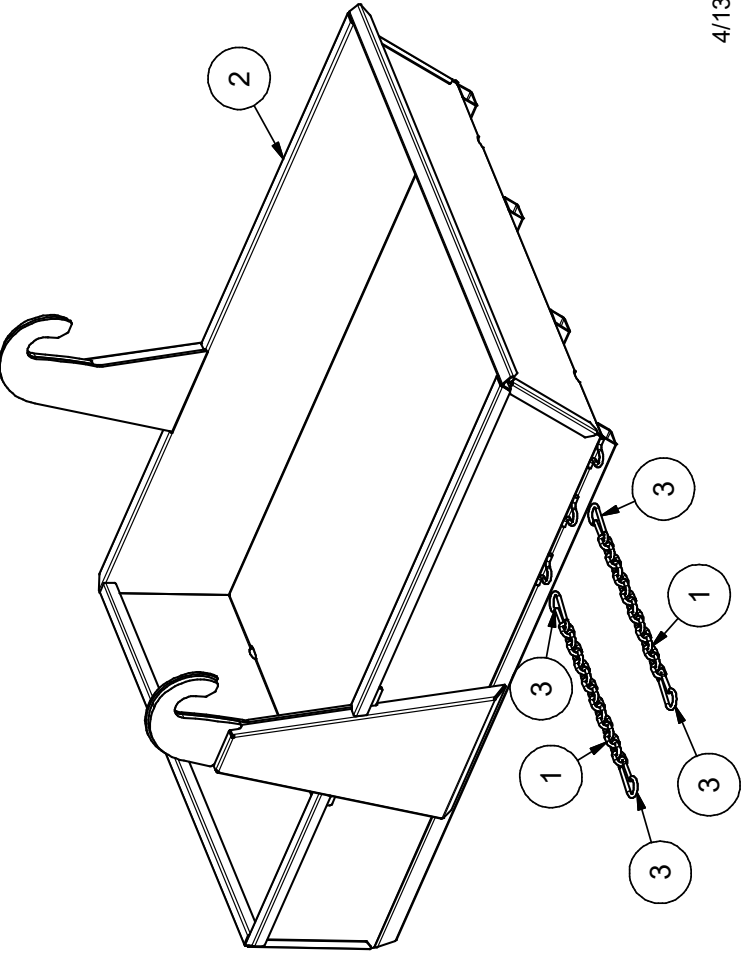
RT Dump Box



Part# 205378			
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

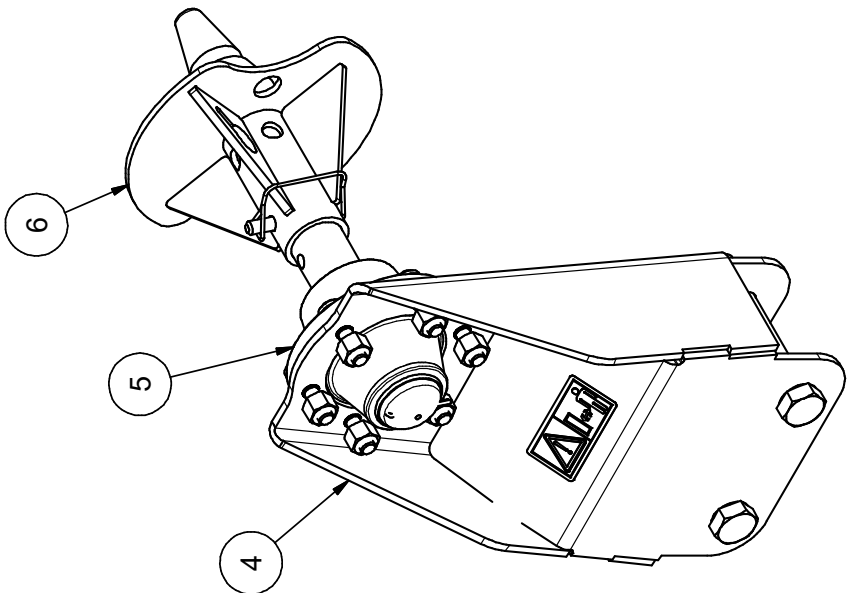
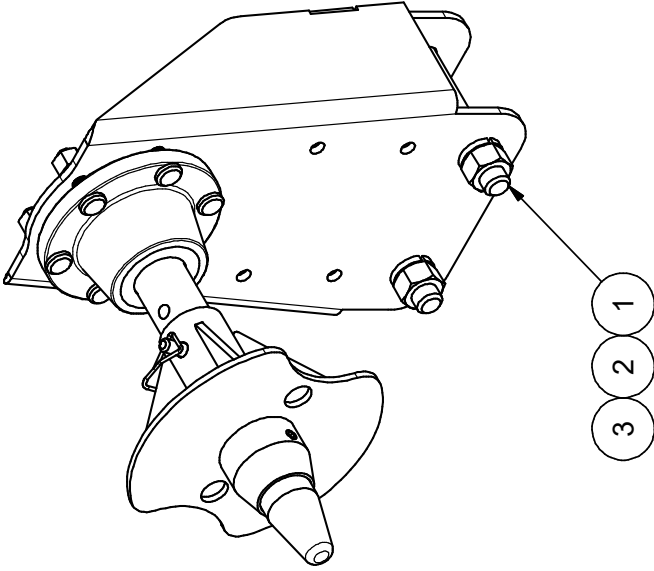


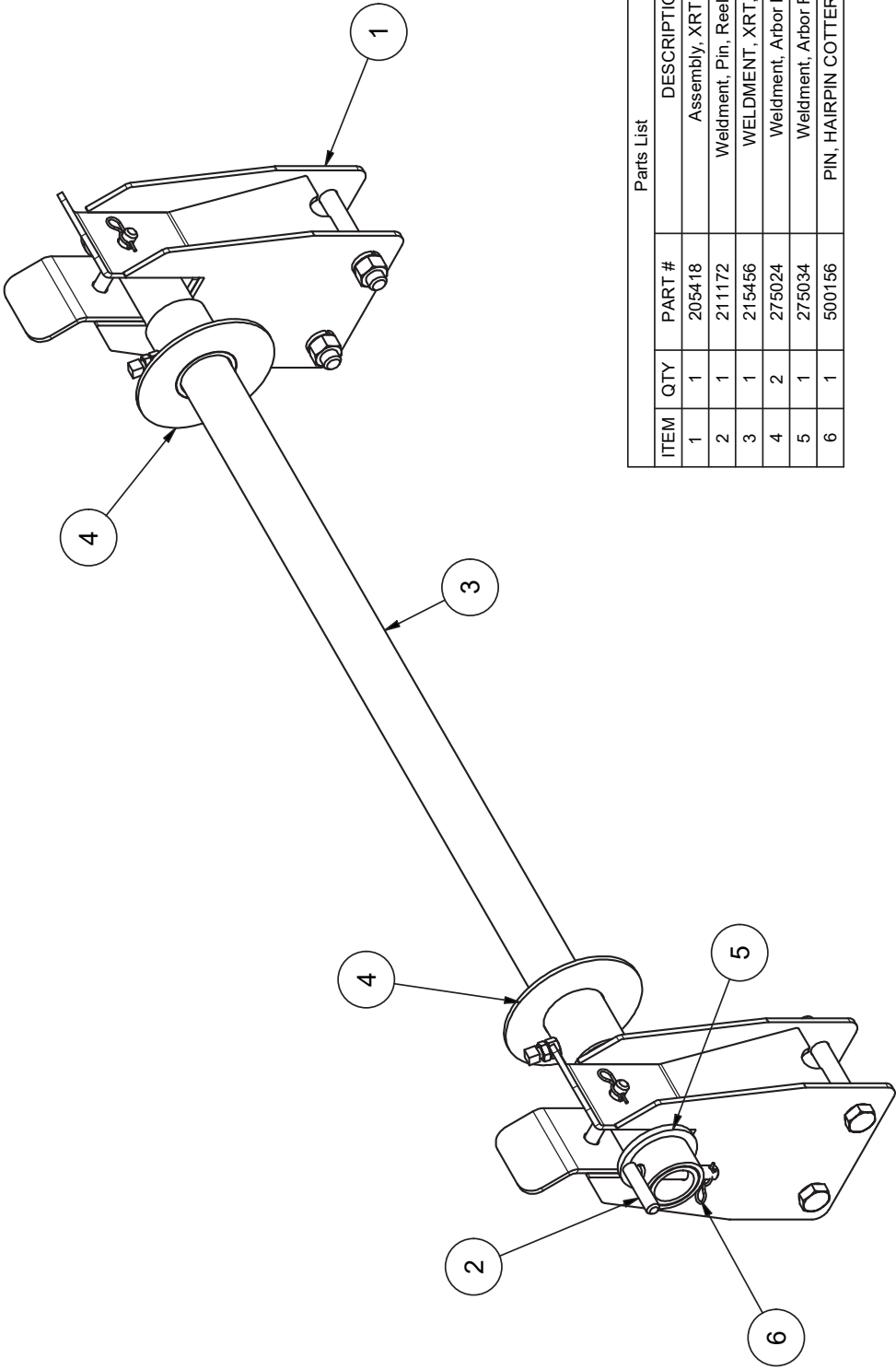
Part# 205383			
ITEM	QTY	PART #	DESCRIPTION
1	2	102124	Pin, Lock, .50 x 3, Grade 8, Single Wire
2	2	275029	Weldment, RT Dump Box Spinner



XRT Spinner &
Riser
Assembly

Part # 205412			
ITEM	QTY	PART #	DESCRIPTION
1	4	110364	BOLT, 1-8 X 7.0
2	4	110601	NUT, 1-8
3	4	110649	WASHER, 1" LOCK
4	2	205413	XRT Spindle Riser, 4x4 Arm, Service Part
5	2	214004	Spindle & Hub Assembly, RT
6	2	214010	Spinner Assembly, RT





Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	1	205418	Assembly, XRT Riser
2	1	211172	Weldment, Pin, Reel Transport
3	1	215456	WELDMENT, XRT, ARBOR
4	2	275024	Weldment, Arbor Lock, 3"
5	1	275034	Weldment, Arbor Retainer
6	1	500156	PIN, HAIRPIN COTTER, 1/8 X 2.375

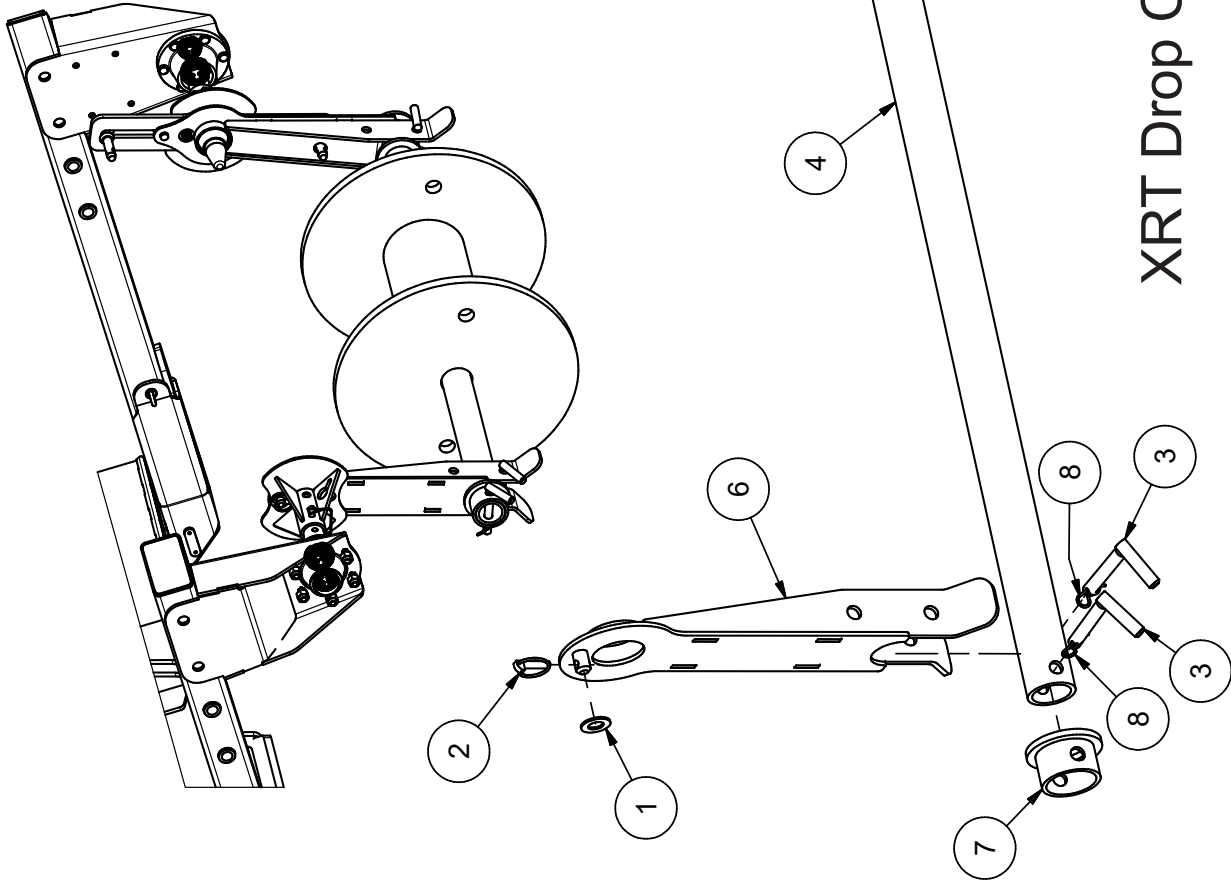
XRT Cradle Riser, Arbor, & Locks

Exploded view diagram of the XRT Riser Assembly. The diagram shows two views of the assembly. The top view shows the riser with callouts 1 through 6. The bottom view shows the riser with callouts 1 through 6. A lightning bolt symbol is present between the two views.

ITEM	QTY	PART #	DESCRIPTION
1	4	110364	BOLT, 1-8 X 7.0
2	4	110601	NUT, 1-8
3	4	110649	WASHER, 1" LOCK
4	2	211172	Weldment, Pin, Reel Transport
5	2	215454	WELDMENT, XRT RISER
6	2	500156	PIN, HAIRPIN COTTER, 1/8 X 2.375

XRT Riser Assembly

Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	2	110046	WASHER, 7/8" FLAT SAE
2	2	110305	Pin, Lynch 7/16 x 1 3/4
3	3	211172	Weldment, Pin, Reel Transport
4	1	265230	Weldment, Drop Cradle Arbor
5	1	265232	Weldment, Drop Cradle Right, XRT
6	1	265233	Weldment, Drop Cradle Left, XRT
7	1	275034	Weldment, Arbor Retainer
8	3	500156	PIN, HAIRPIN COTTER, 1/8 X 2.375



XRT Drop Cradle

NOTE: To transfer between drop cradle and winder, reels under 32" will need to be elevated off the bed deck.

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:

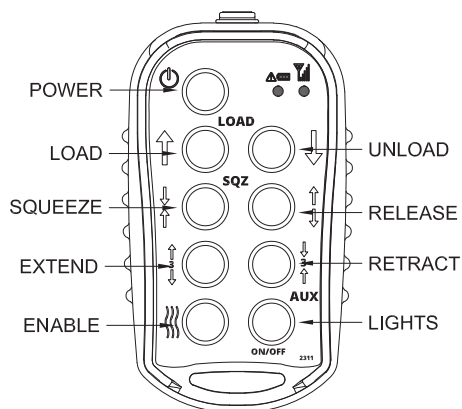
This repair is designed to easily fix small, damaged areas fast and with limited amount of effort. However this product is fast reacting so make sure to thoroughly read this instruction sheet before proceeding with repairs.

Application Instruction:

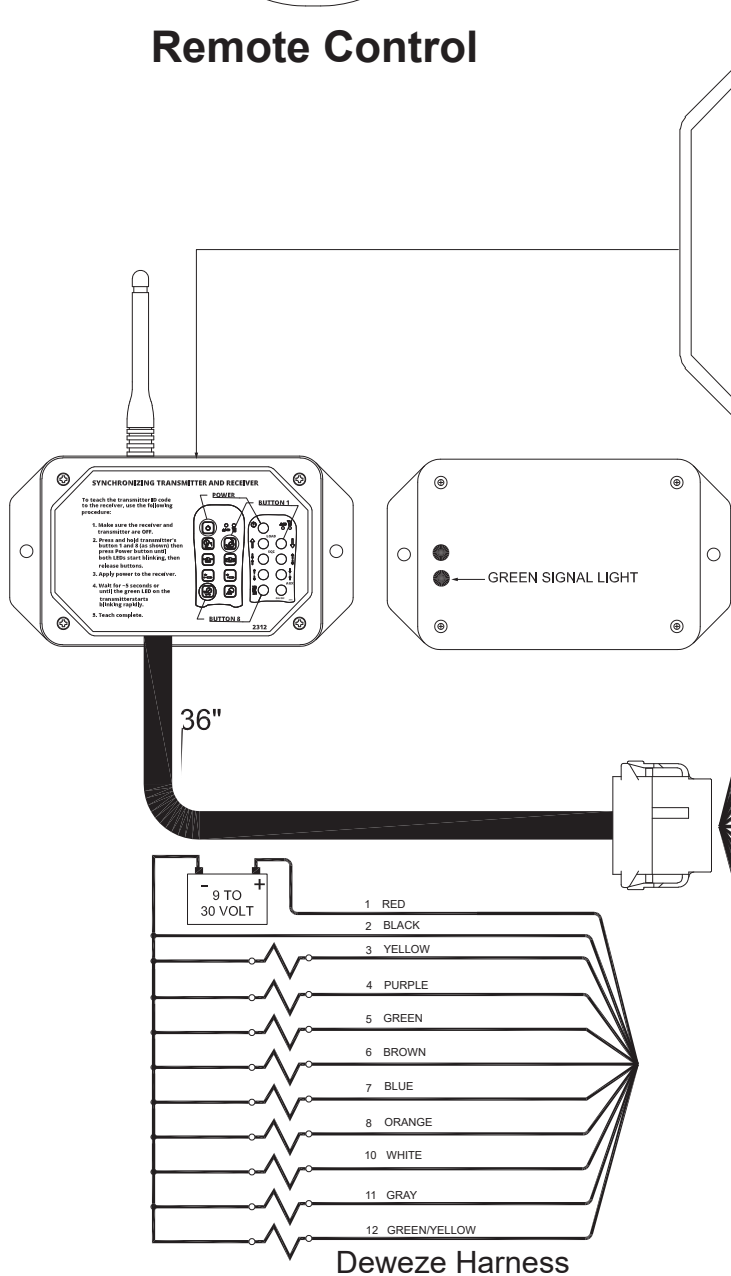
- Step 1.** Before you start, put on rubber gloves and safety glasses.
- Step 2.** Place a piece of cardboard or newspaper next to the repair area prior to opening and mixing the material.
- Step 3.** Cut back damaged area with a razor knife to make a square.
- Step 4.** Sand area and feather edges with 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

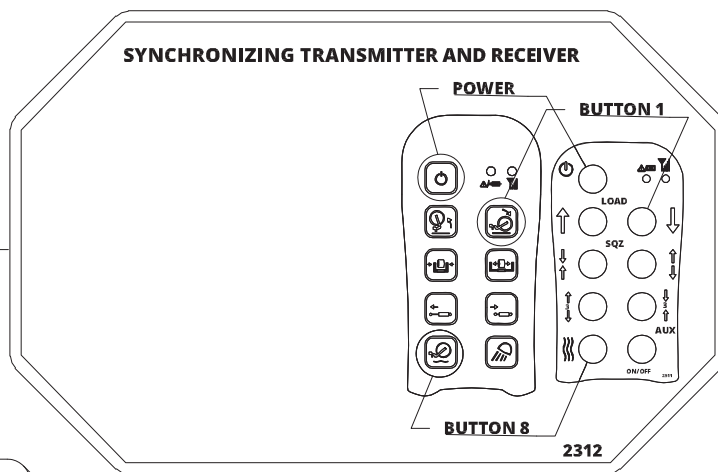
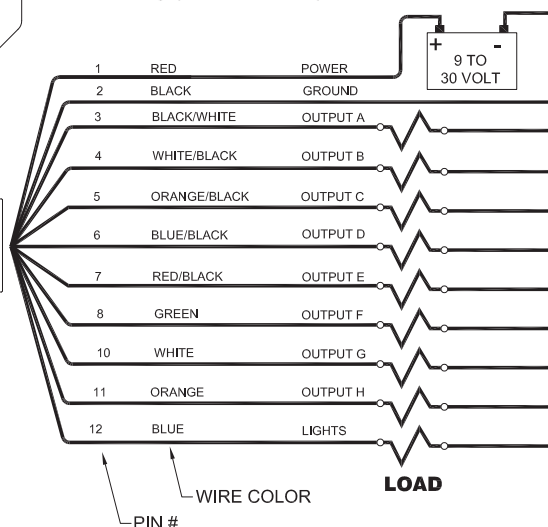


FIG. 1: RECEIVER WITH COVER REMOVED



OPERATION

- To turn on the transmitter, press and hold the POWER button for at least 2 seconds and release
- To turn the transmitter off, press and hold the POWER button until the LEDs stop toggling
- The transmitter is designed with a power saving feature which turns the transmitter off after 15 minutes irrespective of receiver status.
- There are red and green LEDs both on the keypad of the transmitter and inside the receiver case. The green LED will double blink when no buttons are pressed, blink rapidly when talking to the receiver & a button is pressed, and it will slowly blink if there is no communication (i.e. - no power to the receiver) when a button is pressed.
- The red LED on the receiver will blink if there is a shorted or open output. Refer to the ERROR CODE CHART table and count the number of blinks to determine the output with the fault.
- The transmitter's red LED blinks 1 time per second if the battery is low and needs charging.
- If transmitter is powered off or goes out of range outputs will turn off and be disabled until power on and in range.

SYNCHRONIZING TRANSMITTER AND RECEIVER

Each transmitter and receiver pair is synchronized together at the factory. If a new transmitter is needed, synchronizing is required. Use the following procedure:

1. Make sure transmitter and receiver are off.
2. Press and hold transmitter UNLOAD and ENABLE button, then press POWER button until both LEDs start blinking.
3. Release buttons
4. Apply power to receiver
5. Wait for 5 seconds or until the green LED on the transmitter starts blinking.
6. Teach complete

SLEEP TIME

All transmitters have the ability to change the sleep time from the default to user's preference. The transmitter is factory set to turn off (sleep) after 15 minutes irrespective of receiver status. To change the time the transmitter waits before going to sleep, use the following procedure:

1. With the transmitter off, press and hold buttons SQUEEZE, RELEASE, ENABLE & POWER (~ 5 seconds).
2. At this point, both lights will blink once per second. Release the buttons.
3. On the transmitter, press one of the following buttons to adjust the sleep time:
 - UNLOAD = 15 minutes
 - LOAD = 30 minutes
 - RELEASE = 60 minutes
 - SQUEEZE = 120 minutes
 - ENABLE = DISABLED
4. Sleep time programming complete

CLONING TRANSMITTERS

WARNING! - ONLY ONE TRANSMITTER CAN BE ON AT A TIME, THEY CANNOT BE USED SIMULTANEOUSLY - use with CAUTION!

Occasionally, it is desirable to have more than one transmitter work with a single receiver. This is accomplished by a process called cloning. Cloning allows an additional transmitter (B) to have the same ID code as the original transmitter (A). If this feature is desired, use the following procedure:

1. Make sure both transmitters and the receiver are off
2. On Transmitter A, press and hold the POWER button for 10 seconds until LEDs blink, then release. Green and red LEDs will blink together at this point
3. On Transmitter B, press and hold buttons LOAD, UNLOAD, and POWER simultaneously until both LEDs start to blink
4. Wait for few seconds until the green LED starts to blink on both transmitter A and transmitter B.
5. Turn both the transmitters off
6. Synchronize one of the transmitters to the receiver using SYNCHRONIZING TRANSMITTER AND RECEIVER instructions above

If the cloning feature has been invoked and is no longer desired, the ID code of one of the transmitters needs to be changed. This will unclone the transmitters.

If this is desired, use the following procedure:

- Make sure the transmitter is off.
- Press and hold LOAD, RELEASE, ENABLE and POWER buttons for 5 seconds.
- Release all the buttons when GREEN and RED LEDs start toggling.
- Press any button and release, GREEN LED should start to double-blink.
- ID change Sequence complete.

PROGRAMMING OUTPUTS:

The user can determine output functionality and program the system to respond as desired out of 4 options available. This is determined by the following procedure:

1. Make sure transmitter and receiver are synchronized.
2. Turn off the receiver and turn on the transmitter.
3. Press and hold buttons UNLOAD, SQUEEZE, and ENABLE simultaneously. Red LED should be blinking at this point. Release buttons.
4. Turn on the receiver.
5. Hold and release one of the below switches for one second to select desired logic for outputs:
6. Hold and release POWER button for one second to save the selection and exit configuration mode.

<u>LOAD (factory default)</u>	
BUTTON PRESS	ENGAGE OUTPUTS
UNLOAD	A, B & C
LOAD	B & D
RELEASE	A, B & E
SQUEEZE	B & F
RETRACT	A, B, G & H
EXTEND	B, G & H
LIGHTS	LIGHTS (LATCHING)
ENABLE	C & D (LATCHING)

<u>SQUEEZE</u>	
BUTTON PRESS	ENGAGE OUTPUTS
UNLOAD	A
LOAD	B
RELEASE	C
SQUEEZE	D
RETRACT	E
EXTEND	F
LIGHTS	-
ENABLE	H (LATCHING)

<u>EXTEND</u>	
BUTTON PRESS	ENGAGE OUTPUTS
UNLOAD	A
LOAD	B
RELEASE	C
SQUEEZE	D
RETRACT	E
EXTEND	F
LIGHTS	G (LATCHING)
ENABLE	H (LATCHING)

<u>Float/ENABLE (works with 3A151GA only)</u>	
BUTTON PRESS	ENGAGE OUTPUTS
UNLOAD	A, B & C
LOAD	B & D
RELEASE	A, B & E
SQUEEZE	B & F
RETRACT	A, B, G & H
EXTEND	B, G & H
LIGHTS	LIGHTS (LATCHING)
ENABLE (Doesn't need for Lights button)	Doesn't engage any outputs, but enables other buttons for 5 seconds to engage respective outputs

SPECIFICATIONS:

Electrical:

RF Transmit power (EIRP): 10 mW
RF Frequency: 902-928 MHz

Transmitter:

Power: 3.7 Lithium battery
Operation time: 16 to 17 hours continuous

Receiver:

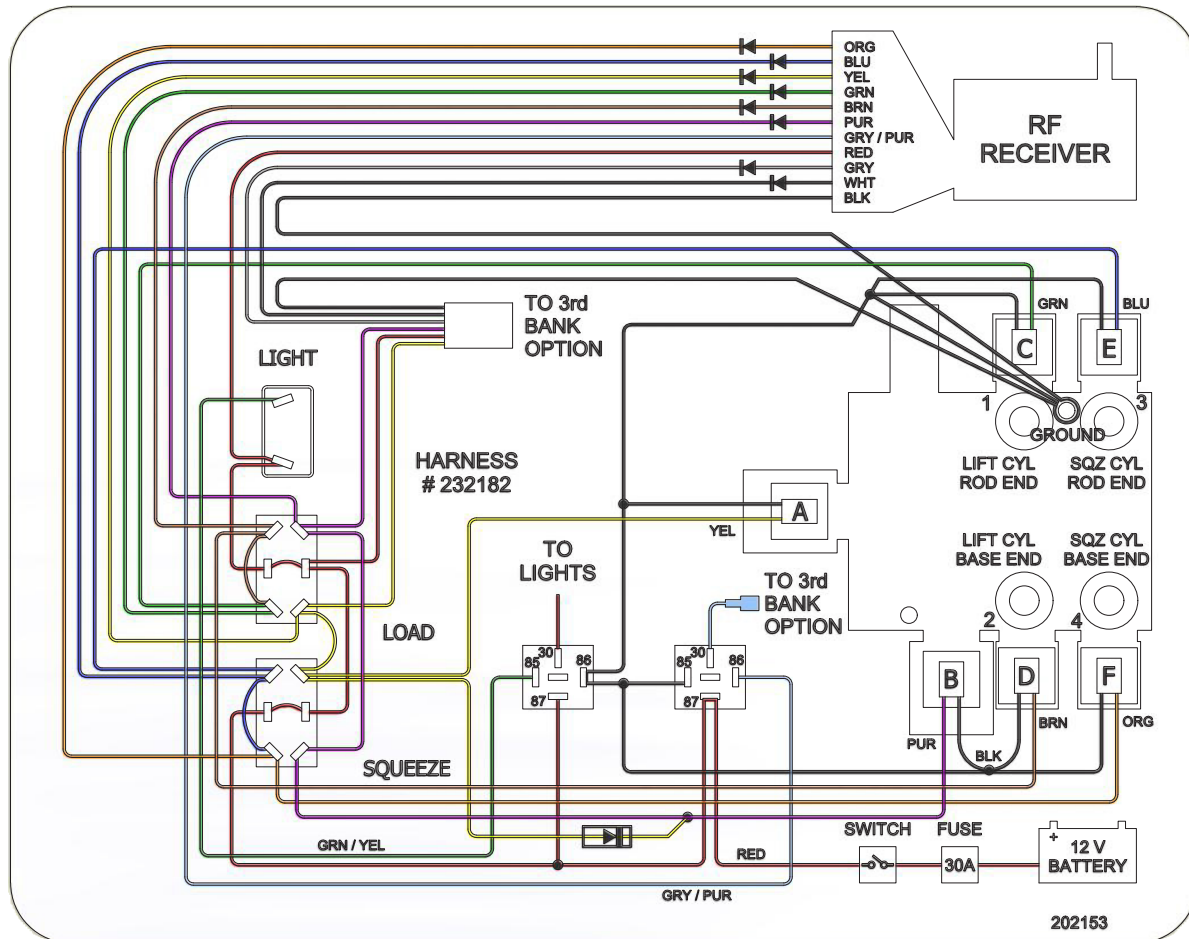
Power: 9 to 30 Volts DC
Outputs: 5A max each (20A system max)

Environmental:

Transmitter: -18°C to +55°C Receiver: -40°C to +85°C

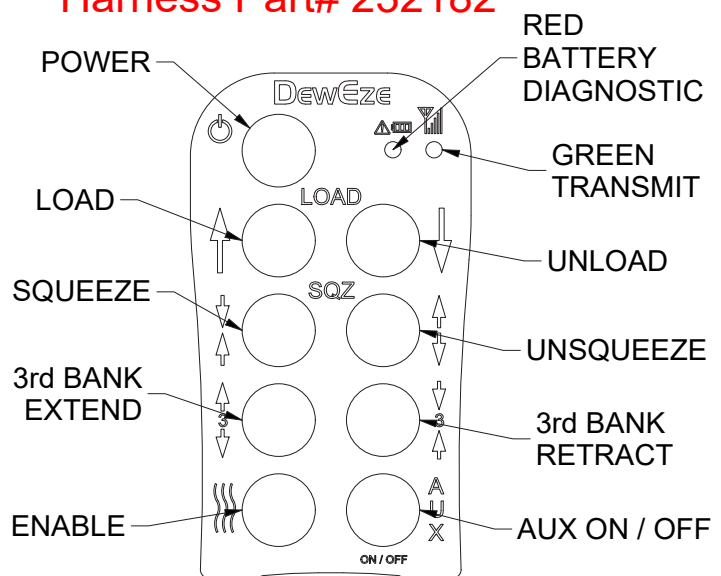
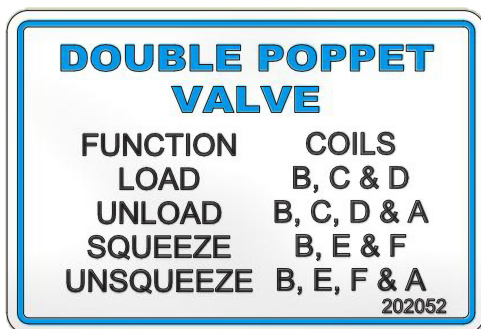
2 Bank Wiring, Reel Transport, Enable Function

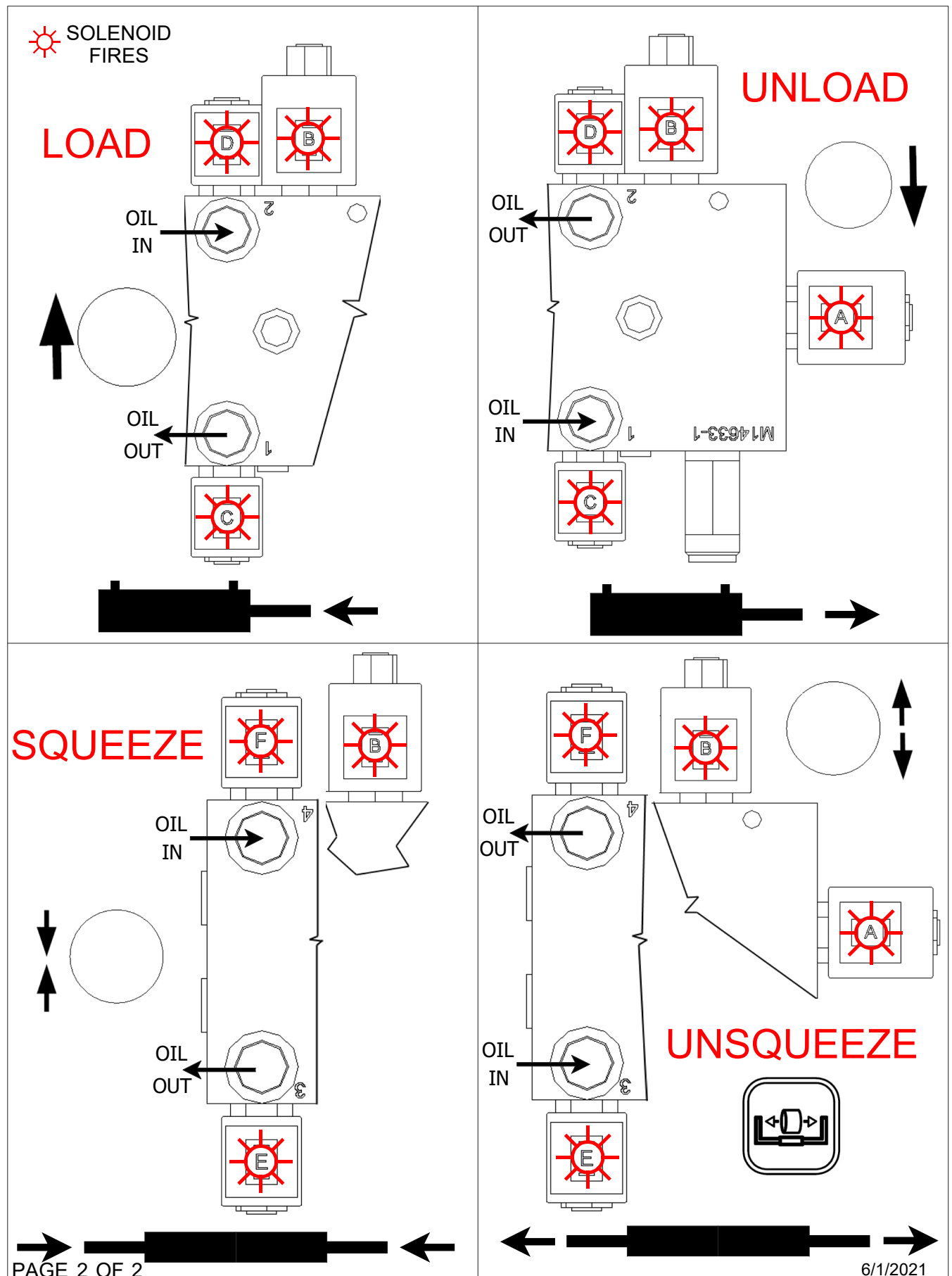
Gen 3 Double Poppet, Deutsch



Decal Part# 202153

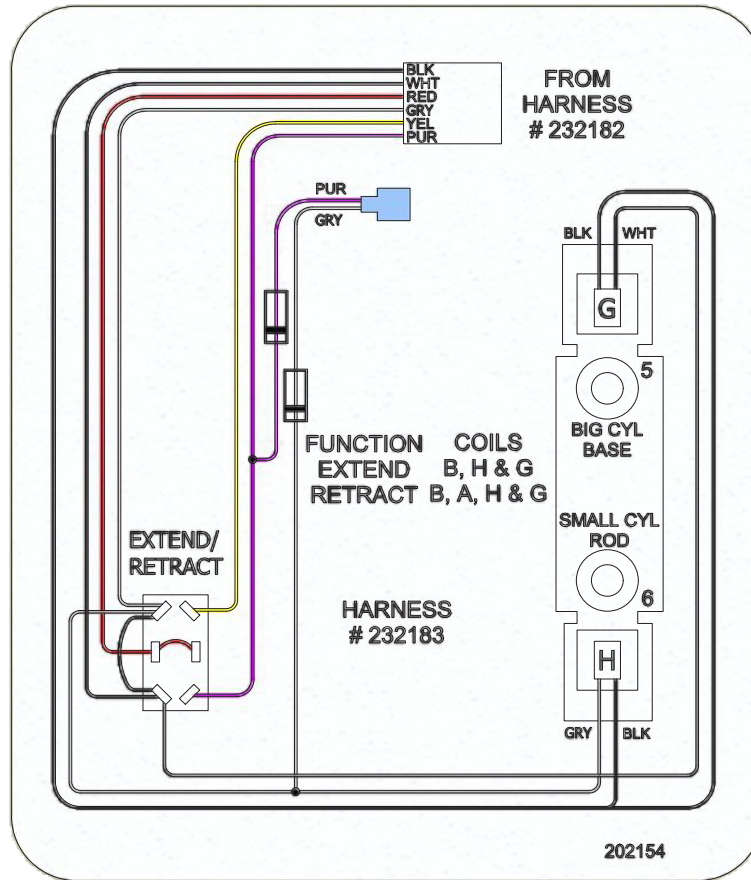
Harness Part# 232182





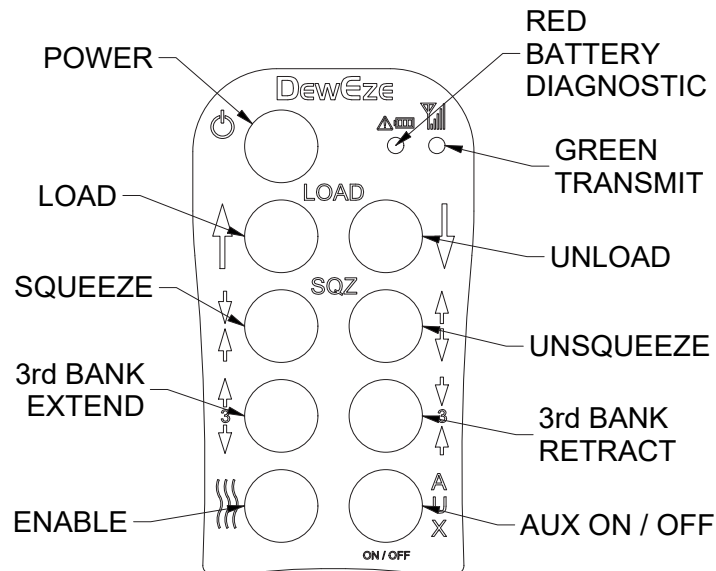
3rd Bank Wiring, Reel Transport, Enable Function

Gen 3 Double Poppet, Deutsch



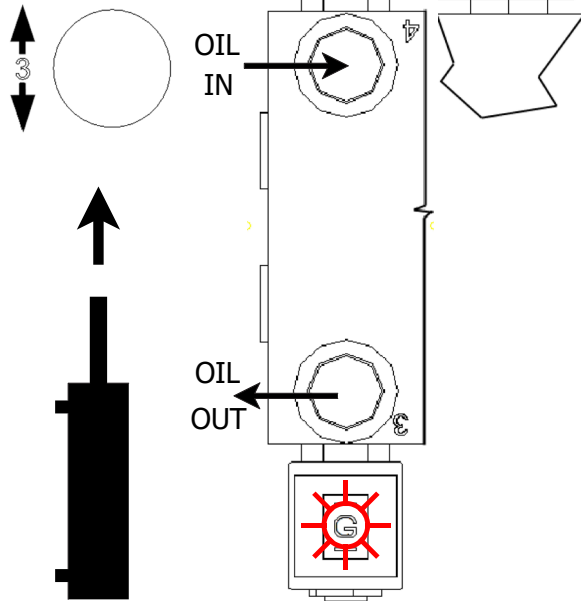
Decal Part# 202154

Harness Part# 232183

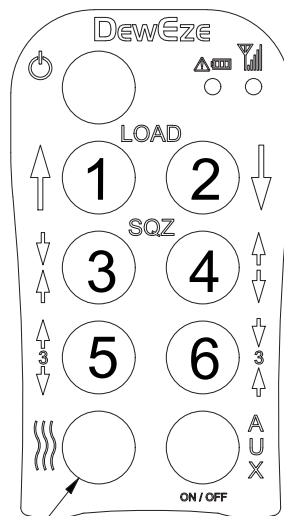
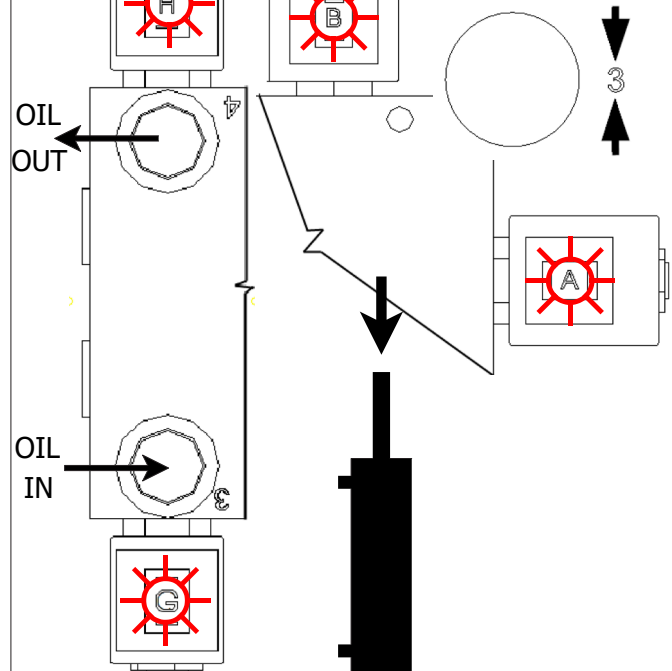


6/1/2021

EXTEND

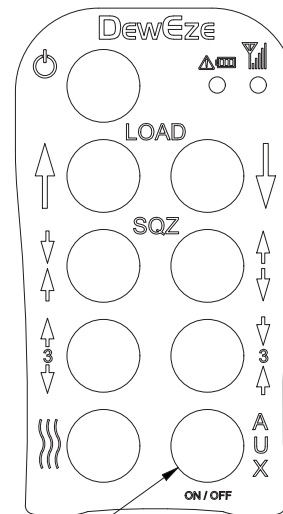


RETRACT



ENABLE

Enables other
buttons for 5
seconds to engage
respective outputs



AUX ON / OFF

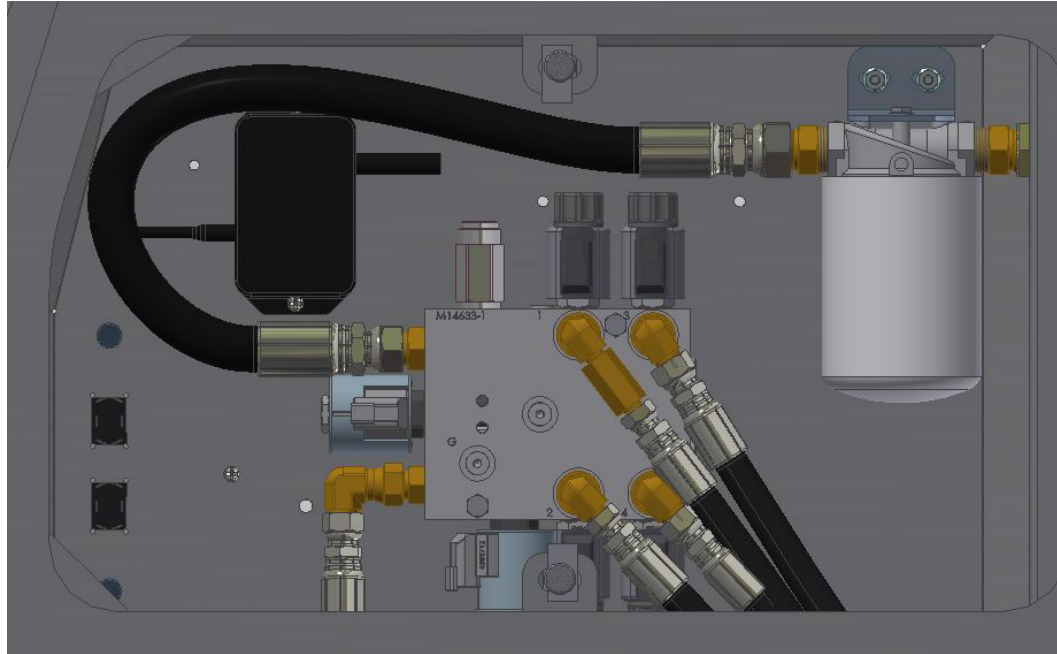
3rd Bank Latching
Latches 3rd bank in on
position for operating
winder function

6/1/2021

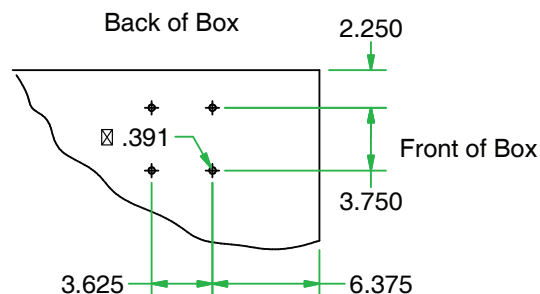
Appendix III

E / H KIT INSTALLATION INSTRUCTIONS

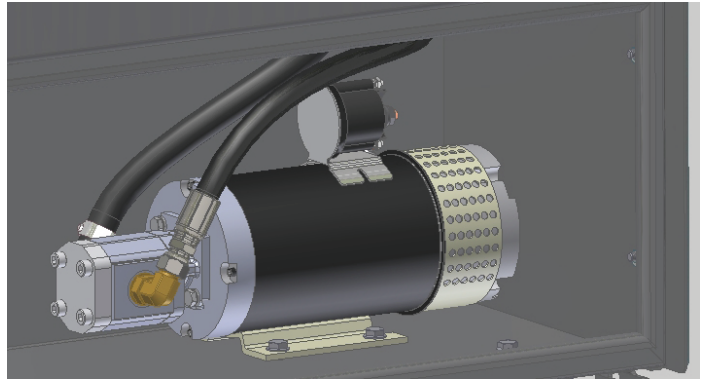
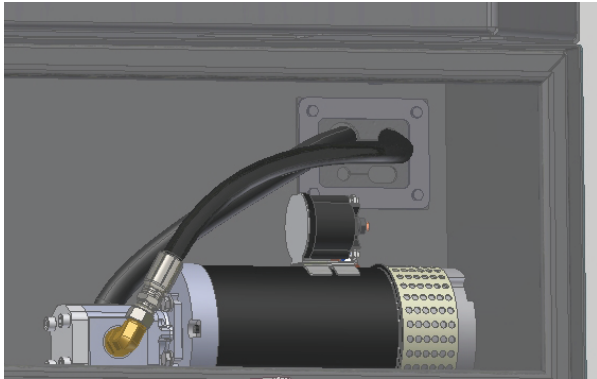
* Read all instructions first.



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.

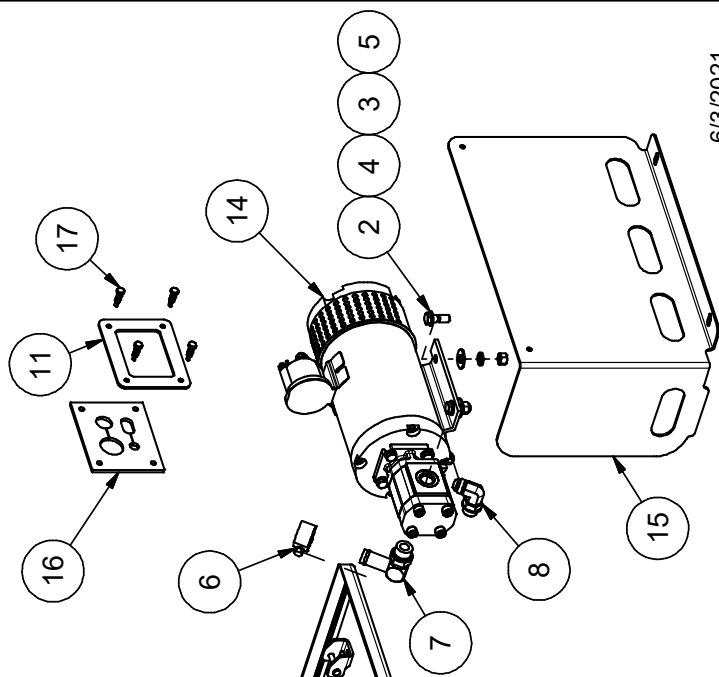


11. Attach suction hose and pressure hose to pump with adapters provided.
12. Attach suction hose to bottom of reservoir.
13. Run battery cables through hole in toolbox and attach to E/H motor as indicated.
14. Run battery cables along frame rail and attach black cable to negative terminal on battery.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

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

This diagram shows the exploded view of the cable tie assembly. The components are numbered as follows:

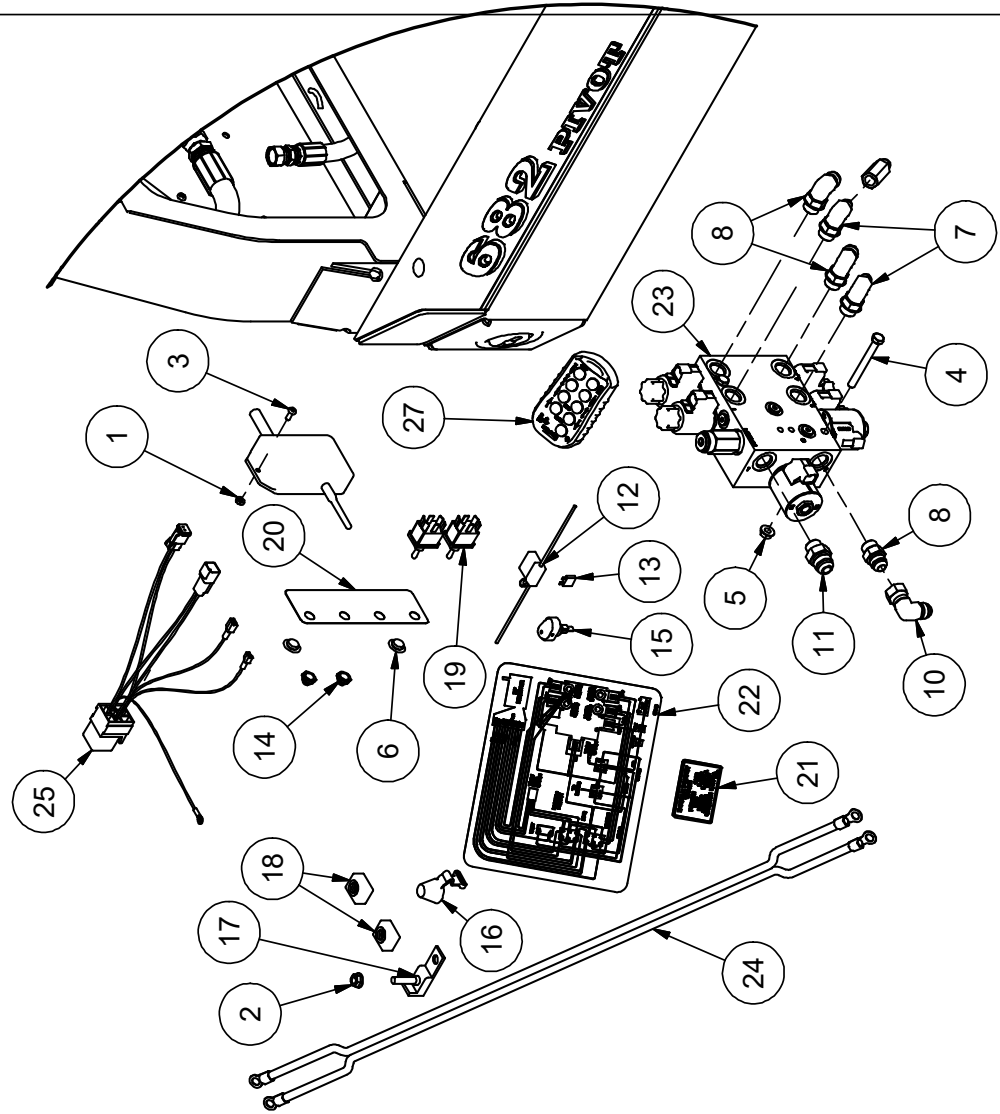
- 1: Cable tie
- 2: Cable tie head
- 3: Cable tie head cap
- 4: Cable tie head cap screw
- 5: Cable tie head cap nut
- 6: Cable tie head cap washer
- 7: Cable tie head cap seal
- 8: Cable tie head cap seal cap
- 9: Cable tie head cap seal cap screw
- 10: Cable tie head cap seal cap nut
- 11: Cable tie head cap seal cap washer
- 12: Cable tie head cap seal cap seal



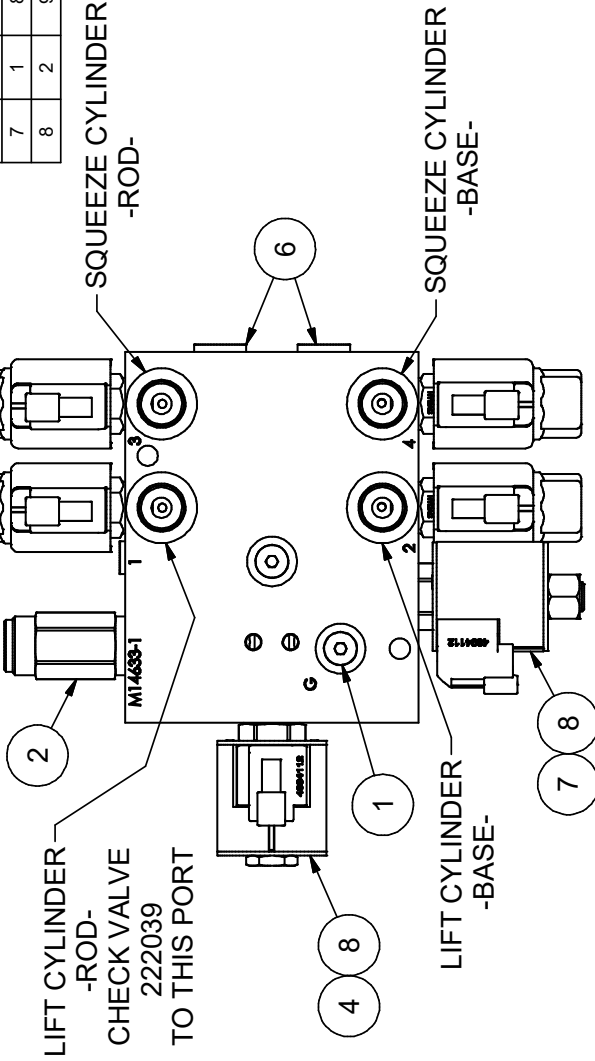
6/3/2021

RT Heavy Duty E/H, W/Remote Part # 205384		
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	120753 PLUG, 1/2" BUTTON PLASTIC
7	2	120134 ADAPTER, 6MJ-8MB90
8	1	120277 ADAPTER, 8MJ-8MB
8	1	120288 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	3	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	202003 DECAL, SWITCH IDENTIFICATION
21	1	202052 Decal, Double Poppet Valve
22	1	202153 Decal, Wiring Diagram, RT Valve
23	1	223044 Flatbed Valve, Small, Monoblock Ver II
24	1	230155 BATTERY CABLE, 2GA TWIN LEAD, 186"
25	1	232115 Harness, Flatbed Valve, E/H Control
26	1	232182 Harness, Reel Transport, 2 Bank
27	1	233012 Transmitter & Receiver, Macro, Kar-Tech
	1	232245 Charging Cable, USB 2.0 A to Micro B, 3'

Heavy Duty E/H Kit W/ Remote W/ Enable Function



Flatbed Valve
-08 Hydac Deutsch
Service Parts

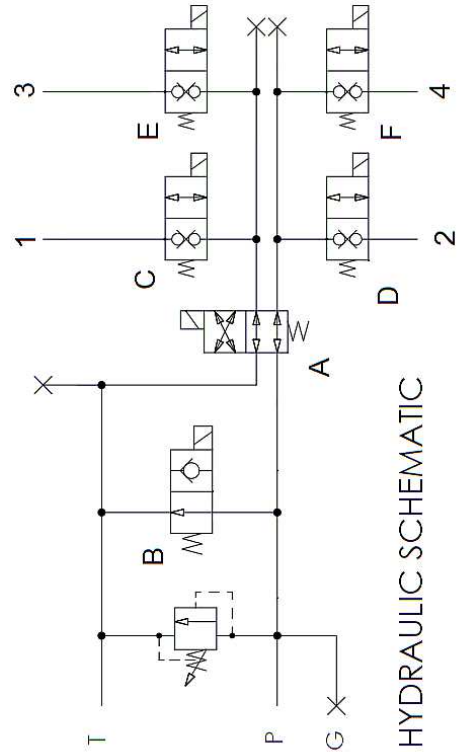
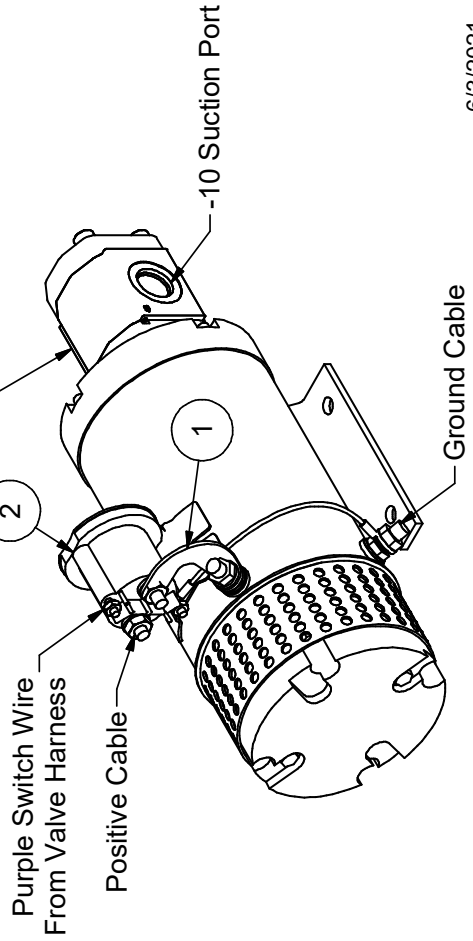


Heavy Duty E/H
Motor & Pump

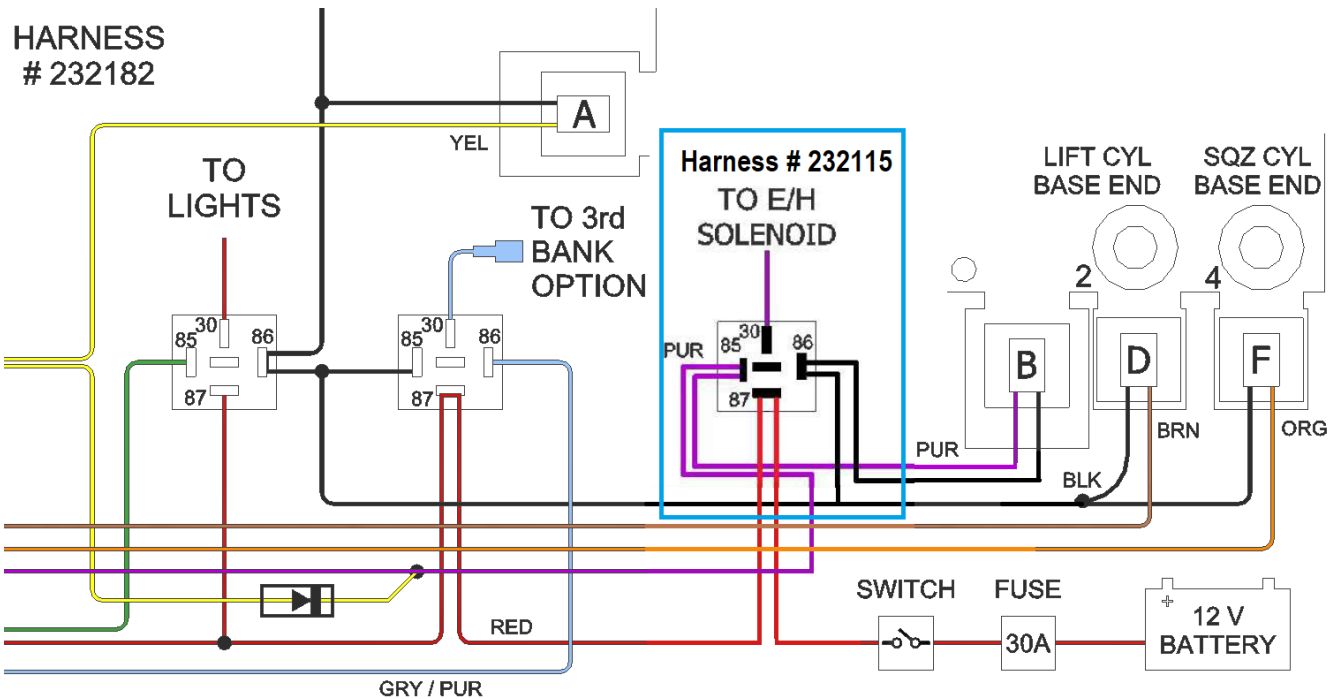
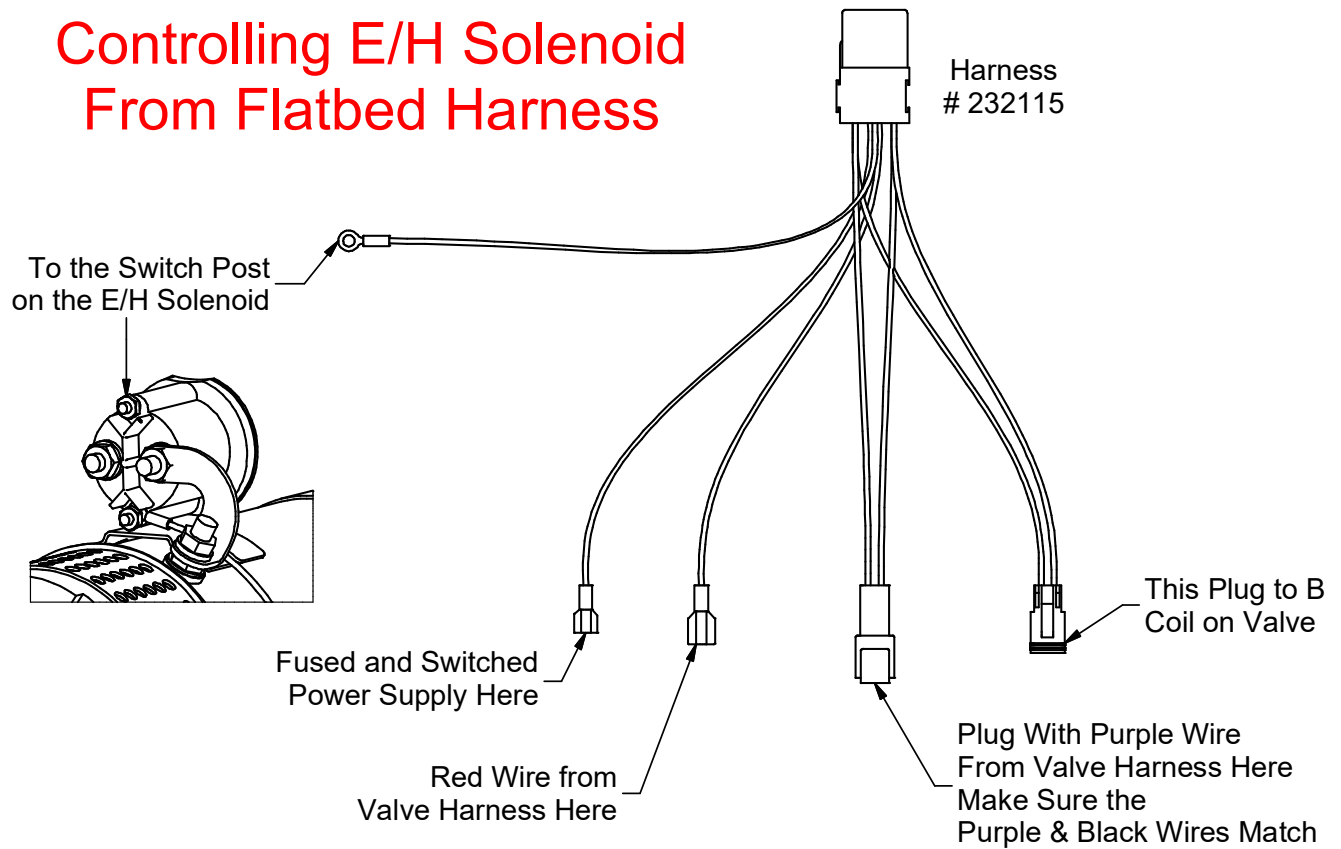
Flatbed Valve, Small, Hydac Deutsch P/N 223044		
ITEM	QTY	DESCRIPTION
1	3	O-Ring Plug, #4 7/16-20
2	1	Valve, Pressure Relief
3	4	Cartridge, #8 HYDAC Double Poppet
4	1	#10 SOLENOID, 2 POSITION 4 WAY
5	4	Coil, #8 Hydac, DT04-2P Suppressed
6	2	O-Ring Plug, #8 3/4-16
7	1	Spool, #10 Valve
8	2	Coil, #10 Hydraforce, DT04-2P Suppressed

ITEM	QTY	PART #	DESCRIPTION
1	1	232102	Strap, Motor-Solenoid Connecting
2	1	232103	Solenoid, 4 Post, 12VDC Contactor
3	1	222103	Pump, HD EH

-8 Pressure Port

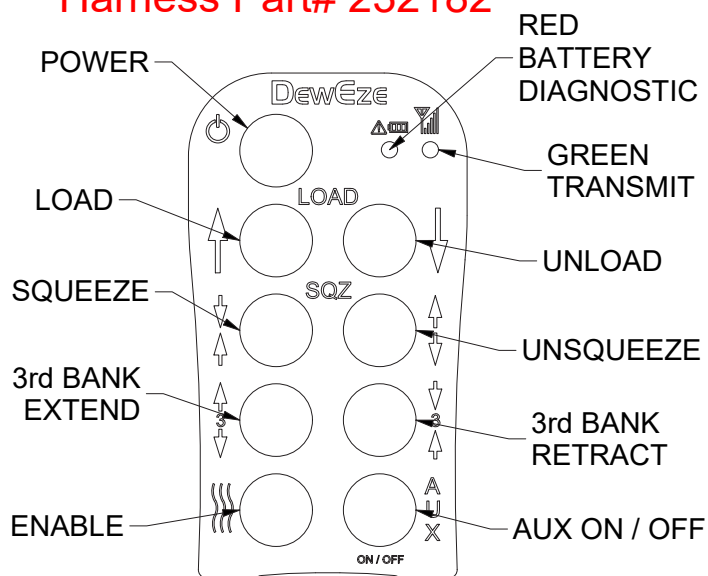


Controlling E/H Solenoid From Flatbed Harness



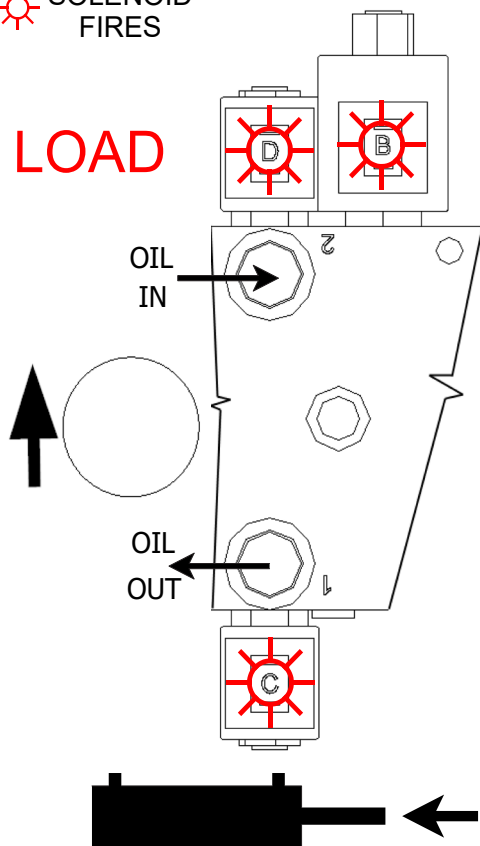
6/3/2021

Gen 3 Double Poppet, Deutsch

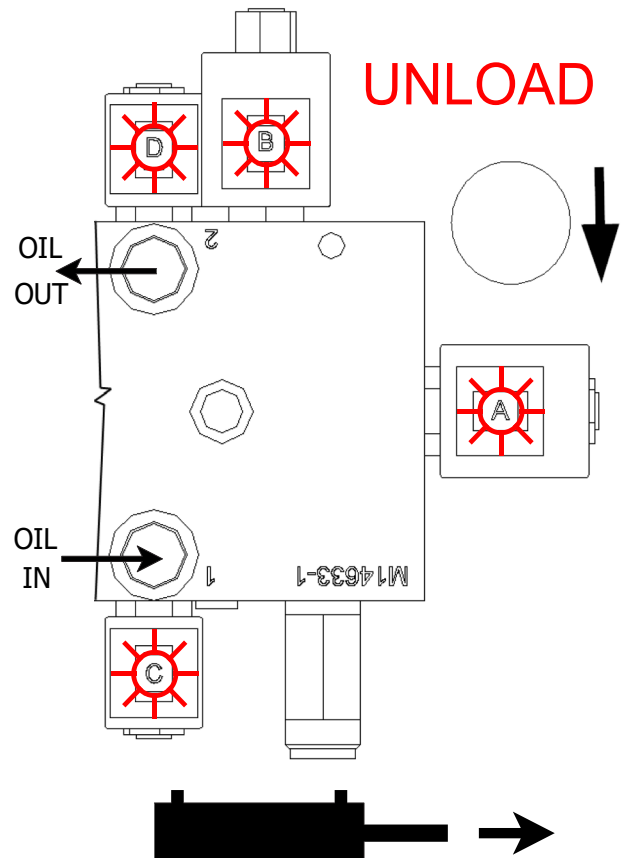


 SOLENOID FIRES

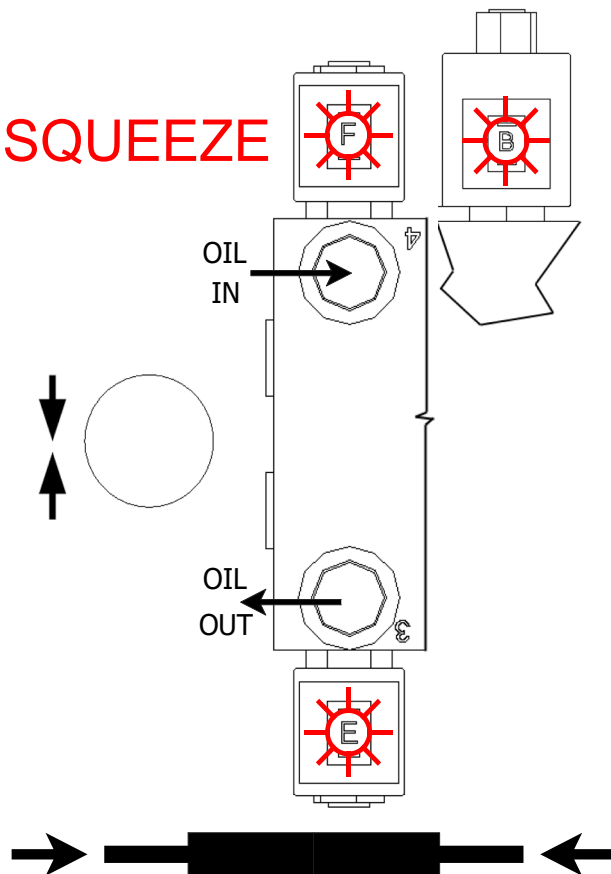
LOAD



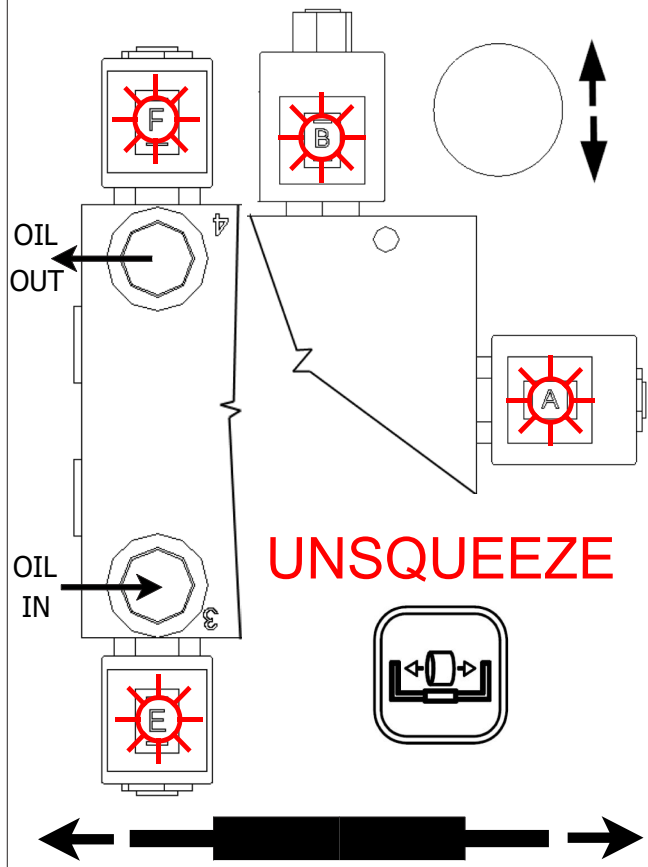
UNLOAD



SQUEEZE



UNSQUEEZE



NOTES

Harper Industries, Inc.
151 E. Highway 160
Harper, KS 67058

Telephone: 620-896-7381
Toll-Free: 800-835-1042
Fax: 620-896-7129

Website: www.harperindustries.com

E-mail: info@harperindustries.com