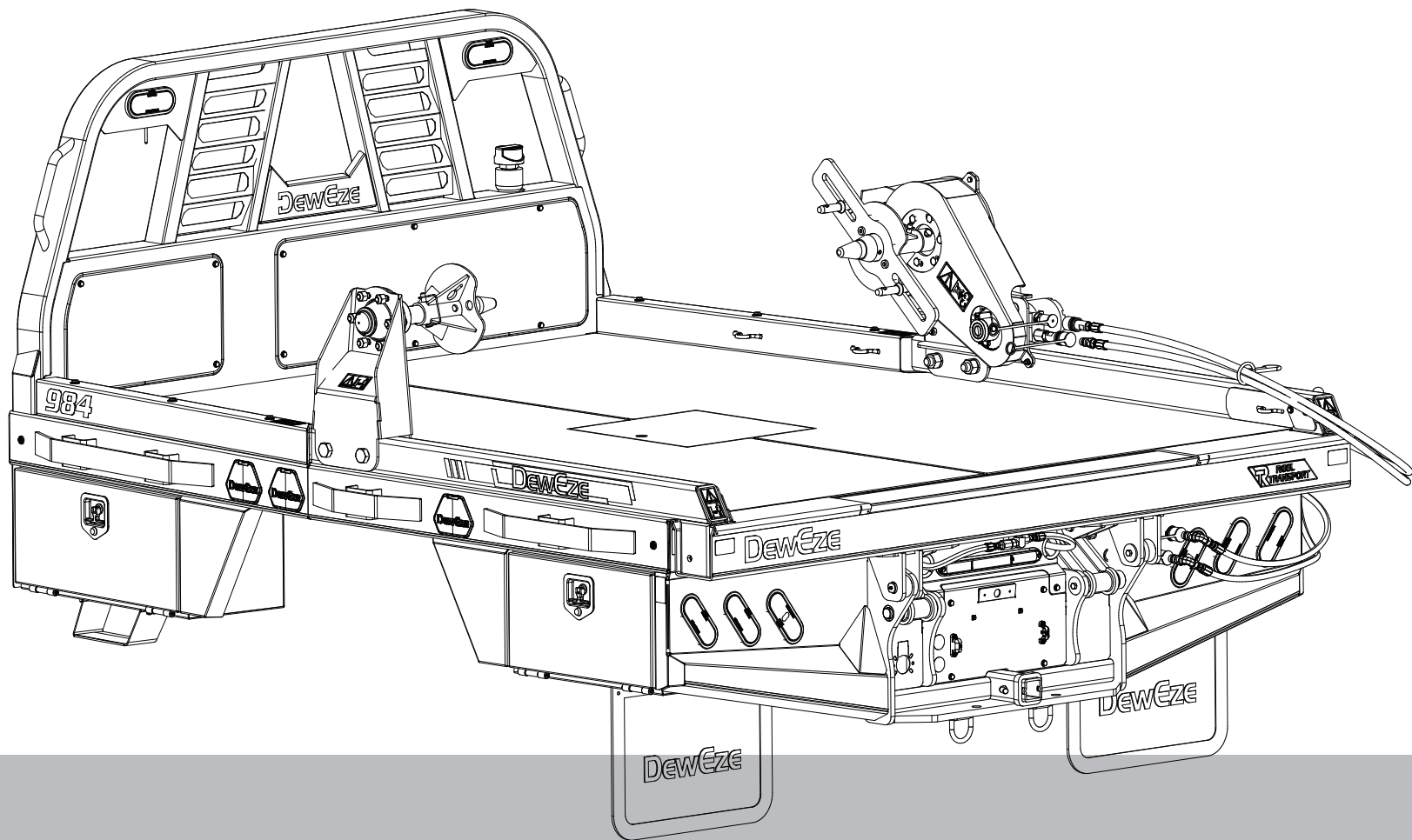


800/900 RT

Serial Number: 25A01
Manual PN: 201001



DewEze®

Thank you for purchasing a DewEze Flatbed.

TO THE OWNER OR OPERATOR:

As with all Harper products, the 800 and 900 Series RT 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.

///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 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

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

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

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

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

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

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

For further information please contact your nearest DewEze Flatbed dealer.

RECORDS

Date of Purchase _____ / _____ / _____

Dealer's Name _____

Dealer's Phone _____

Serial Number Bed _____

Serial Number Pump _____

Table of Contents

OPERATOR SECTION

To the Owner or Operator.....	1
Warranty Statement.....	2
Table of Contents.....	3
Specifications	
Bed Model Chart.....	4
Toolboxes, Skirts.....	4
Hydraulic System Specs.....	5
Feature Identification.....	6-7
Safety Guidelines	
General Equipment Safety.....	7
Flatbed Operation Safety.....	7
Safety Decal Identification.....	7
Hydraulic Safety.....	8
Initial Startup Procedure.....	8
Operating Instructions	
Remote Control Transmitter.....	8-9
Beginning Operation.....	9
Loading.....	9
Unloading.....	9
Pay-out.....	9
Strapping the Arms.....	9
Reel Diameters & Lift Capacity.....	10
Reel Width & Spindle Configurations.....	11
Reel Power Attachment	
Hydraulic Winder.....	12-13
Storing Arms.....	13
System Off.....	13
E/H System Specs & Limits.....	13
Maintenance	
Quick Checks.....	14
Lubrication.....	14
Troubleshooting	
Reference Table.....	15
Appendix I	
GatorHyde Repair.....	16
Appendix II	
Remote Transmitter/Receiver Synching.....	17-18
Appendix III	
E/H Installation.....	19-20

PARTS SECTION

RT Dummy Arms.....	24
Crosstubes & Arms	
800 or 900 RT Crosstube & Arms.....	26-27
Cylinders	
RT Squeeze Cylinder.....	28
RT Lift Cylinder & Linkage.....	29
Hose Routings & Parts	
RT Lift & Squeeze Routing.....	30
RT 3rd Bank wo/Winder.....	31
RT 3rd Bank w/Winder.....	32
Hydraulics	
RT Hydraulic Schematic.....	33
800/900 Hydraulic Valve & 3rd Bank.....	34
RT Non-proportional 2 Bank Valve Kit.....	35
RT 3rd Bank Valve Kit (Rear Routing).....	36
800/900 Reservoir & Filter.....	37-39
800/900 Valve Switches Kit.....	40
Electrical Components	
Electrical Harness Infographic.....	41
Electrical Harnesses.....	41-42
Controls Wireless.....	43
OEM to DewEze Harness Adapters.....	44-45
E/H HD and Hybrid	
Kits and Components.....	46
Hybrid Instructions.....	47
800/900 Common Parts and Options	
Lights.....	48-49
Headache Rack Covers & Components.....	50
Ball Well & Receiver Hitch.....	51
Rear Panel Assembly.....	52
RT Parts and Options	
RT Above Bed Toolboxes.....	52
RT Below Bed Toolboxes.....	53
RT Skirts.....	54-55
RT Decals.....	56
RT Arbors, Risers & Locks.....	57
RT Spinner & Riser Assembly.....	58
RT Spindle & Hub Assembly.....	59
RT Brake.....	60
RT Winder.....	61
RT Winder Drive Sprocket.....	62
RT Winder Drive Motor.....	63
RT Winder Valve Winder Valve.....	64
RT Pressure Gauge Option.....	65
RT Dump Box & Dump Box Spinner.....	66
Mudflaps & Toolbox Mounting Kits.....	67
Rear View Camera Mounting Kits.....	62
Bed Mounting Kits.....	69

Specifications

RT MODEL SPECS

BED MODEL	876	879	976	984	988
REAR WHEELS	Single	Single	Dual	Dual	Dual
DIMENSIONS	7'1" x 8'11"	7'1" x 9'10"	8' x 8'11"	8' x 9'10"	8' x 11'10"
CAB-TO-AXLE	56-58"	60"	56-58"	60"	84"
TRUCK BRAND	All	Ford/Ram	All	All	All
SETUP CODE	Box Removal	Cab/Chassis	Box Removal	Cab/Chassis	Cab/Chassis
WEIGHT	2120	2220	2195	2420	2670

*Length of all flatbeds includes 6" for crosstube

Grip Range	Minimum	Maximum	Max. Alt
Spinners	25"	52.4"	57.3"
Arbor	N/A	78.0"	N/A

BELOW BED TOOLBOX SELECTION CHART

BED MODELS	FRONT TOOLBOX	REAR TOOLBOX
876	30"	18"
879	30"	24"
976	30"	18"
984	30"	24"
988	2x 30" or 60"	24"

BELOW BED BOX P/N'S

TOOLBOX	PART #
18"	263004
24"	263002
30"	263001

ABOVE BED BOX P/N'S

TOOLBOX	PART #
24"	272001
40"	272002
60"	272005

Details on pg. 52

*Front toolbox dimensions are the same across all pivot & parallel beds.

SKIRT KIT P/N SELECTION CHART *Details on pg. 54*

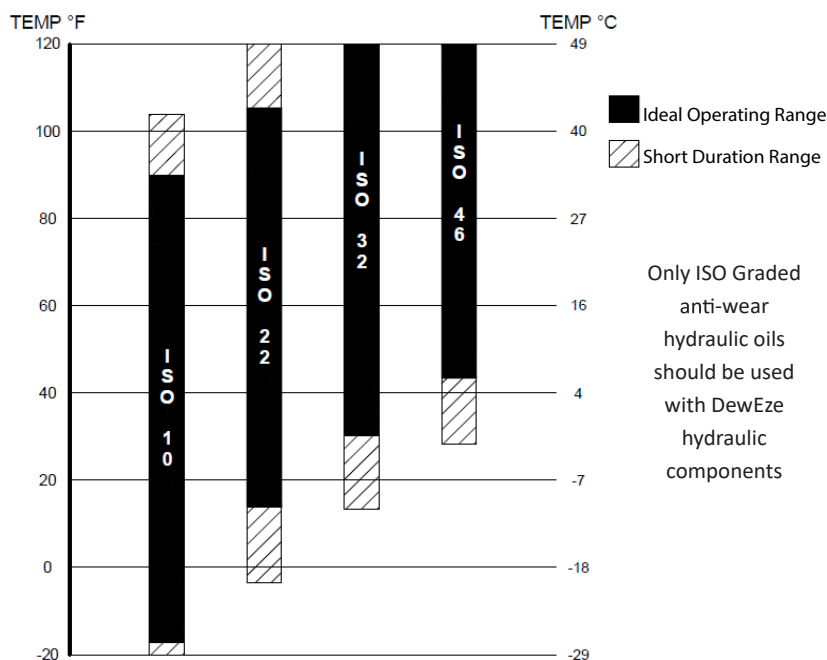
BED MODELS	FRONT (1 TBX)	FRONT (2 TBX)	REAR (w/TBX)	REAR (no/TBX)
876	264062	N/A	264062	264053
879	264062	N/A	264062	264054
976	264062	N/A	264062	264053
984	264062	N/A	264062	264054
988	264088	264049	264062	264054

Hydraulic System Specifications	
HYDRAULIC	Engine driven pump or self-contained battery powered E/H unit
SYSTEM PRESSURE	2700 PSI
OIL RESERVOIR CAPACITY	4.25 Gallons
OIL SYSTEM	2.75 - 3.75 gallons
OIL FILTER	Deweze 222119 IFP/Schroeder Industries 6GZ5 (5 micron)
CYLINDER, LIFT	RT - 3.50" x 16.62" XRT - 4.00" x 15.31"
CYLINDER, SQUEEZE	2.00" x 39.25"
LIFT CAPACITY	RT - 3,100 LBS XRT - 5,500 LBS

Protective Coating	
PAINT	Urethane primer and topcoat
GATORHYDE	Long-lasting, textured polurea surface

DewEze Hydraulics

Hydraulic Oil Recommendations For Clutch Pump Systems
Based on Ambient Temperature



Application Notes:

Reduce the oil viscosity by one grade in electric drive systems to prevent oil overheating.

For continuous operation in summer, consider using one grade higher oil viscosity.

Recommendations are only within normal operating conditions - any special application of the hydraulic system will require consideration of oil operating temperatures

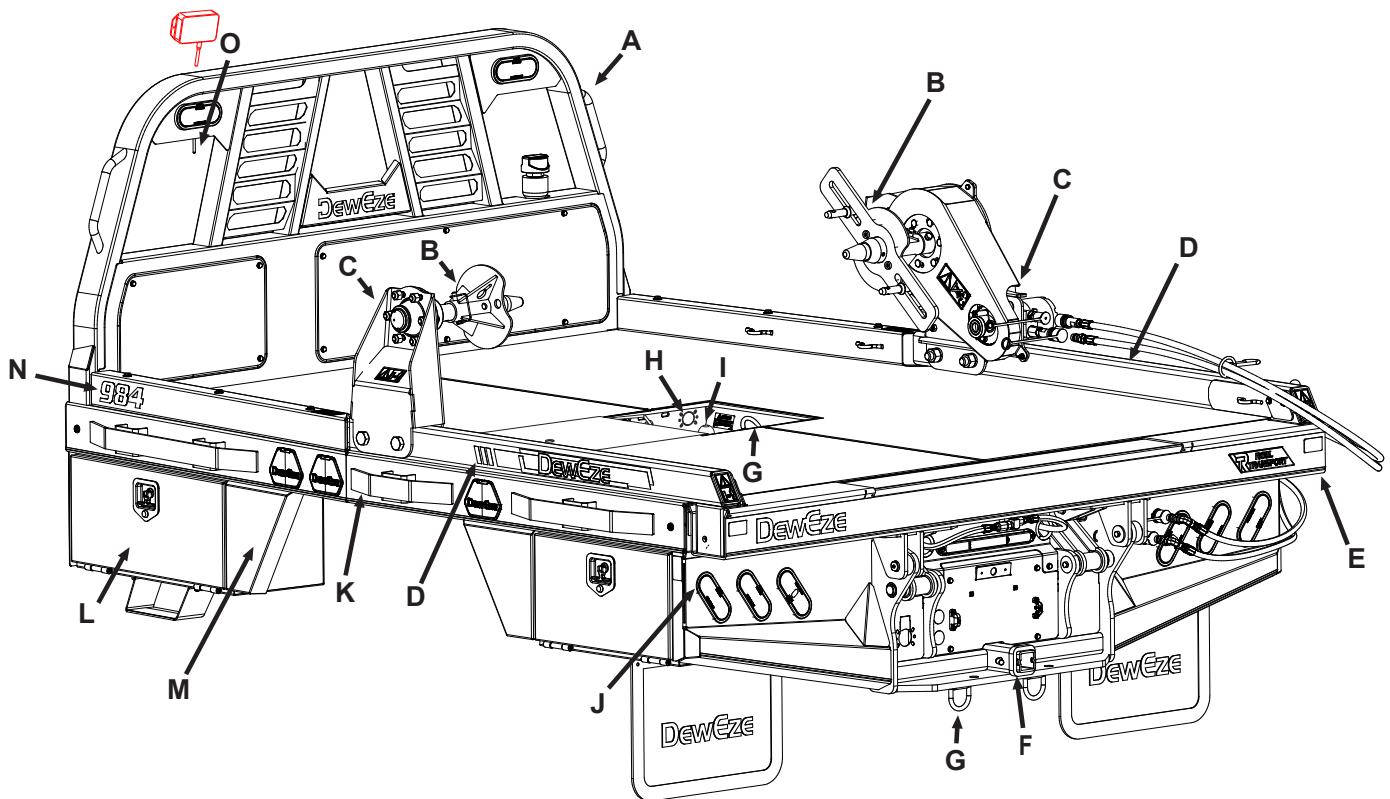
Hydraulic Oil

- Fluid selection will affect hydraulic system performance.
- Consult your local oil supplier for help selecting fluid appropriate for your area. Consideration must be given between clutch pump or E/H.
- Change hydraulic oil filter after the first 40 hours, then every 250 hours or annually.
- Change contaminated or milky oil.
- Mixing fluids may cause foaming or viscosity issues.

Hydraulic System

- Replace quick-coupler o-rings if leaking.
- Heat 190° or greater may damage hydraulics. Hot spots may indicate a problem.
- Run the bed at least twice a month to prevent valve condensation
- For easy hookup of the couplers, turn the pump off leaving the valve and ignition on. Actuate function switches (squeeze/3rd bank) to relieve pressure.

Feature Identification



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

B & C. Spinners & Risers (optional) - Used to grab reels and spin material off or onto the reel.

D. Squeeze 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.

E. Crosstube - Houses the squeeze cylinder and guides the hugger arms.

F. Hitch Plate - 2.5" with a 2" adapter. Has holes for hitch pins.

G. Safety Chain Loops - Always use safety chains when towing.

H. Trailer Plug Knockout - Available space to install trailer plug in the ball well.

I. Gooseneck Hitch - Located under a cover plate in the middle of the bed.

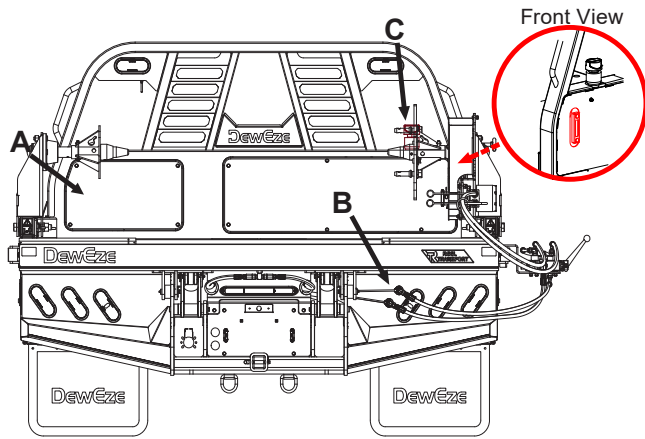
J. Lights - LED lighting for stop-tail-turn has long life and low current draw.

K. Rub Rails - Tie-down locations for straps.

L & M. Skirts & Toolboxes (optional) - Mount under front and/or rear of bed on both sides. The Electric/Hydraulic Power unit mounts inside the front passenger toolbox.

N. Dummy Arms - Serve as side rail along with hugger arms.

O. Wireless Receiver (optional) - Mounted near headache rack lights for better access and reception.



A. Valve Compartment – Houses the control valve.

B. Rear Ports – Connect optional winder controls through the rear port hydraulic fittings.

C. Hydraulic Oil Fill & Sight Glass – Check hydraulic oil level with sight glass. The end of the graduated marks is "full". New installs fill to "full", run all functions, then re-fill to "full."

Safety

Operator safety is of utmost concern when developing a new piece of equipment. Designers integrate as many safety features as possible. Most accidents can be avoided by taking an extra moment of preparation, handling the equipment carefully, and 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. Only responsible adults familiar with the machinery and trained for this unit should operate it.
- 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.
- Do not attempt to operate equipment under the influence of drugs or alcohol.

- 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

- Ensure all safety pins are in place and flatbed mounting bolts are secure to the truck frame.
- Ensure 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.
- Replace any CAUTION, WARNING, DANGER or instruction decal that is illegible or missing. Decals are available from your DeweZe dealer.



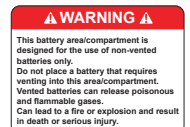
202146
Safe Distance



400014
XRT Shield Warning



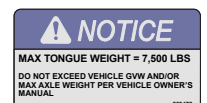
202144
Safe Distance



202180
E/H Battery Warning



202145
Safe Distance



200472
Tongue Weight Notice

CAUTION: In cold weather, let engine idle for 5-10 minutes with pump on before operating arms to warm oil. Neglecting to do so may cause hydraulic pump failure.

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 or above 2000 rpm will damage the pump.**

INITIAL STARTUP PROCEDURE

- Fill the reservoir monitoring the level via the sight glass (approx 4.25 gal).



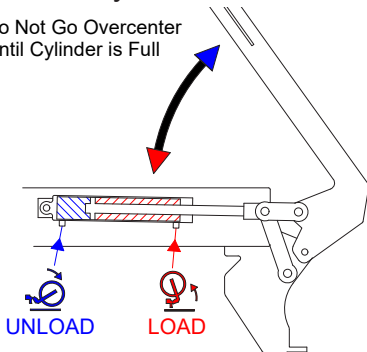
SAFETY WARNING!



Operating hydraulics with air in the lines can cause injury and damage to machinery. Follow these procedures when first filling with fluid or after maintenance that could have caused air to enter the lines.

- Push UNLOAD until the arm raises to 45° angle or less, then LOAD until the arms rest on the bed. Repeat 6 times to ensure cylinders are full and air has been purged over relief.
- Check oil level at sight glass and add oil as necessary.

** Do Not Go Overcenter Until Cylinder is Full



- With arms elevated to clear obstacles, UNSQUEEZE until both arms are fully opened then SQUEEZE until both are fully closed. Repeat 6 times to ensure cylinders are full and air has been purged over relief.
- Check oil level at sight glass and add oil as necessary.
- Cylinders out of sync will rephase when Unsqueezed to end of stroke.
- Check oil level at sight glass and add oil as necessary.
- Inspect system for leaks.



SAFETY WARNING!



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

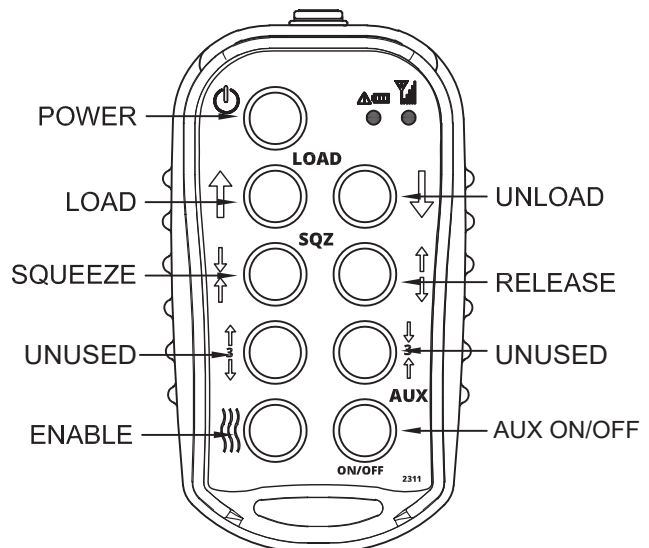
CAUTION: In cold weather, let engine idle for 5-10 minutes with pump on before operating arms to warm oil. Neglecting to do so may cause hydraulic pump failure.

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.

Operating Instructions



Remote Control Transmitter

- To sync the transmitter to the receiver, refer to "Appendix II" on page 17.
- Operates functions of the flatbed using USB rechargeable internal battery.

- Wireless transmitter LEDs:
Green = TRANSMIT
Red = BATTERY/DIAGNOSTICS
- The green light flashes rapidly when there is communication with the receiver.
- The red light blinks once per second if the battery is low.
- If the red light blinks a specific sequence of times, it is flashing an error code. Refer to the ERROR CODE CHART in *Appendix II*.
- The ENABLE button must be used before any operation, and times out after approximately 3 seconds. After which, it needs to be re-enabled etc.

Arbor & Riser Attachment

Beginning Operation

- Place 12" cradles on hugger arms where desired and secure with 4" bolts.
- 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.



SAFETY WARNING!



When hauling a reel, make sure it is resting on the flatbed and is tightly secured (Fig 1).

Carrying a reel behind the bed (Fig 2), 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.

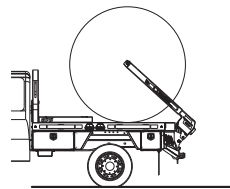


Fig. 1

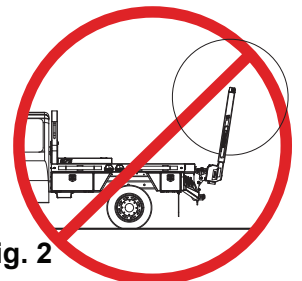
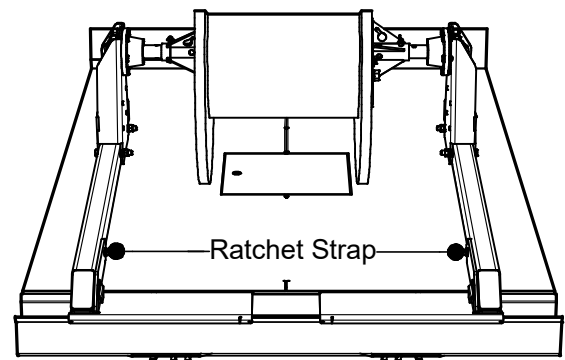


Fig. 2

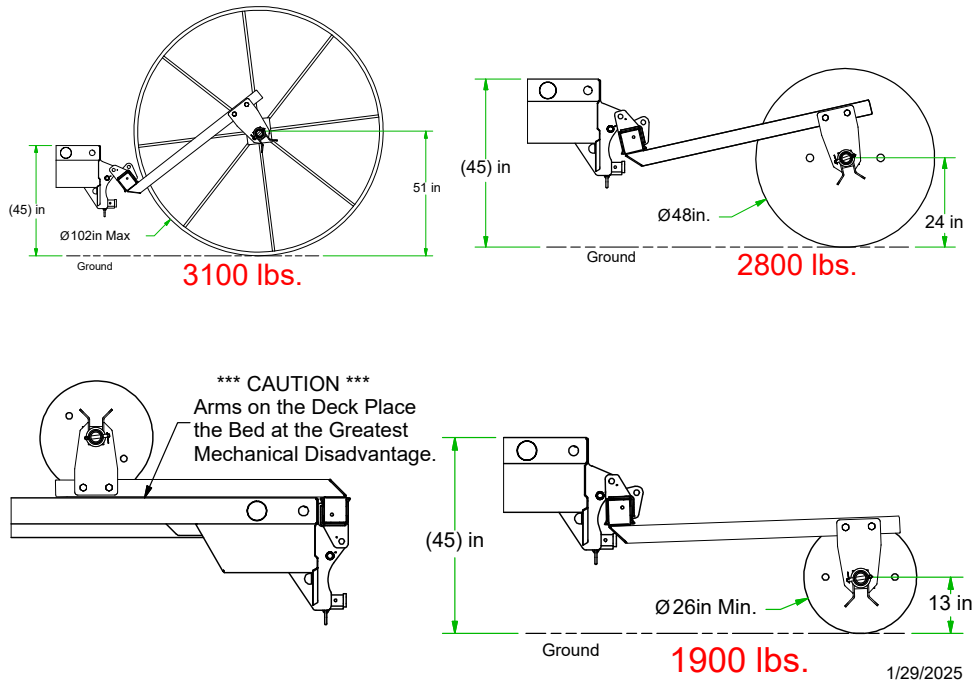
CAUTION: Do not exceed GVRW rating of truck when loading.



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.

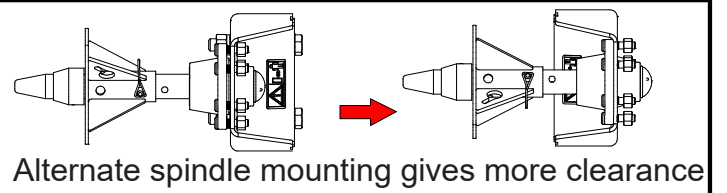
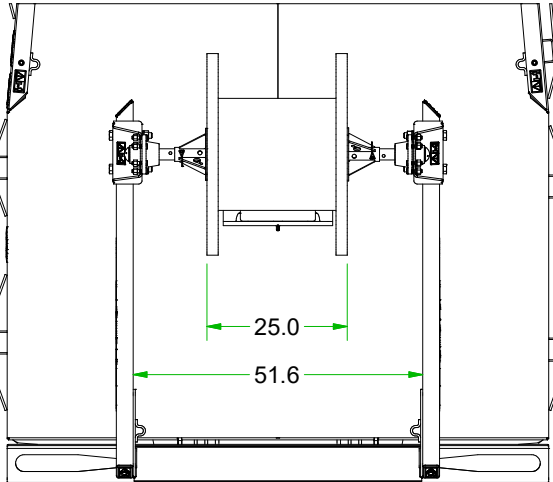
RT, Reel/Spool Diameters & Lifting Capacities

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

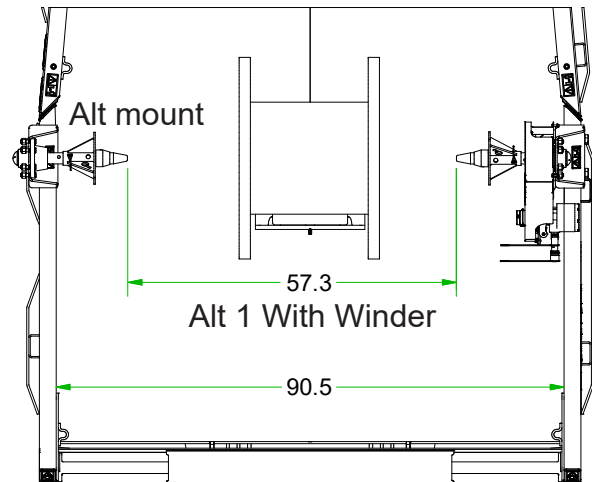


Arbor, Risers & Spinners

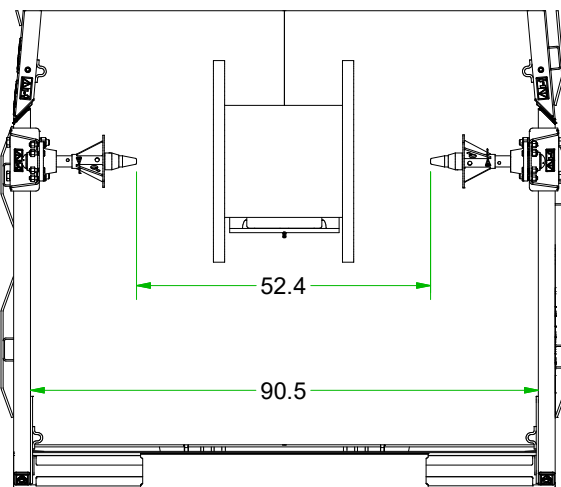
Minimum Reel Size



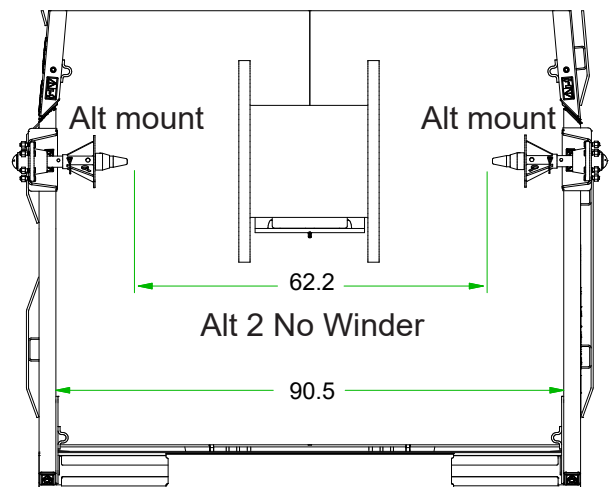
Alternate spindle mounting gives more clearance



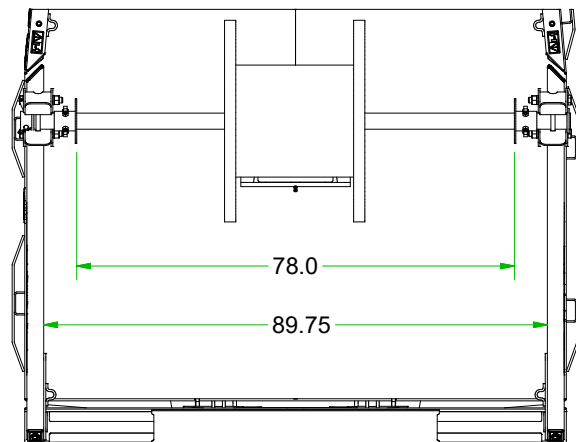
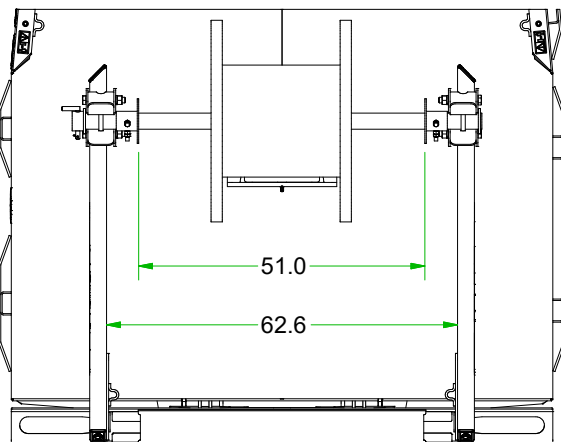
Max Reel Size: Normal Configuration



Max Reel Size: Alternate Configuration



Arbor & Cradle Riser Setup



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, underbody 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.

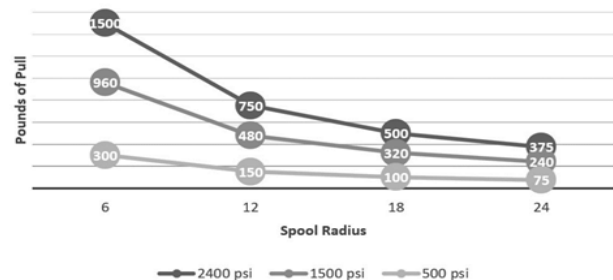
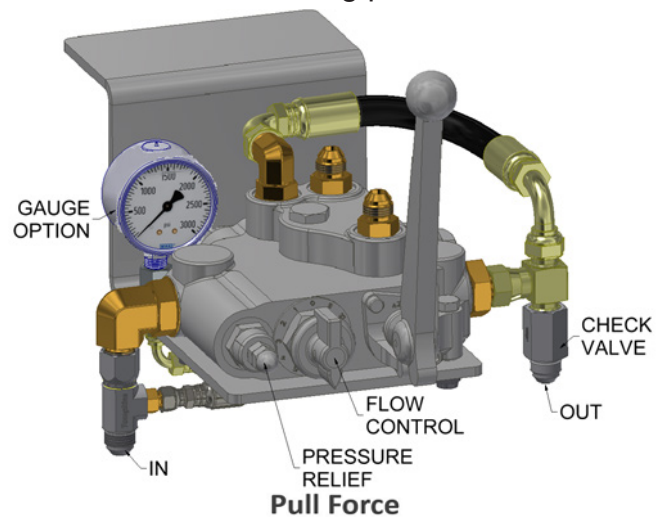
- To operate the winder, the third bank latching switch must be turned on, this is located on the front side of the headache rack on the driver's side or the AUX button on the remote. This provides oil flow to the winder valve.

Note: The load/unload and squeeze/unsqueeze 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.

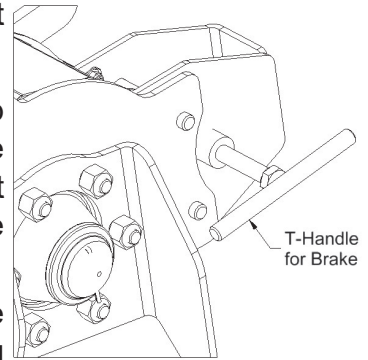
Note: always start out with the flow control in the lowest setting.

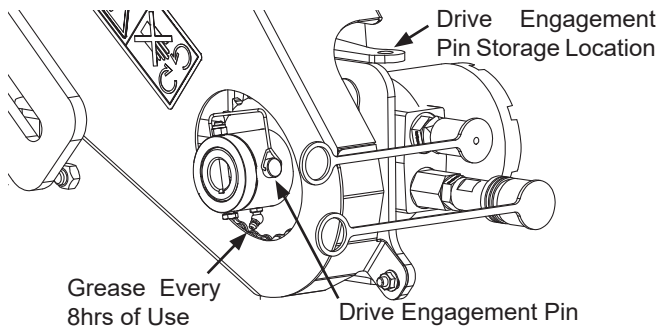
- An optional pressure gauge can be installed to monitor pressure applied to the material being pulled.



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.

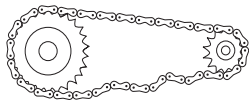




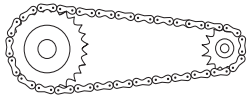
To disconnect the valve, relieve pressure after completion of the take up/pay out operation.

- 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.
- Hydraulic lines can be disconnected.

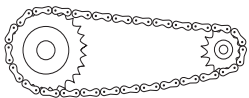
NOTE: Inspect drive chain for proper tension prior to operation.



Too much slack. Chain too loose.

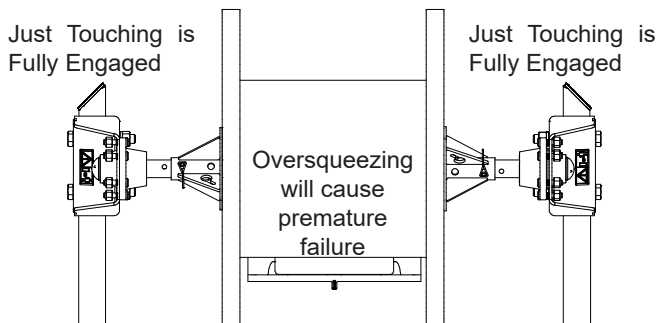


No slack. Chain too tight.



About 1/4" play. Chain correct.

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.**



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.
- It is best to relieve pressure as previously stated.

DewEze E/H Option (RT and XRT)

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 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

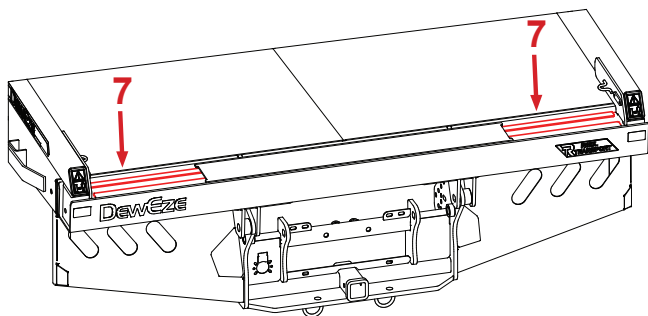
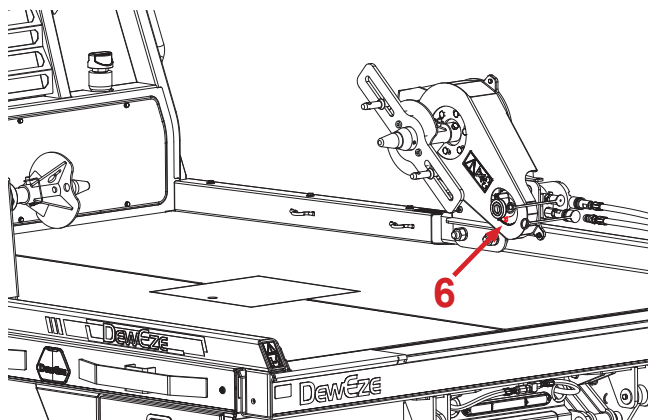
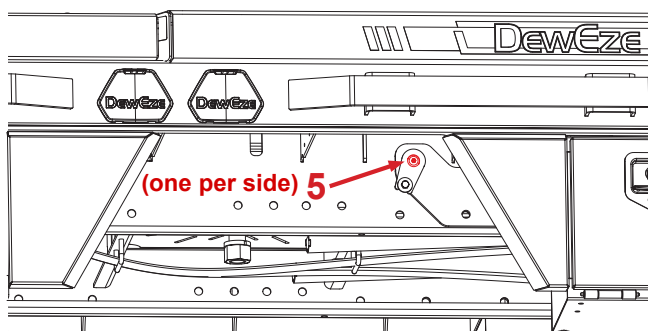
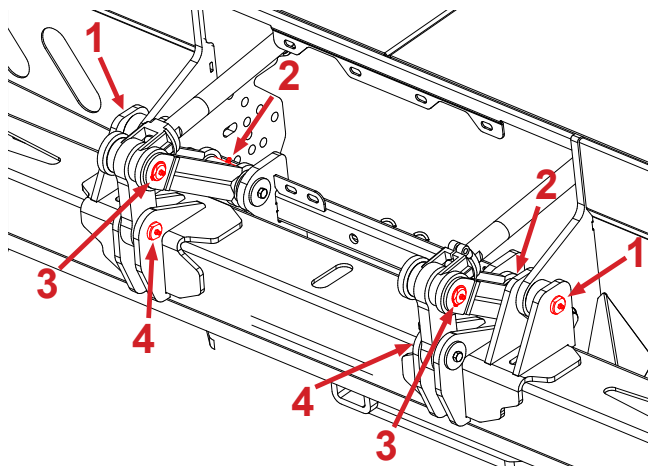
- Ensure the hydraulic oil level is “Full” via the sight glass.
- Check the belt, belt tensioner and idler pulleys on engine clutch pump system.
- Examine the hydraulic hoses for leaks with an object such as cardboard.

Lubrication

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

- 1-4: Idler link pins, idler arm bases, crosstube hinges, lift cylinder *rod* ends.
- 5: Lift cylinder *base* end
- 6: Winder drive sprocket assembly
- 7: Liberally apply grease to parallel arm metal-on-metal contact surfaces.

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



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 re-fill to FULL. • CHECK BELT TENSION. Replace tensioner or tighten idlers if needed. Replace belt if worn. • CHECK FOR SHEARED KEY ON PUMP SHAFT. Replace key. • CHECK IF SUCTION HOSE COLLAPSES IN SUCTION. Locate and remove obstruction. • CLUTCH NOT FUNCTIONING. See possible clutch solutions. • INTERNAL PUMP DAMAGE. Seek assistance from 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 worn. • VALVE NOT FUNCTIONING. Check for disconnected wires at solenoid or corroded ground wires. Check coils for magnetism. Clean cartridge ports. • PRESSURE RELIEF MAY BE TOO LOW OR BROKEN. Set to 2700 psi. • PUMP WORN OR DAMAGED. Seek assistance from dealer.
Clutch	Does Not Engage	• CHECK FOR BLOWN FUSE. Replace fuse. DO NOT exceed 30 amps. • CHECK WIRE TO CLUTCH. Insure no breaks or shorts • CHECK FOR BAD SWITCHES IN SYSTEM. Replace switches. • CLUTCH IS WORN OUT. Seek assistance from dealer.
Belt (s)	Jumps Off Pulley	• BELT(S) TOO LOOSE. Replace tensioner or tighten idler pulleys. • EXCESSIVE BELT WEAR. Replace worn belt(s). • CHECK FOR LOOSE PUMP BRACKET. Tighten bolts, replace worn ones. • CHECK CRANKSHAFT PULLEY FOR LOOSE OR BROKEN BOLTS. Tighten bolts, replace worn ones. • 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.
Arms: Squeeze	Out of Sync	• Open arms all the way out. • CYLINDERS PLUMBED WRONG OR LEAKING. Re-check plumbing and check for any hydraulic oil leaks that may be present. • BLEED AIR OVER RELIEF. Fully squeeze/unsqueeze 6 to 7 times. • CYLINDER OR SEALS ARE BAD. Replace cylinder or seal kit.
All Bed Functions	Not working	• 3RD BANK LEFT ON. • "B" CARTIDGE NOT FUNCTIONING. Ensure its coil is magnetizing. Remove cartidge and clean. It should rattle when shaken.

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:

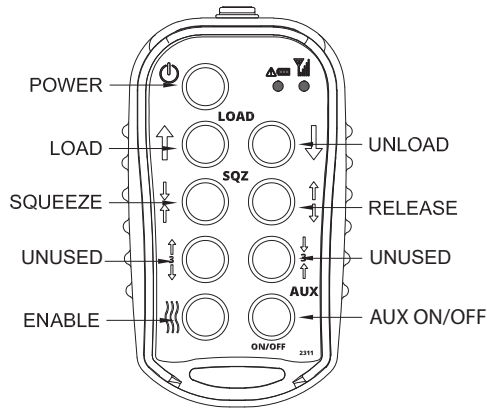
This repair is designed to easily fix small, damaged areas fast and with limited amount of effort. However this product is fast reacting so make sure to thoroughly read this instruction sheet before proceeding with repairs.

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

TRANSMITTER ERROR CODE CHART	
ERROR CODE	PROBABLE CAUSE
1	LOW BATTERY
2	FAULTY CIRCUIT TO OUTPUT A
3	FAULTY CIRCUIT TO OUTPUT B
4	FAULTY CIRCUIT TO OUTPUT C
5	FAULTY CIRCUIT TO OUTPUT D
6	FAULTY CIRCUIT TO OUTPUT E
7	FAULTY CIRCUIT TO OUTPUT F
8	FAULTY CIRCUIT TO OUTPUT G
9	FAULTY CIRCUIT TO OUTPUT H
10	FAULTY CIRCUIT TO LIGHT OUTPUT
ERROR CODE IS THE NUMBER OF RED BLINKS	

SYNCHRONIZING TRANSMITTER AND RECEIVER

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

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

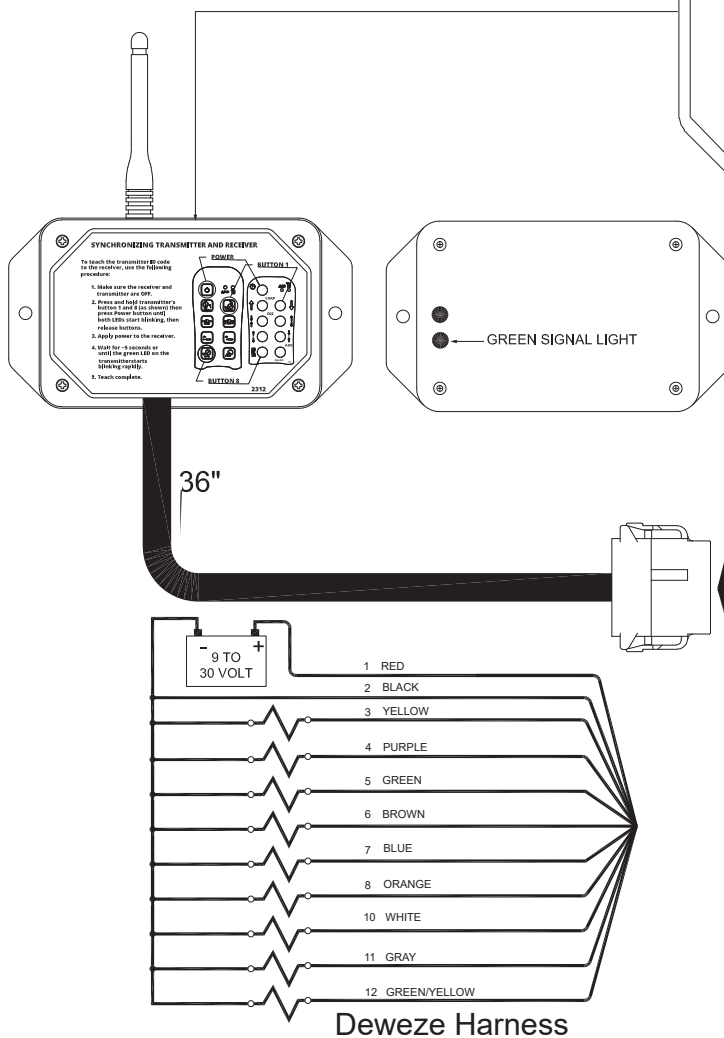
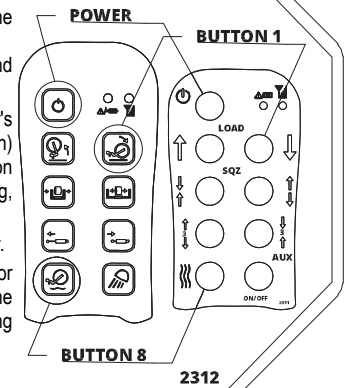
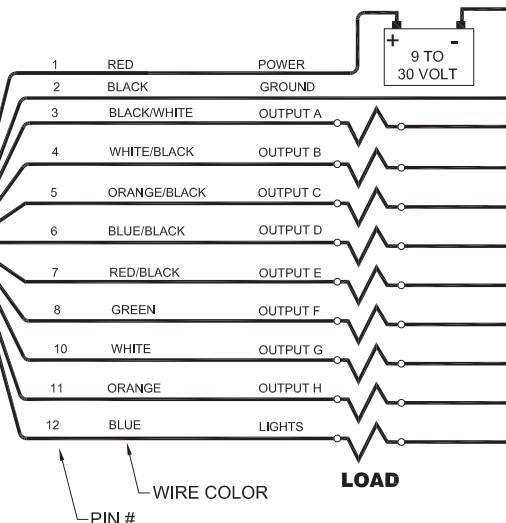
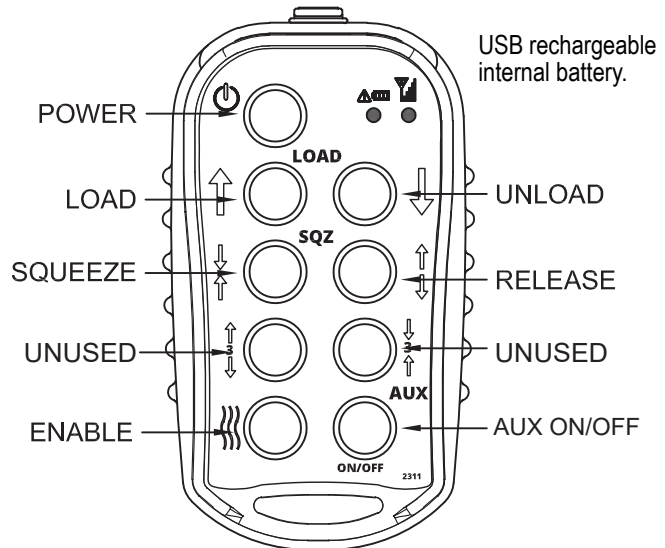


FIG. 1: RECEIVER WITH COVER REMOVED





SYSTEM OPERATION:

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

INDICATOR LIGHTS:

The transmitter has two LED indicators, the red BATTERY/DIAGNOSTIC indicator and the green TRANSMIT indicator. The green TRANSMIT indicator flashes rapidly whenever there is communication between the transmitter and the receiver. The red BATTERY/DIAGNOSTIC indicator blinks once per second when the battery voltage is low. It also blinks when there is a problem with the system in the form of an error code. Refer to the ERROR CODE CHART tables for more information.

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

SLEEP TIME:

The transmitter is factory set to turn off (sleep) after 15 minutes. Use the following procedure to change the time before sleep mode.

1. Press and hold SQUEEZE, RELEASE, ENABLE & POWER (~5 sec) Both lights should blink once per second. Release the buttons.
3. Adjust SLEEP with the following buttons:
 - a. UNLOAD = 15 min
 - b. LOAD = 30 min
 - c. RELEASE = 1 hr
 - d. SQUEEZE = 2 hr
 - e. ENABLE = sleep disabled.

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

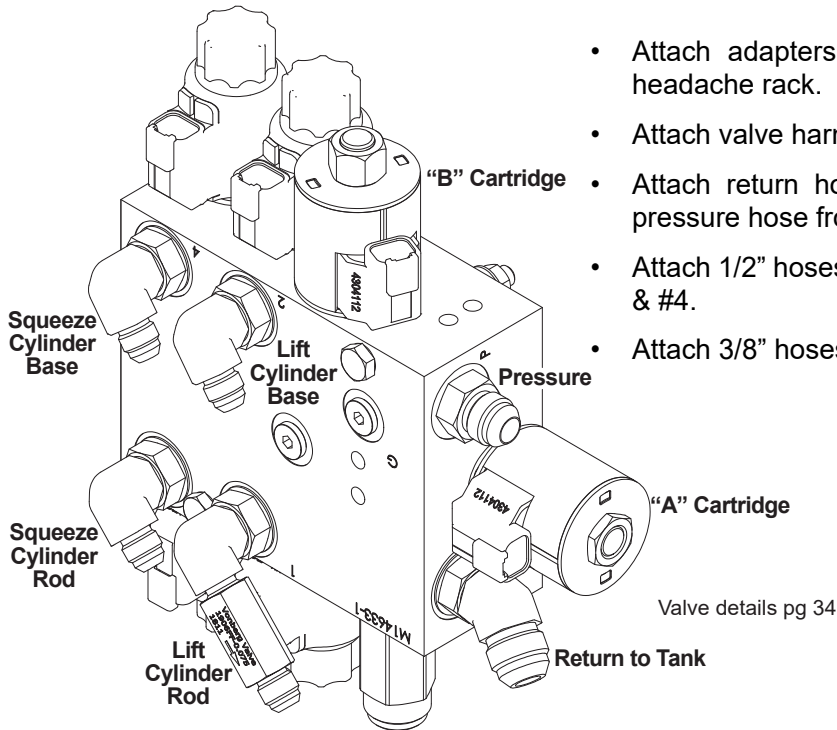
Environmental:

Transmitter: 0°F to 131°F Receiver: -40°F to 185°F

Appendix III

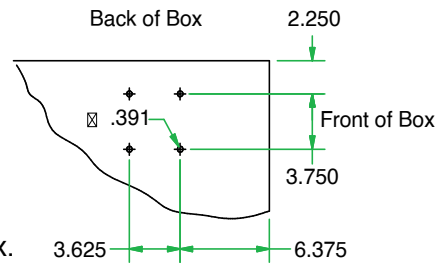
Heavy Duty E/H Power Kit

* Read all instructions first. See page 46

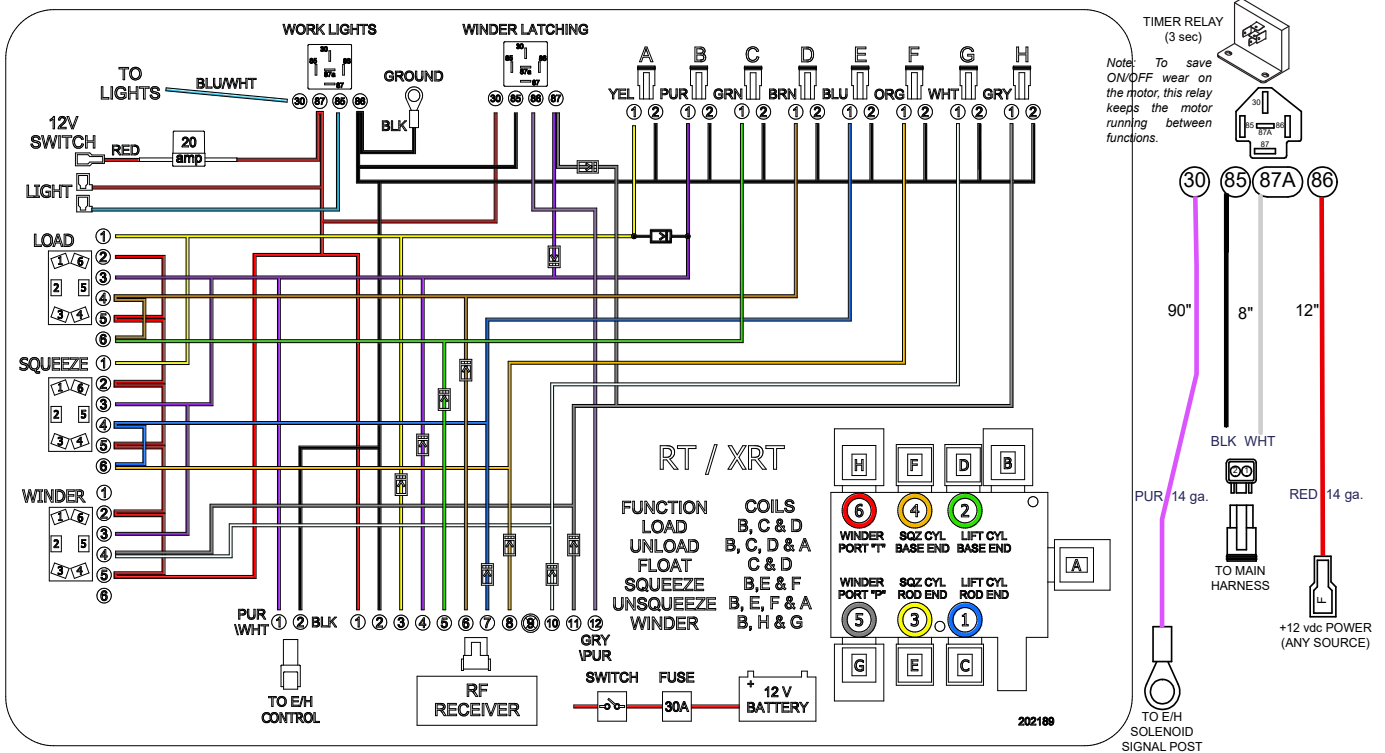


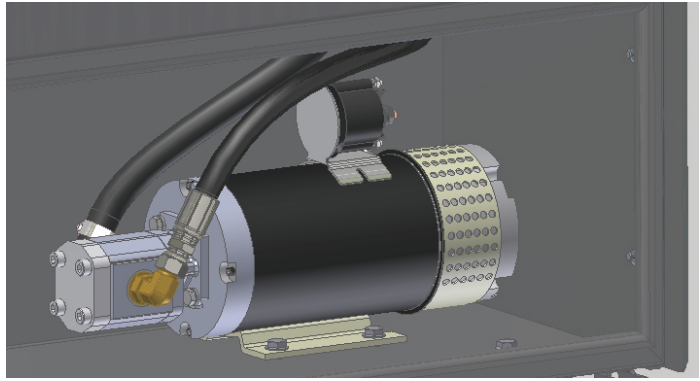
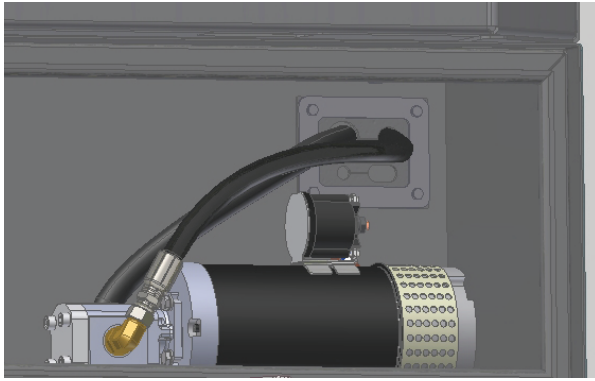
- Attach adapters to valve and install inside cavity on headache rack.
- Attach valve harness per diagram on decal
- Attach return hose to valve and filter housing. Attach pressure hose from pump.
- Attach 1/2" hoses from squeeze cylinder to valve ports #3 & #4.
- Attach 3/8" hoses from lift cylinder to valve ports #1 & #2.

- Use cover plate to locate cutout in right side of toolbox.
- Use access cover or edge molding to protect hoses.
- Drill holes for 3/8" bolts as indicated and bolt pump to inside of toolbox.



E/H CONTROL





- Attach power harness as indicated.
- 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.
- Attach suction hose and pressure hose to pump with adapters provided.
- Attach suction hose to bottom of reservoir.
- Run battery cables through hole in toolbox and attach to E/H motor as indicated.
- Run battery cables along frame rail and attach black cable to negative terminal on battery.
- Attach 200-amp fuse holder to positive battery terminal.
- Insert 200-amp fuse.
- 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. Pg. 47

DewEze®

800/900 RT

PARTS

Table of Contents

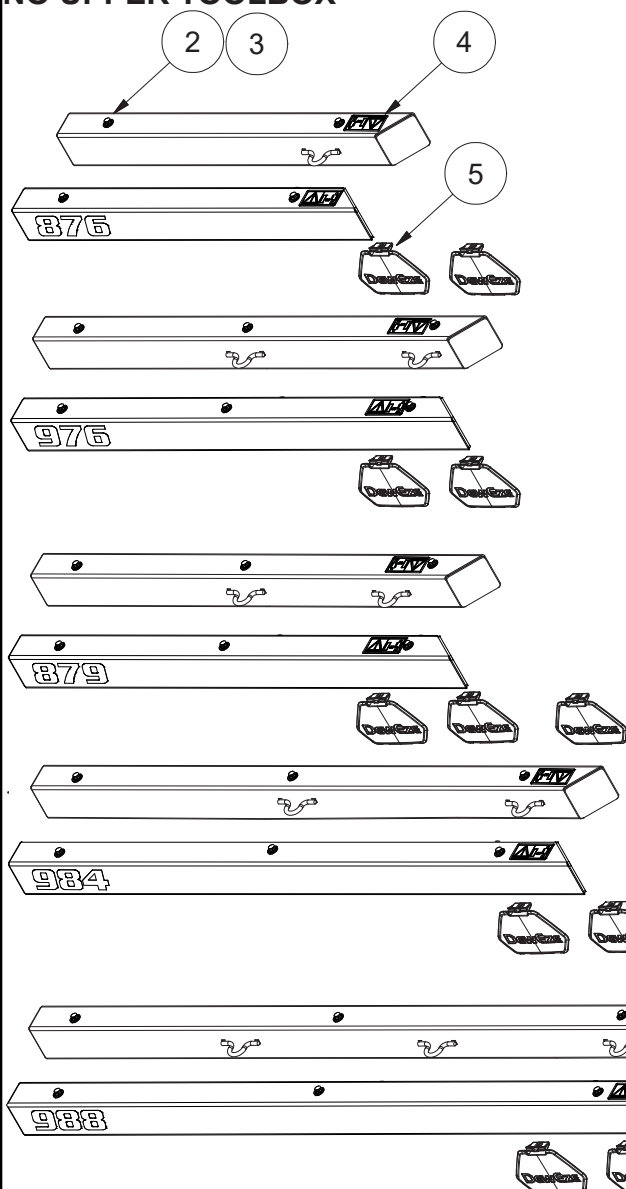
PARTS SECTION

RT Dummy Arms.....	24
Crosstubes & Arms	
800 or 900 RT Crosstube & Arms.....	26-27
Cylinders	
RT Squeeze Cylinder.....	28
RT Lift Cylinder & Linkage.....	29
Hose Routings & Parts	
RT Lift & Squeeze Routing.....	30
RT 3rd Bank wo/Winder.....	31
RT 3rd Bank w/Winder.....	32
Hydraulics	
RT Hydraulic Schematic.....	33
800/900 Hydraulic Valve & 3rd Bank.....	34
RT Non-proportional 2 Bank Valve Kit.....	35
RT 3rd Bank Valve Kit (Rear Routing).....	36
800/900 Reservoir & Filter.....	37-39
800/900 Valve Switches Kit.....	40
Electrical Components	
Electrical Harness Infographic.....	41
Electrical Harnesses.....	41-42
Controls Wireless.....	43
OEM to DewEze Harness Adapters.....	44-45
E/H HD and Hybrid	
Kits and Components.....	46
Hybrid Instructions.....	47
800/900 Common Parts and Options	
Lights.....	48-49
Headache Rack Covers & Components.....	50
Ball Well & Receiver Hitch.....	51
Rear Panel Assembly.....	52
RT Parts and Options	
RT Above Bed Toolboxes.....	52
RT Below Bed Toolboxes.....	53
RT Skirts.....	54-55
RT Decals.....	56
RT Arbors, Risers & Locks.....	57
RT Spinner & Riser Assembly.....	58
RT Spindle & Hub Assembly.....	59
RT Brake.....	60
RT Winder.....	61
RT Winder Drive Sprocket.....	62
RT Winder Drive Motor.....	63
RT Winder Valve Winder Valve.....	64
RT Pressure Gauge Option.....	65
RT Dump Box & Dump Box Spinner.....	66
Mudflaps & Toolbox Mounting Kits.....	67
Rear View Camera Mounting Kits.....	62
Bed Mounting Kits.....	69

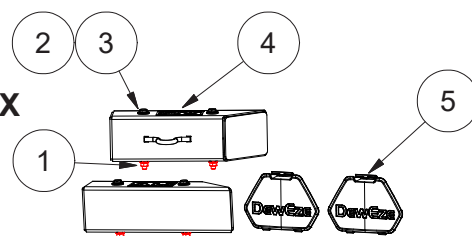
RT DUMMY ARMS

NO UPPER TOOLBOX

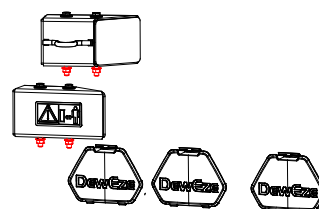
WITH UPPER TOOLBOX



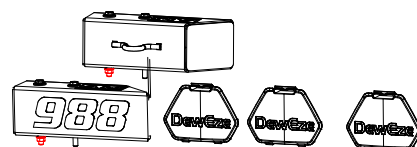
W/24" TBX



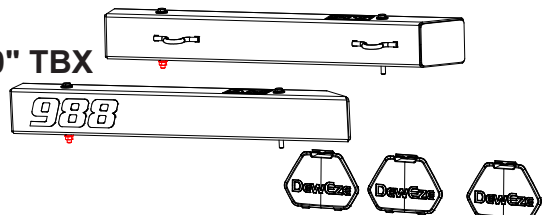
W/40" TBX



W/60" TBX



W/40" TBX



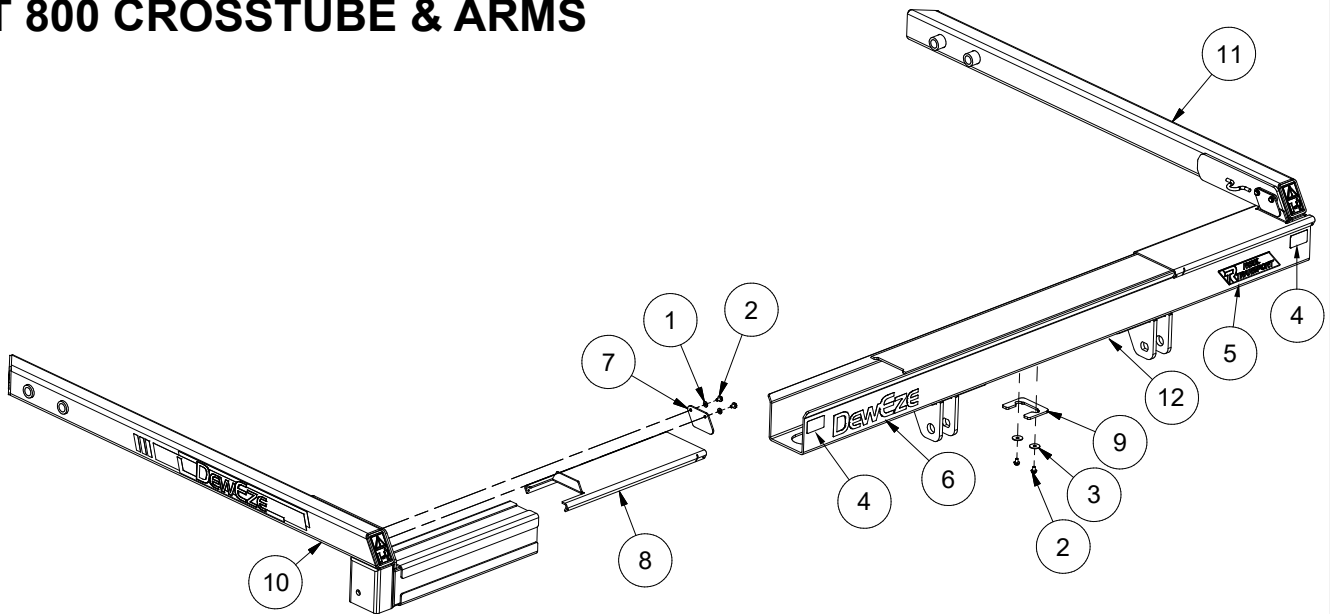
ITEM	PART #	DESCRIPTION
1	110645	Nut, 3/8-16 Wiz Flange
2	110676	Washer, 3/8" Flat Standard
3	111268	Bolt, 3/8-16 X 5 Wiz Flange, Gr. 5 Zinc
4	202144	Decal, Safe Distance, Horizontal
5	202168	Cover, Fuel & Def

MODEL DECALS

ITEM	PART #	DESCRIPTION
876	202170	Decal
879	202182	Decal
976	202171	Decal
984	202172	Decal
988	202183	Decal

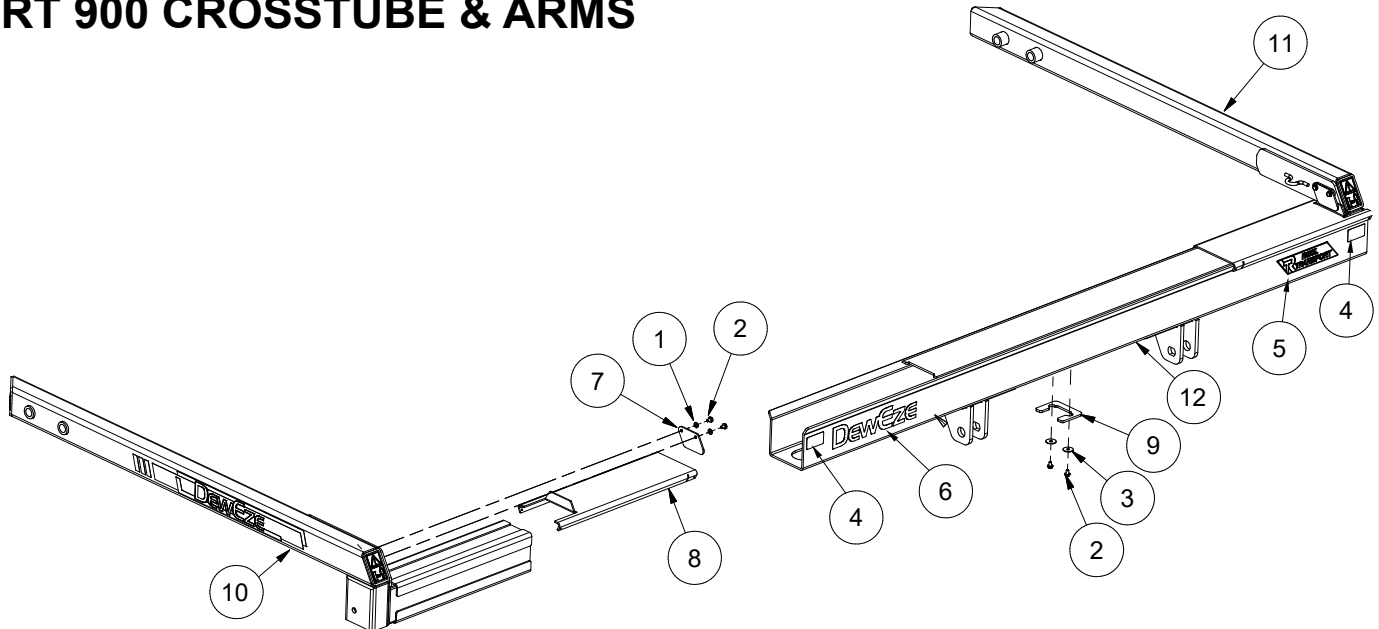
BED MODELS	STANDARD No Upper TBX		SHORT RT ARM 60" Upper TBX		SHORT RT ARM 24" OR 40" Upper TBX	
	Driver	Pass.	Driver	Pass.	Driver	Pass.
876 RT	266051	266052	NA		24"	266077
976 RT	266055	266056	NA			266076
879 RT	266053	266054	NA		40"	266075
984 RT	266057	266058	NA			266074
988 RT	266059	266060	266081	266080		266079

RT 800 CROSSTUBE & ARMS



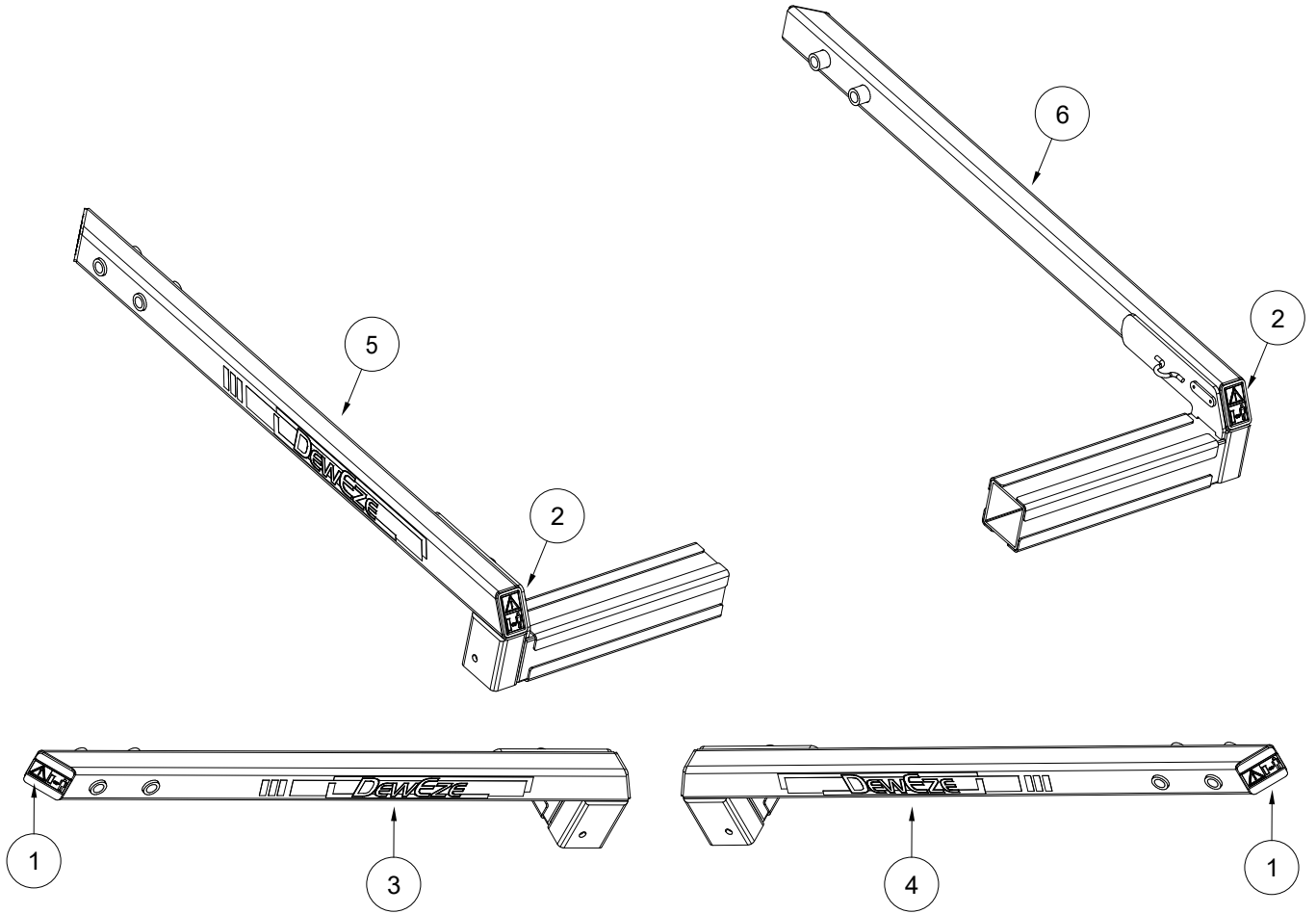
ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	4	110069	Washer, 5/16" Flat Sae	7	2	261213	Plate
2	6	110426	Bolt, 5/16-18 X 0.5, Wiz Flange	8	2	261214	Shield, Crosstube
3	2	111155	Washer, 5/16 Flat, Large Dia. 1-1/4 Zinc	9	1	261384	Plate
4	2	200190	Decal, Red Reflector, Rectangle	10	1	266047	Kit, RT Arm, Left
5	1	202117	Decal, Rt (Reel Transport)	11	1	266048	Kit, RT Arm, Right
6	1	202175	Decal, Deweze	12	1	266049	Kit, Crosstube, RT 8--

RT 900 CROSSTUBE & ARMS



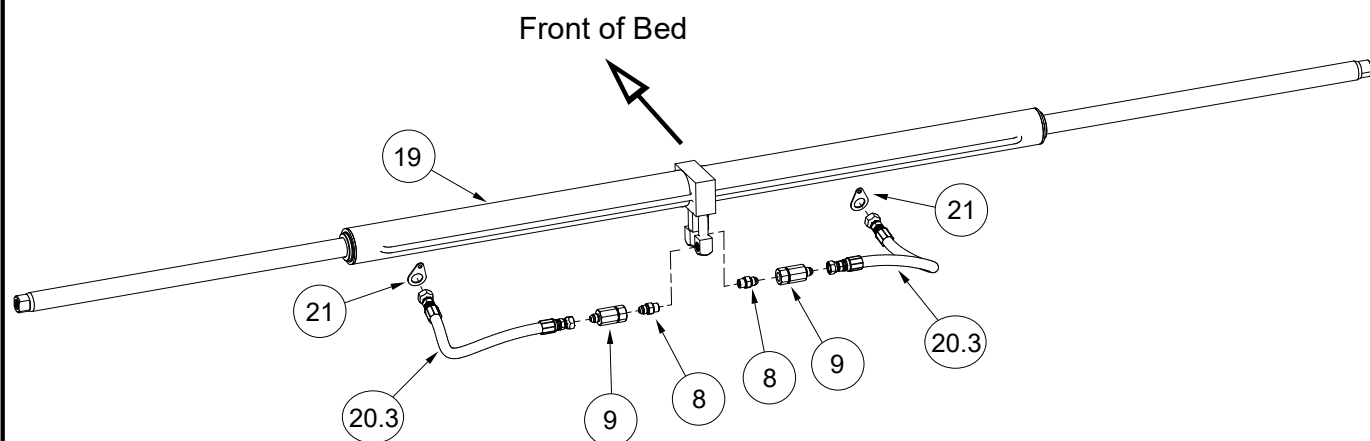
ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	4	110069	Washer, 5/16" Flat Sae	7	2	261213	Plate
2	6	110426	Bolt, 5/16-18 X 0.5, Wiz Flange	8	2	261214	Shield, Crosstube
3	2	111155	Washer, 5/16 Flat, Large Dia. 1-1/4 Zinc	9	1	261384	Plate
4	2	200190	Decal, Red Reflector, Rectangle	10	1	266047	Kit, RT Arm, Left
5	1	202117	Decal, Rt (Reel Transport)	11	1	266048	Kit, RT Arm, Right
6	1	202175	Decal, Deweze	12	1	266050	Kit, Crosstube, RT 9--

RT 800/900 ARMS & DECALS



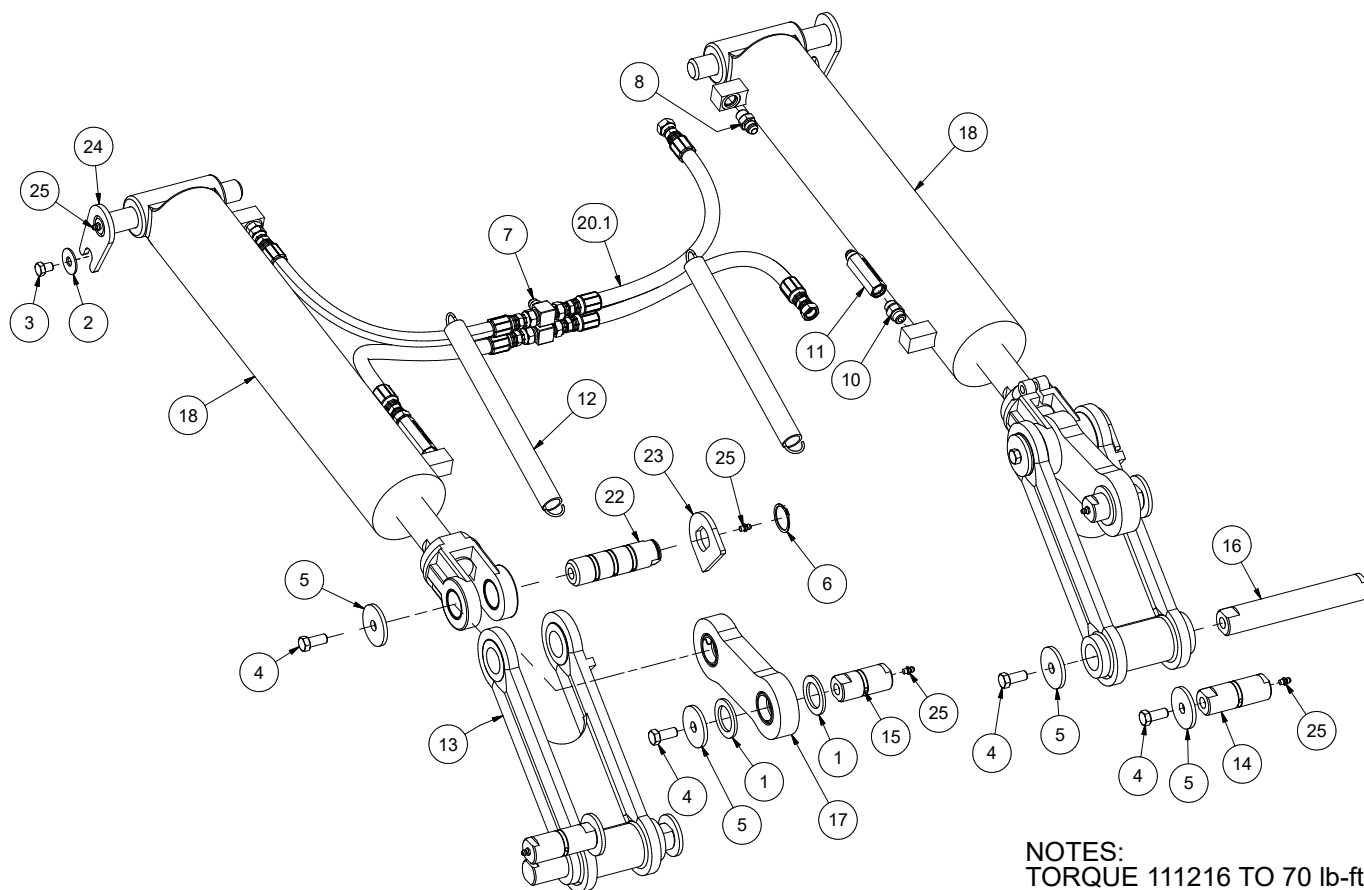
ITEM	QTY	PART #	DESCRIPTION
1	1	202144	Decal, Safe Distance, Horizontal
2	1	202145	Decal, Safe Distance, Vertical
3	1	202184	Decal, Arm, Left
4	1	202185	Decal, Arm, Right
5	1	266047	Rt Arm Left
6	1	266048	Rt Arm Right

RT 800/900 SQUEEZE CYLINDER SSQ



ITEM	QTY	PART #	DESCRIPTION
8	2	120319	Adapter, 6mj-6mb
9	2	120768	Adapter, 6fj-6mj Live Swivel
19	1	223110	Cylinder, Synchronized 2x39.25, Side Port
20	1	223123	Hydraulic Hose Kit, RT
20.3	2	220855	Hose, .375 x 21.5, 6-6fjx/6-8fjx
21	2	260111	Mount, Hose Spring
	KIT	220056	Seal Kit, Squeeze Cylinder (Std/Sync)

RT 800/900 LIFT CYLINDERS & LINKAGE

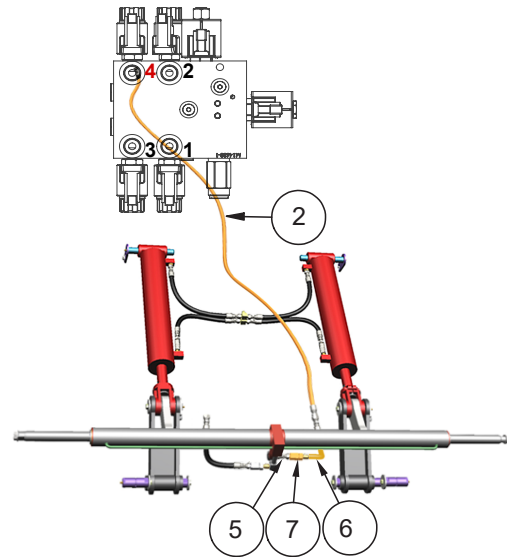
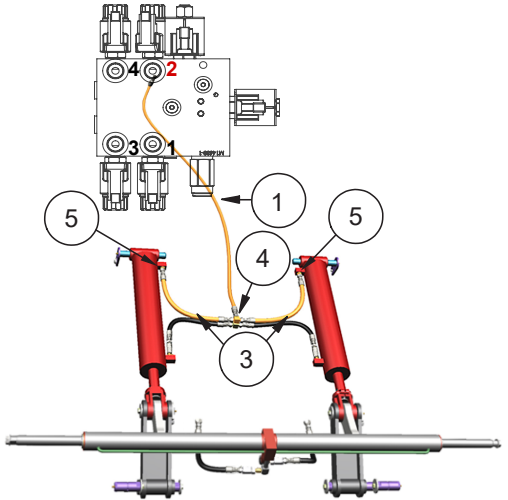
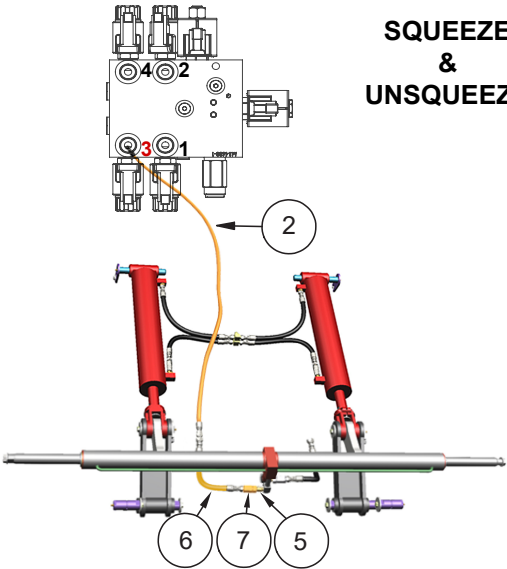
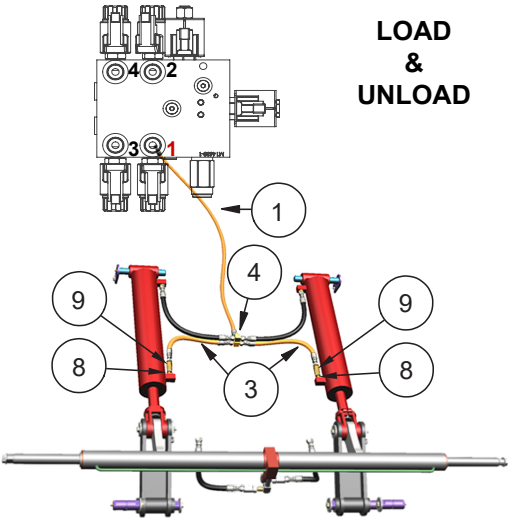


NOTES:
TORQUE 111216 TO 70 lb-ft

ITEM	QTY	PART #	DESCRIPTION
1	4	110336	Washer, 1-1/4" Flat Machine
2	2	110656	Washer, 3/8" Flat Special
3	2	111215	Bolt, 3,8-16 X .50
4	8	111216	Bolt, 7/16-14 X 1, Gr8
5	8	111217	Washer, 7/16" X 2.0 X 0.187
6	2	111218	Snap Ring, 1.25"
7	2	120214	Adapter, 6mj-6mj-6mj
8	2	120319	Adapter, 6mj-6mb
9	2	120768	Adapter, 6fj-6mj Live Swivel
10	2	122038	Adapter, 6mb-6mb
11	2	122040	Adapter, Velocity 10gpm, 6mj-6fb
12	2	202022	Spring, 1" O.d. X 12" L X .105 Wire
13	2	210935	Idler Arm, Machine Dwg.
14	2	212066	Pin, Crosstube Pivot
15	2	212067	Pin, Linkage
16	2	212068	Pin, Linkage
17	2	214002	Push Arm Assy, Dual Lift
18	2	222129	Cylinder, Lift
19	1	223110	Cylinder, Synchronized 2x39.25, Side Port
20	1	223123	Hydraulic Hose Kit, Rt
20.1	4	220824	Hose, .375 X 17.0, 6fjx/6fjx
21	2	260111	Mount, Hose Spring
22	2	261139	Pin
23	2	261140	Plate, Flag
24	2	265043	Weldment, Pin
25	8	510174	Grease Zerk, 1/4-28 St

PART #	DESCRIPTION
220835	Seal Kit, Lift Cylinder 222129

RT LIFT & SQUEEZE HOSE ROUTING

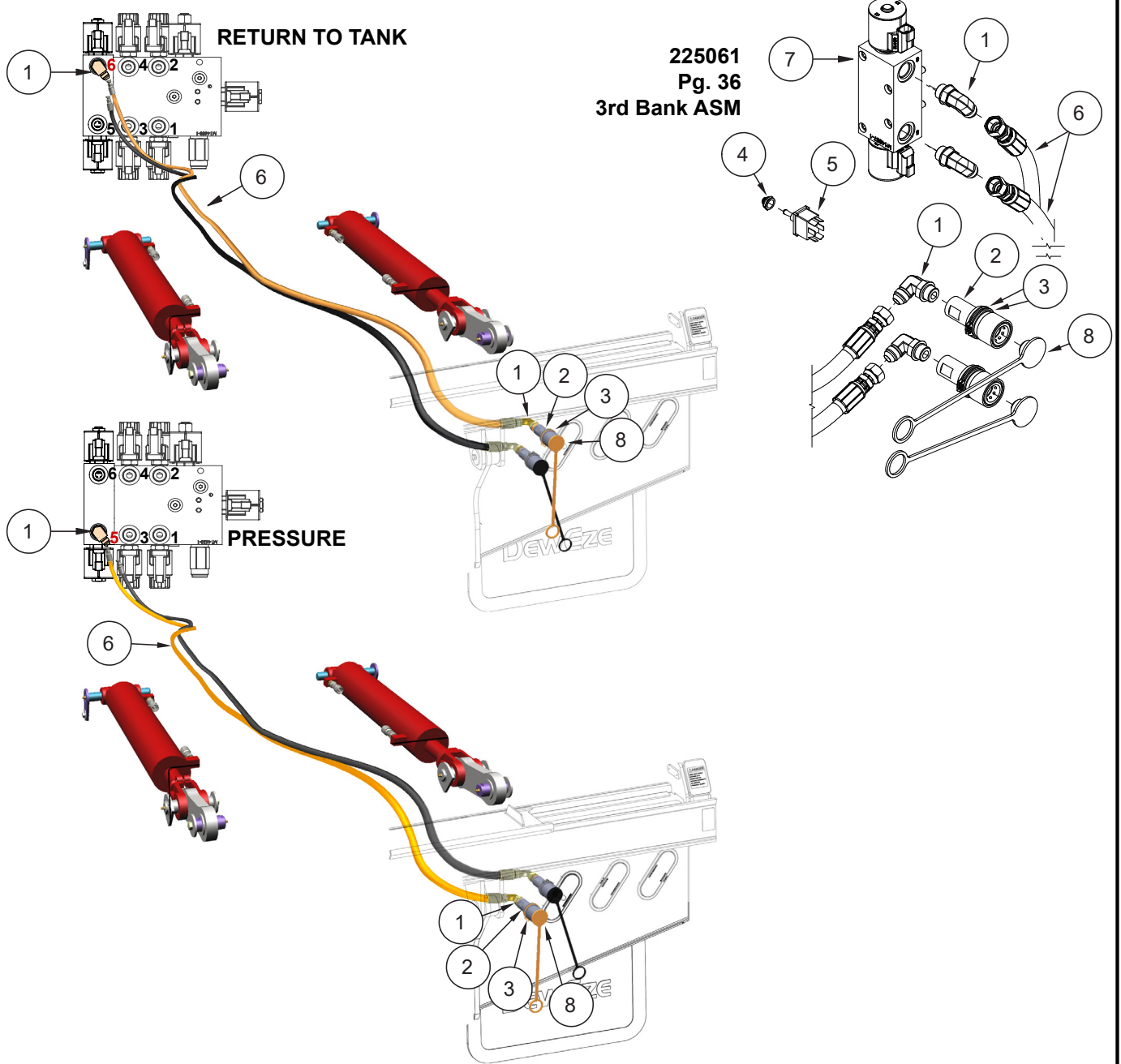


HOSES: Valve to Cylinder Area			
ITEM	QTY	876, 879, 976, 984	988
1	2	220826 (.375x112,6fjx/6fjx)	220839 (.375x137,6fjx/6fjx)
2	2	220825 (.375x138,6-6fjx/6-8mj)	220840 (.375x158,6-6fjx/6-8mj)

Kits & Assemblies		
223101	2x (1) & (2)	876, 879, 976, 984
223112	2x (1) & (2)	988
223123	4x (3), 2x (6)	All Models

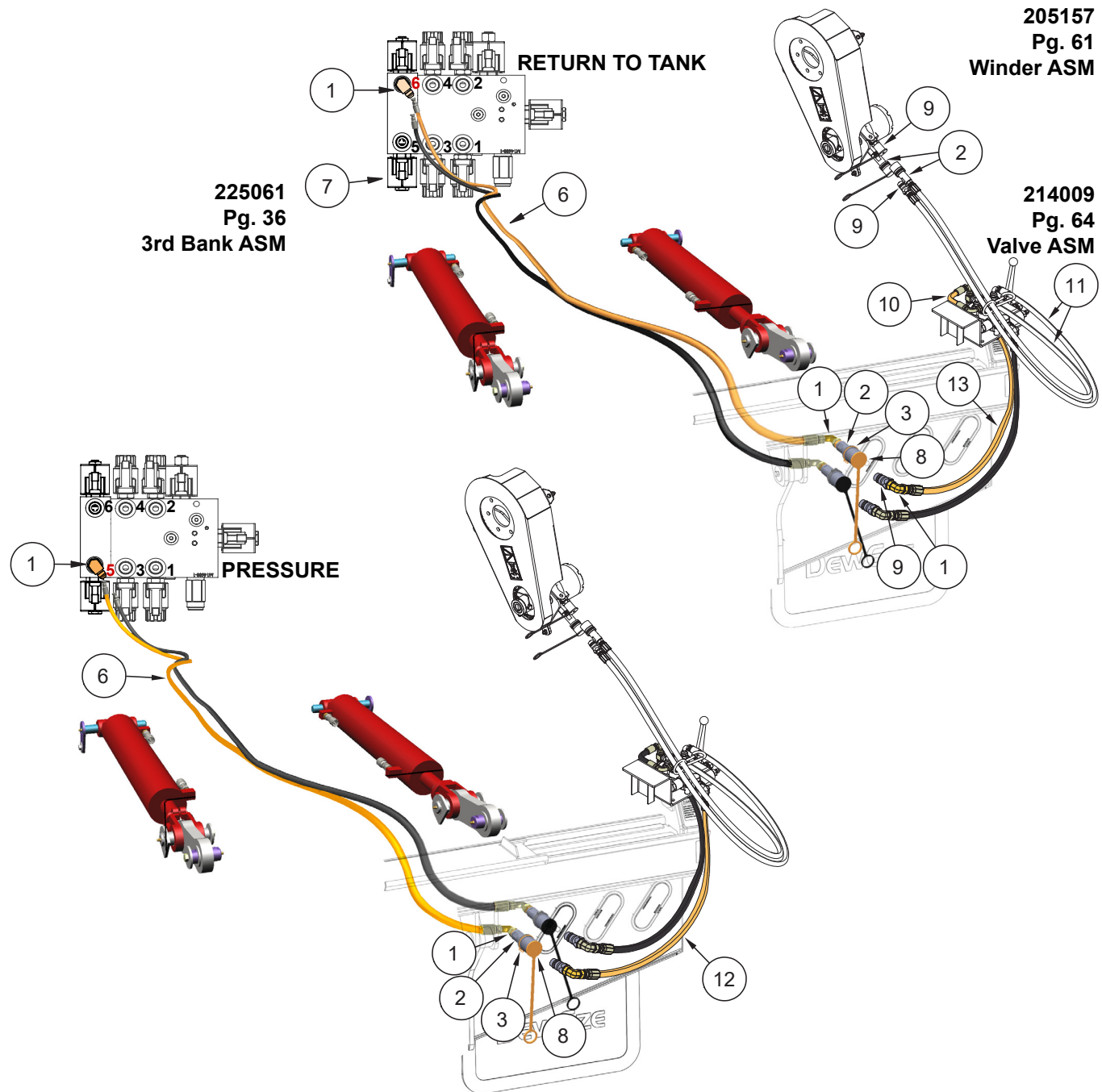
Common Parts			
ITEM	QTY	PART #	DESCRIPTION
3	4	220824	.375x17, 6fjx/6fjx
4	2	120214	Adapter 6mj-6mj-6mj
5	4	120319	Adapter, 6mj-6mb
6	2	220855	.375X21.5, 6-6fjx/6-8fjx
7	2	120768	Adapter Live Swivel, 6fj-6mj
8	2	122038	Adapter, 6mb-6mb
9	2	122040	Adapter, Velocity 10gpm, 6mj-6fb

RT 3RD BANK ROUTING



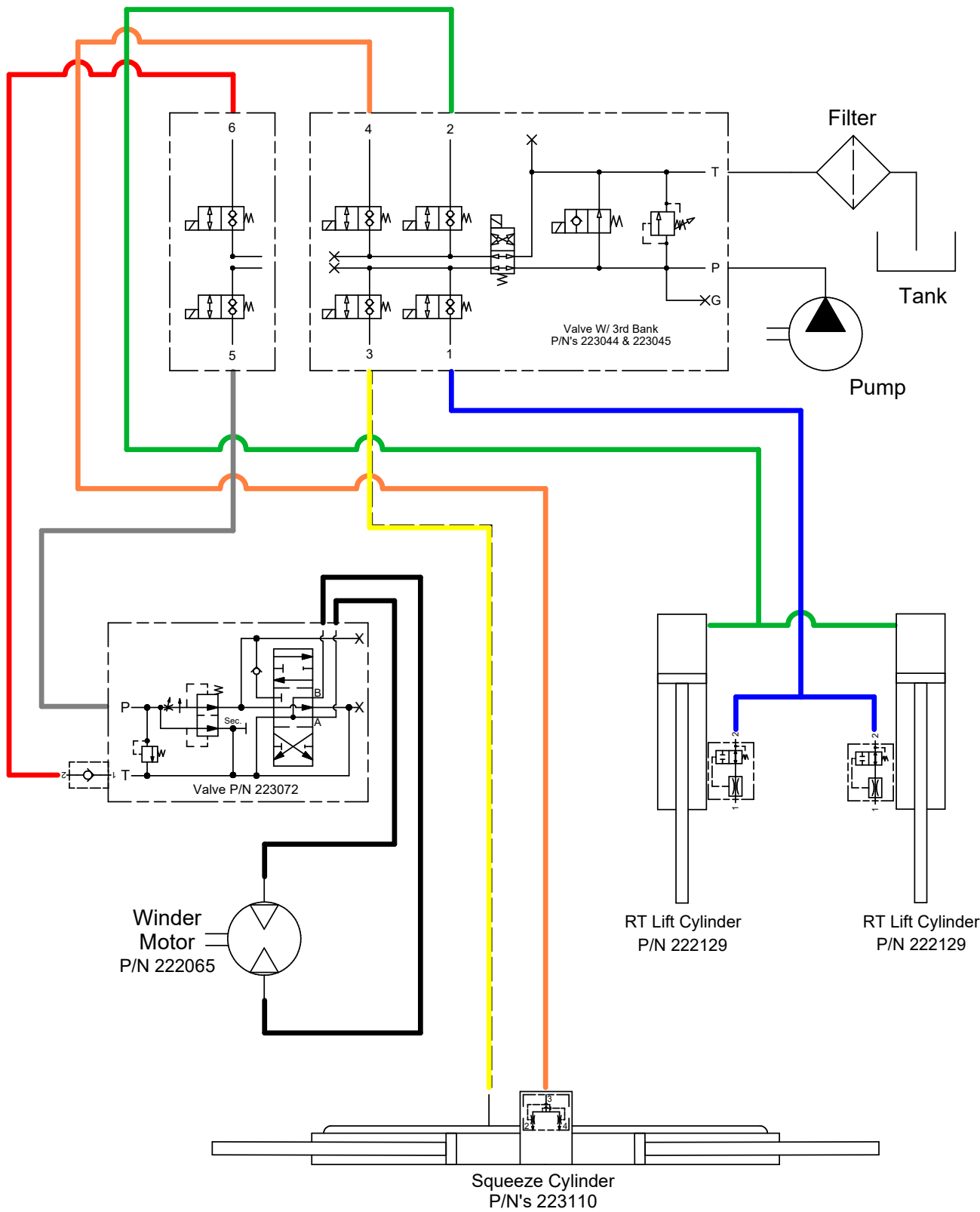
PARTS LIST			
ITEM	QTY	PART #	DESCRIPTION
	Kit	225061	RT 3rd Bank Valve Kit
1	4	120288	Adapter, 8mj-8mb90
2	2	120581	Coupler, Pioneer Female, Orb
3	4	120583	Snap Ring, Orb Pioneer Coupler
4	1	132035	Switch Boot
5	1	132134	Switch, Toggle, Dpdt, On-Off-On
6	2	220697	Hose, .50 X 183.00, 8-8fjx
7	1	223045	Valve, 3rd Bank Add On (223044)
8	2	420051	Dust Plug, Pioneer Coupler

RT 3RD BANK ROUTING WITH WINDER



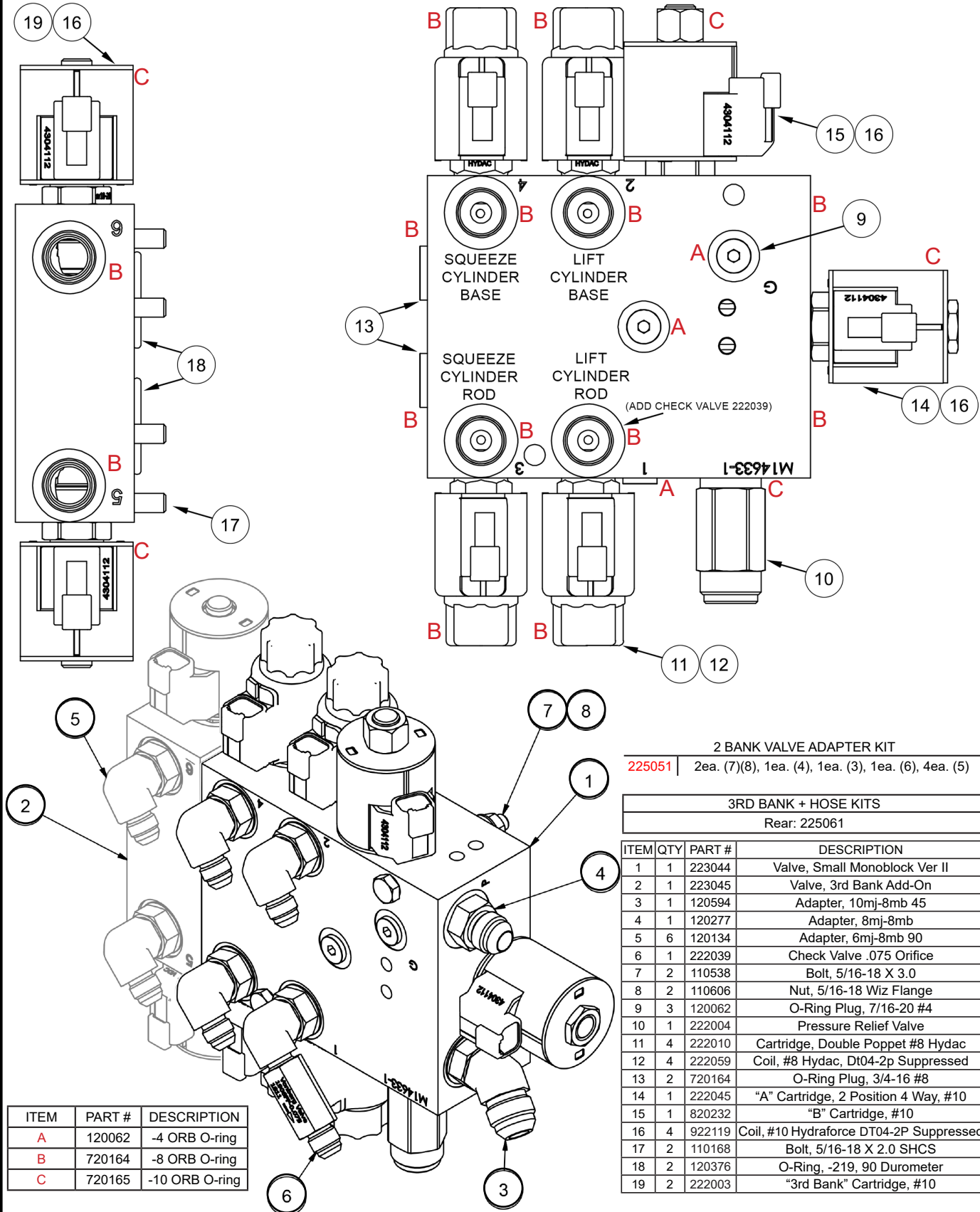
PARTS LIST				PARTS LIST			
ITEM	QTY	PART #	INCLUDED IN 3RD BANK KIT	ITEM	QTY	PART #	ITEMS FROM OTHER ASSEMBLIES
	Kit	225061	RT 3rd Bank Valve Kit	9	4	120582	Coupler, Pioneer Male, ORB
1	4	120288	Adapter, 8mj-8mb90	10	1	220746	Hose, .50 x 10.0 8fjx90/8fjx90
2	2	120581	Coupler, Pioneer Female, Orb	11	2	220747	Hose, .50 x 99.0 8fjx90/8mb
3	4	120583	Snap Ring, Orb Pioneer Coupler	12	1	220748	Hose, .50 x 41.0 8fjx/8fjx
4	1	132035	Switch Boot	13	1	220749	Hose, .50 x 46.0 8fjx/8fjx90
5	1	132134	Switch, Toggle, Dpdt, On-Off-On				
6	2	220697	Hose, .50 X 183.00, 8-8fjx				
7	1	223045	Valve, 3rd Bank Add On (223044)				
8	2	420051	Dust Plug, Pioneer Coupler				

RT Hydraulic Schematic

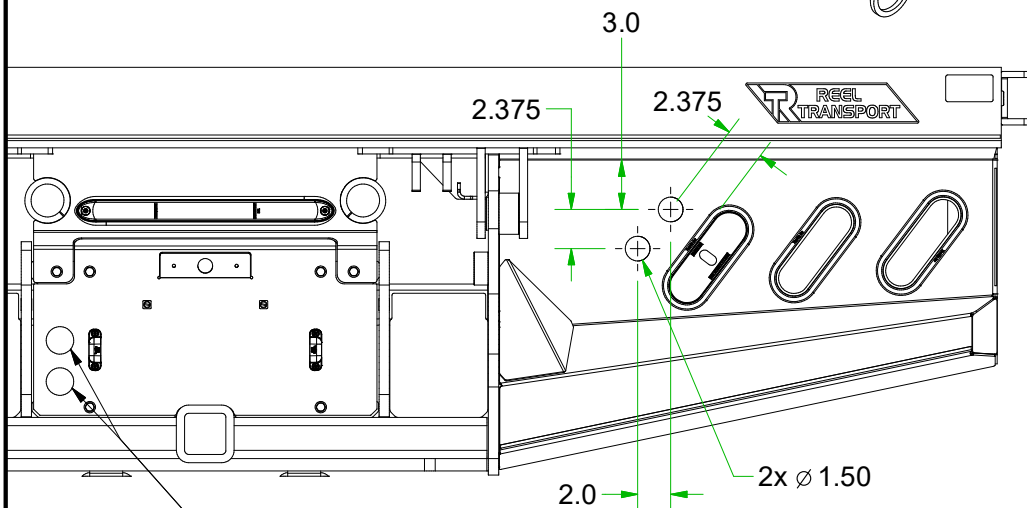
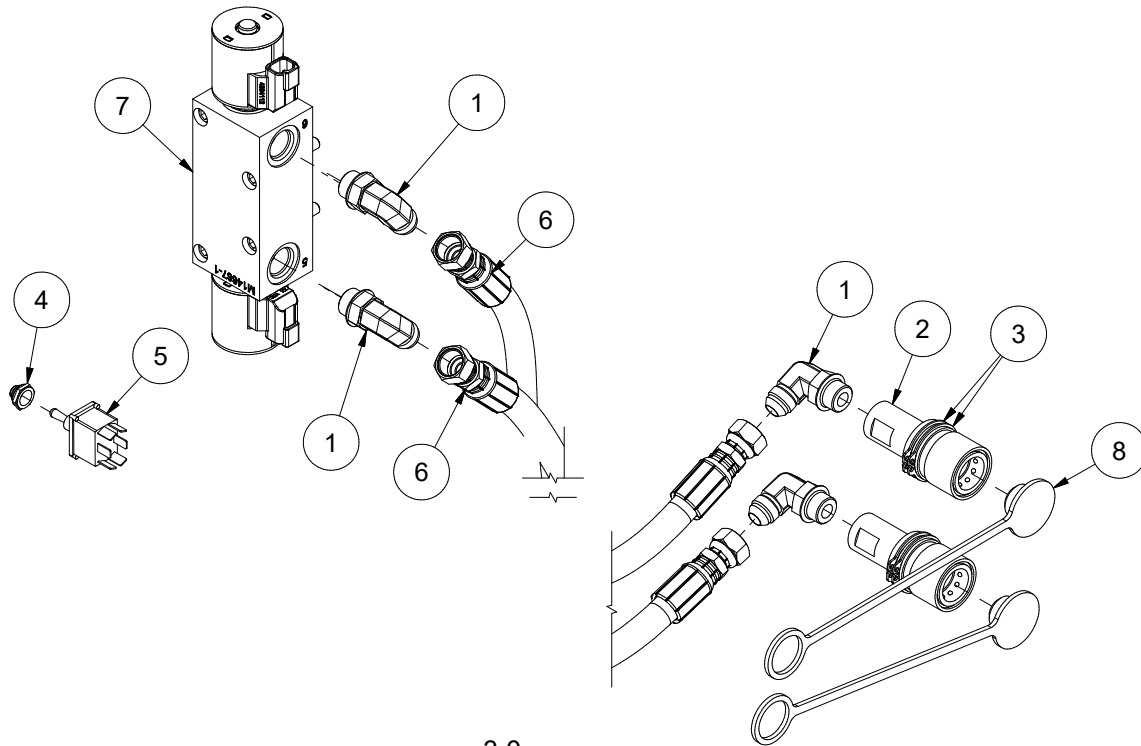


1/29/2025

800/900 HYDRAULIC VALVE & 3RD BANK



RT VALVE KIT, 3RD BANK W/REAR COUPLERS



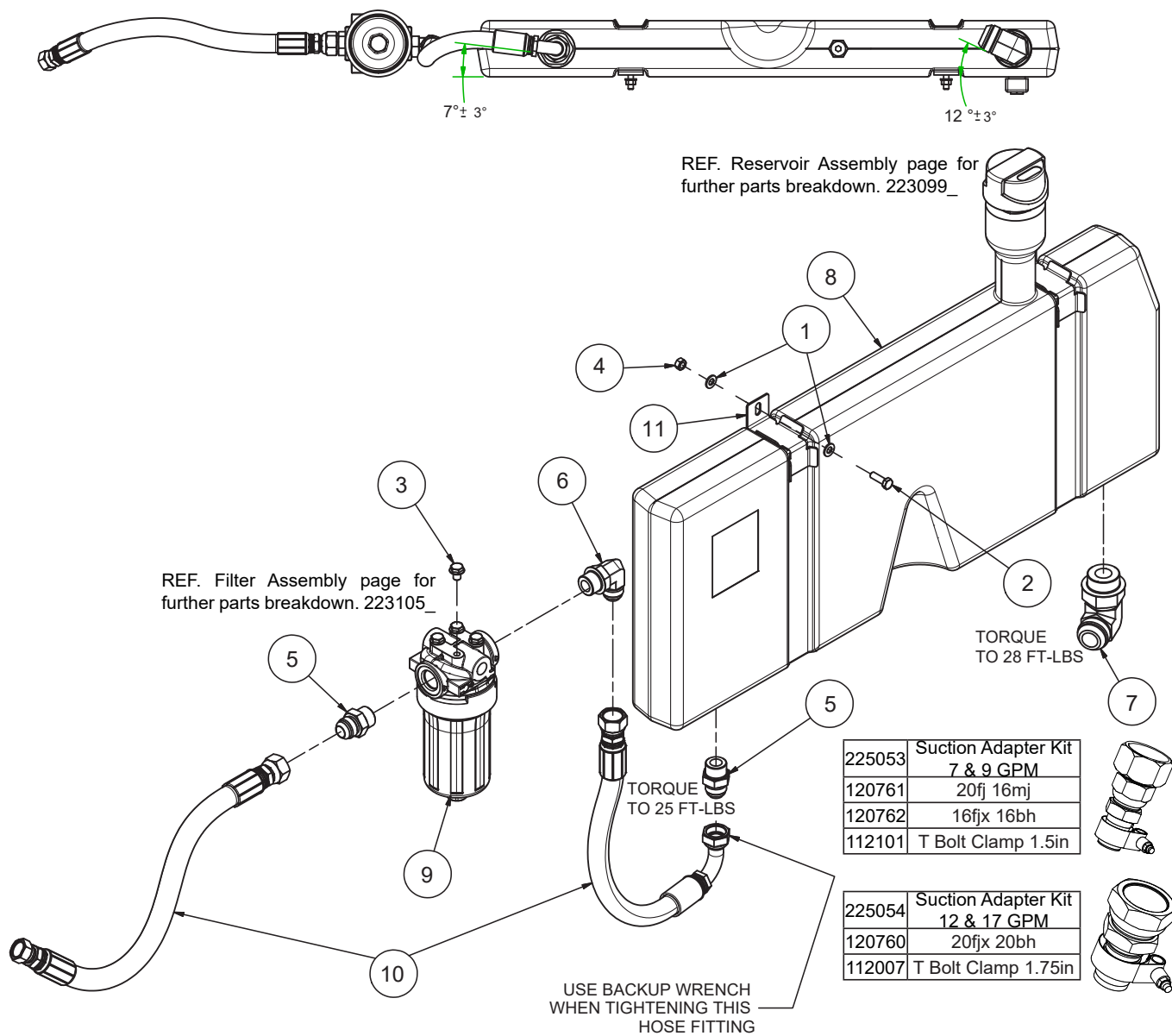
This Location
Will Not Work
With The RT Winder

Drill Holes Where Indicated

Parts List

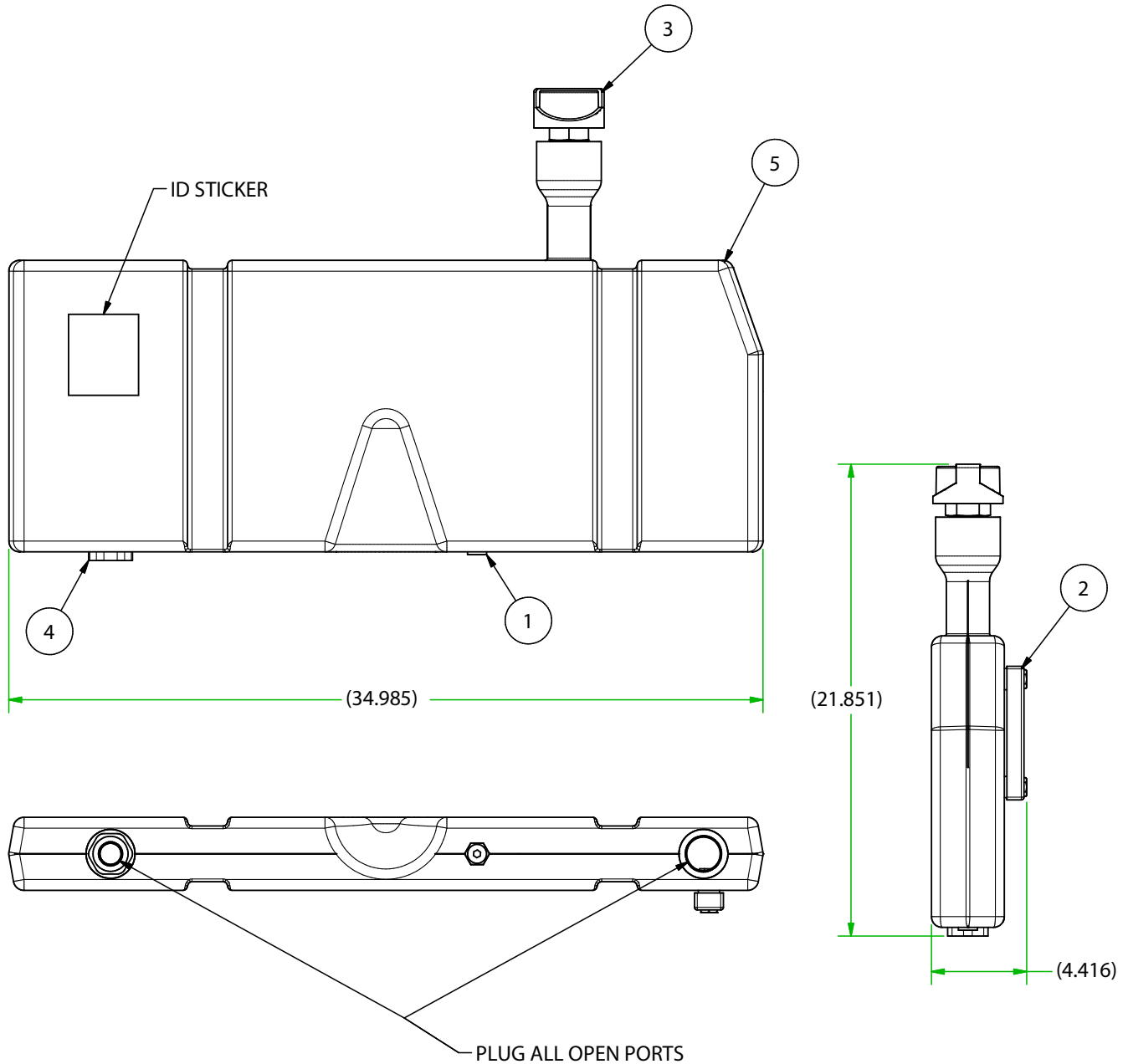
ITEM	QTY	PART #	DESCRIPTION
1	4	120288	Adapter, 8mj-8mb90
2	2	120581	Coupler, Pioneer Female, Orb
3	4	120583	Snap Ring, Orb Pioneer Coupler
4	1	132035	Switch Boot
5	1	132134	Switch, Toggle, Dpdt, On-Off-On
6	2	220697	Hose, .50 X 183.00, 8-8fx
7	1	223045	Valve, 3rd Bank Add On (223044)
8	2	420051	Dust Plug, Pioneer Coupler

800/900 HYDRAULIC RESERVOIR & FILTER



ITEM	QTY	PART #	DESCRIPTION
1	4	110069	Washer, 5/16" Flat SAE
2	2	110423	Bolt, 5/16-18 X 1.0
3	4	110462	Bolt, 3/8-16 X 0.5, Wiz Flange
4	2	110608	Nut, 5/16-18
5	2	120254	Adapter, 12mj-12mb
6	1	120257	Adapter, 12mj-12mb90
7	1	120404	Adapter, 20mj-20mb90
8	1	223099	Reservoir Assembly, Hydraulic
9	1	223105	Filter Assembly, Medium Pressure
10	1	223108	Kit, Hydraulic Hoses, Return
11	2	261310	Bracket, Hyd Tank Mount

800/900 RESERVOIR ASSEMBLY

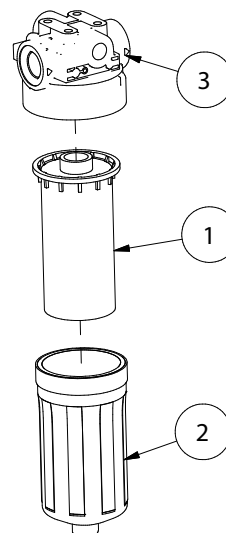
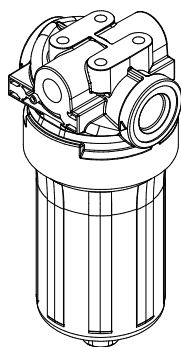
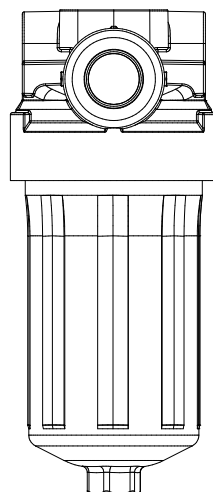
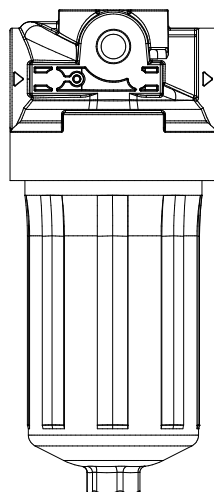
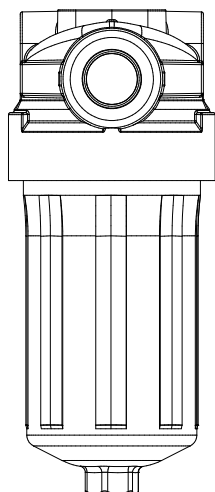


Parts List				Kit: 223099
ITEM	QTY	PART #	DESCRIPTION	
1	1	120526	Plug, 8mb, Internal Hex Head	
2	1	222115	Sight Glass	
3	1	222116	Cap, Breather	
4	1	222117	Diffuser	
5	1	222118	Reservoir, Hydraulic, Service	

800/900 FILTER ASSEMBLY (MEDIUM PRESSURE)

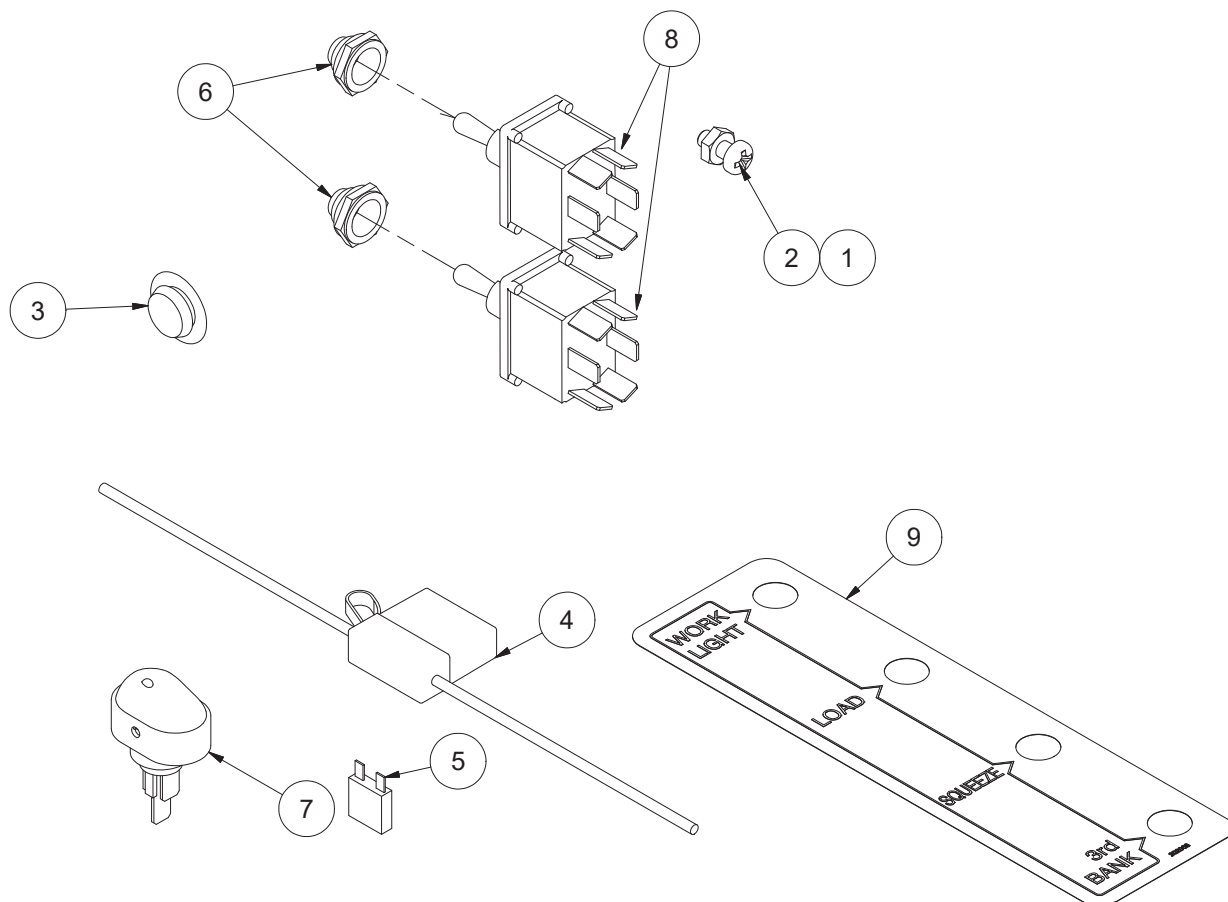
NOTES:

- PORTS: SAE -12
- FILTER RATING: 5 μm
- OPERATING PRESSURE (MAX): 725 PSI
- FLOW: 35 GPM
- MEDIUM MATERIAL: SYNTHETIC

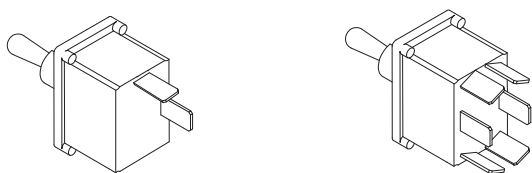


Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	1	222119	Filter Element, Service
2	1	222120	Filter Housing, Service
3	1	222121	Filter Head, Service

800/900 VALVE SWITCHES KIT



Non-Kit Switches



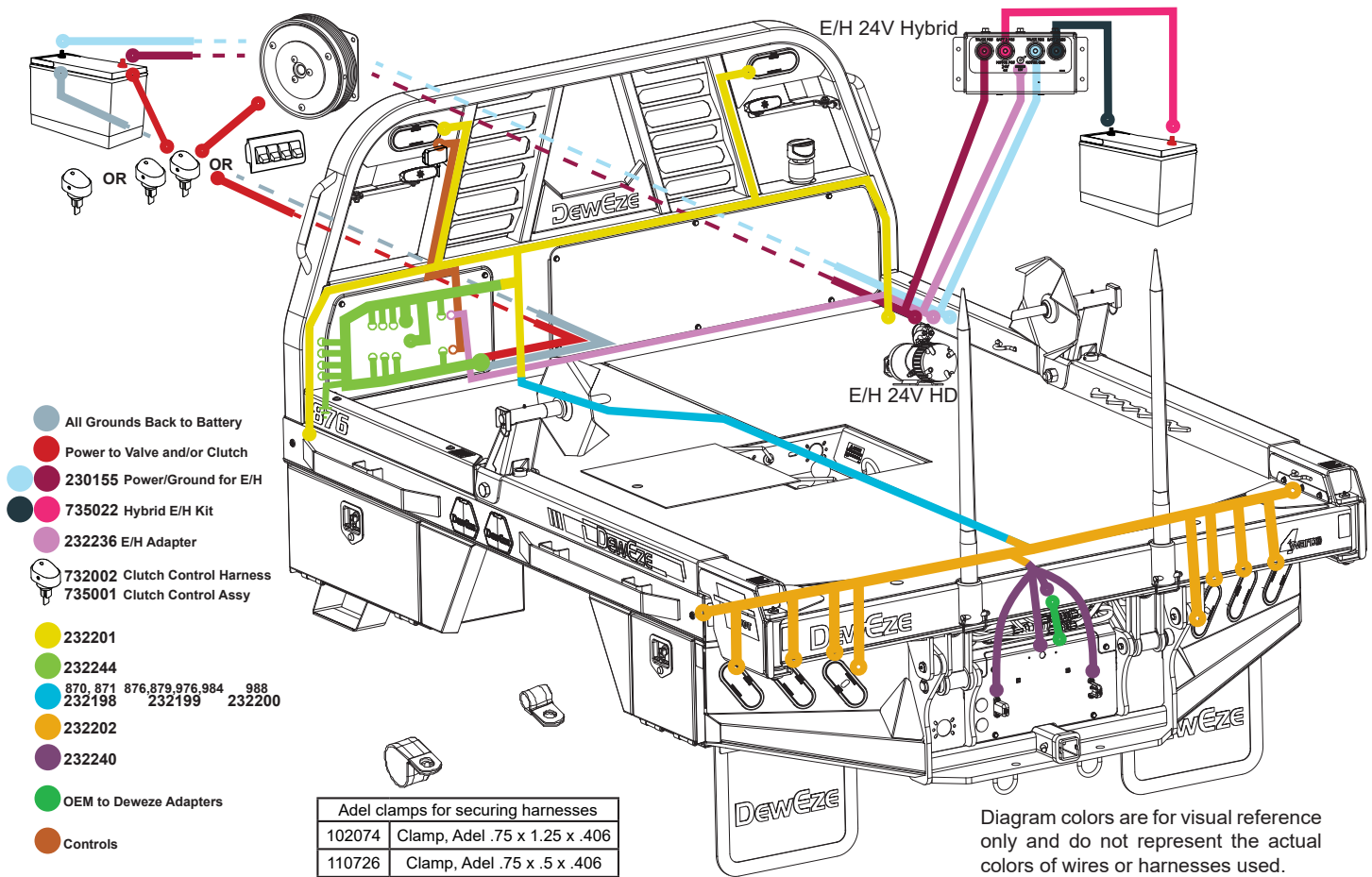
QTY	PART #	DESCRIPTION
1	132135	Work Light Switch, Toggle, SPST, On-Off
1	132134	AUX 3rd Bank, DPDT, On-Off-On
1	132127	XRM 3rd Bank, Momentary, (On)-Off-(On)

Parts List

Kit: 235047

ITEM	QTY	PART #	DESCRIPTION
1	1	110119	Nut, 10-24 Lock
2	1	110264	Bolt, 10-24 X .5 Stainless, Phillips
3	2	110753	Plug, 1/2\" Button Plastic
4	1	132001	Fuse Holder, Atc, 14 Ga., Mini
5	1	132002	Fuse, Mini 30 Amp
6	2	132035	Switch Boot
7	1	132044	Switch, SPST, Rocker LED
8	2	132127	Switch, Momentary (On)-Off-(On)
9	1	202003	Decal, Switch Identification

800/900 ELECTRICAL HARNESSES



All grounds must tie to the negative battery terminal. 800/900 series beds have a special grounded bolt near the driver's side headache rack for easy grounding.

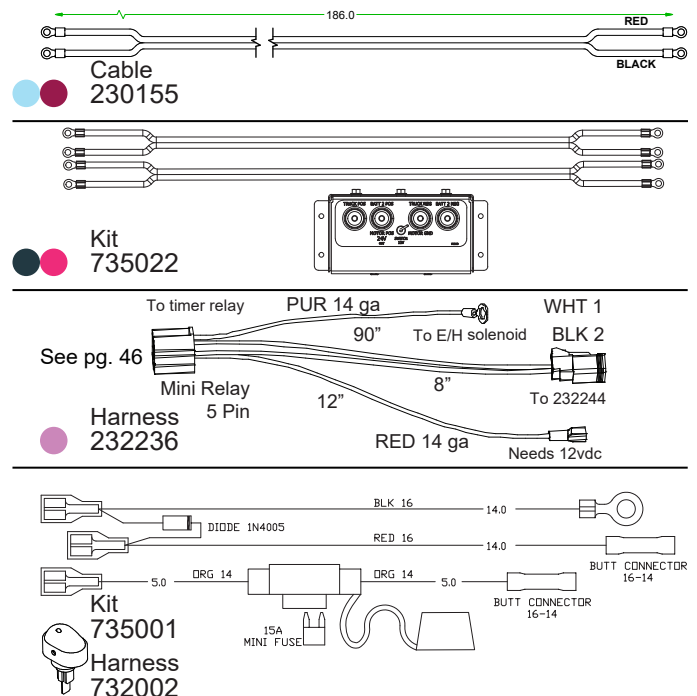
Power is routed from the battery to switches in the cab, then one to clutch and one to valve.

EH Battery & Ground 2ga cable

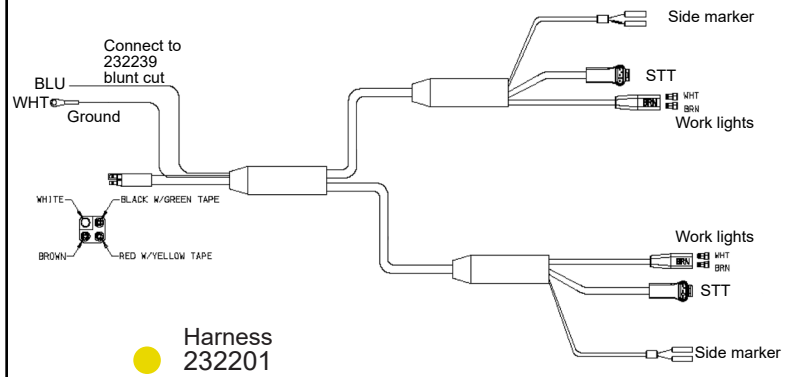
EH Battery & Ground 2ga cable

EH Adapter

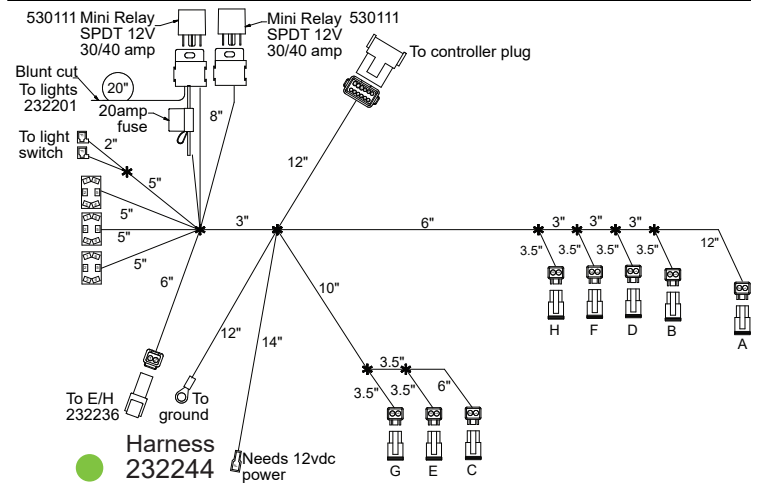
The clutch has a single wire that must go to an on/off switch in the cab. Deweze recommends separate switches; one for the clutch and one for the valve. Deweze uses upfitter Aux 1 for the clutch and Aux 2 for the valve. Without upfitter switches, we install two SPST switches in the dash.



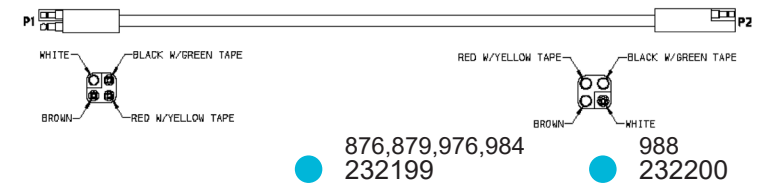
● Headache Rack Harness



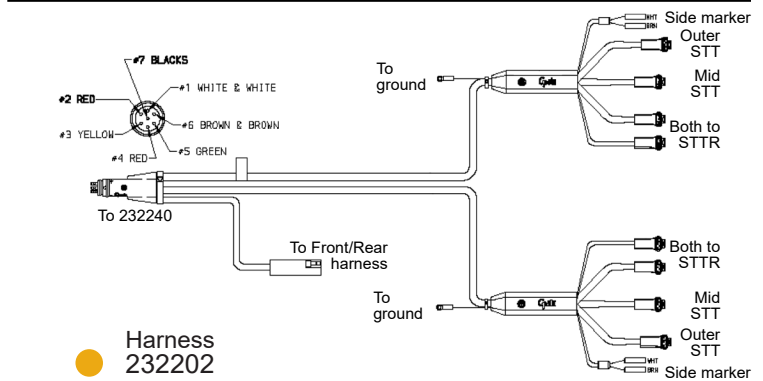
● Valve Harness



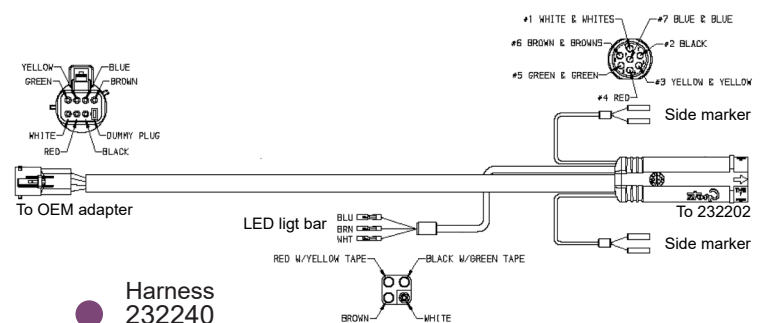
● Front to Rear Harness



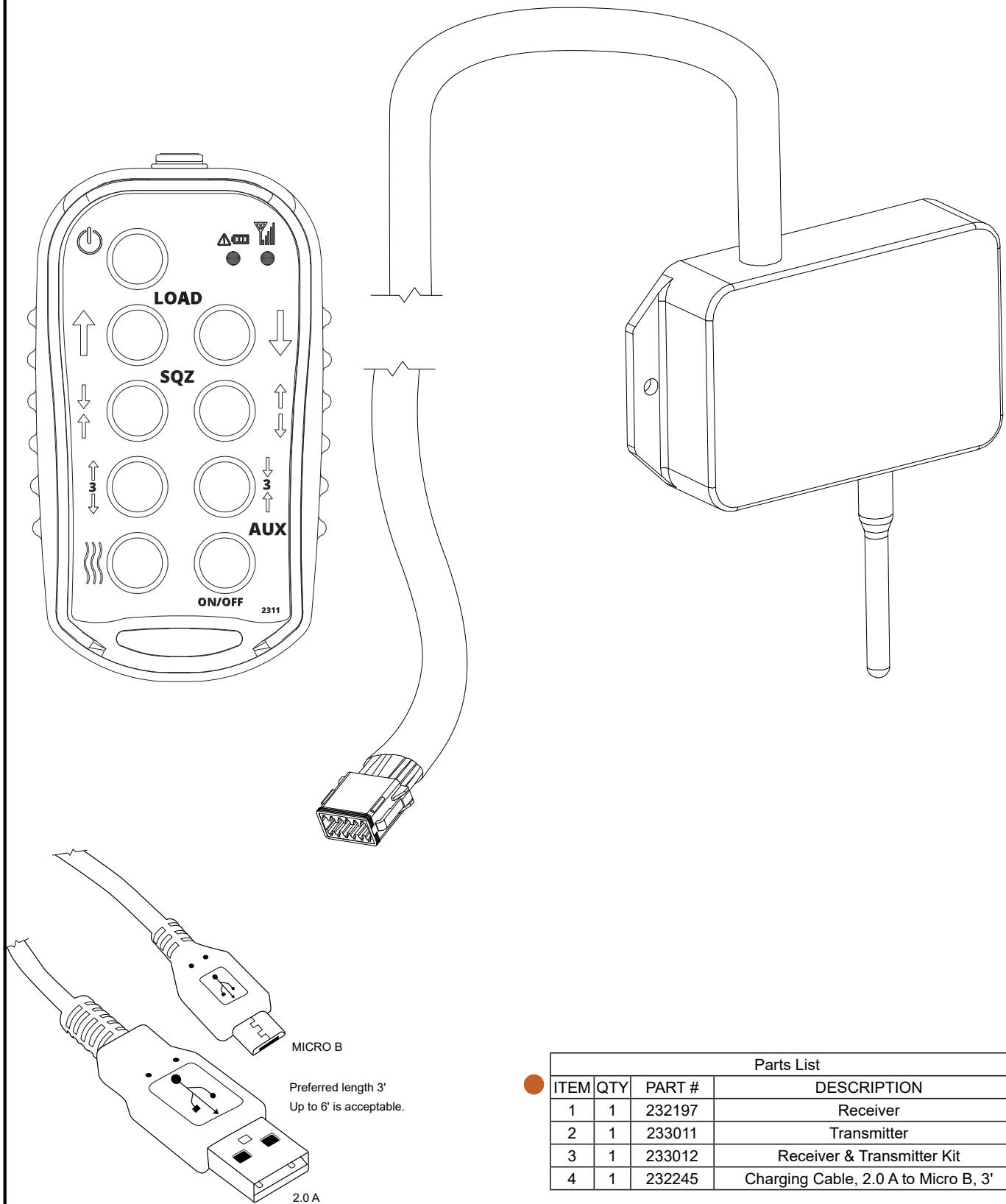
● Tailboard Harness



● Tailboard Harness Adapter



RT WIRELESS (ENABLE FUNCTION)



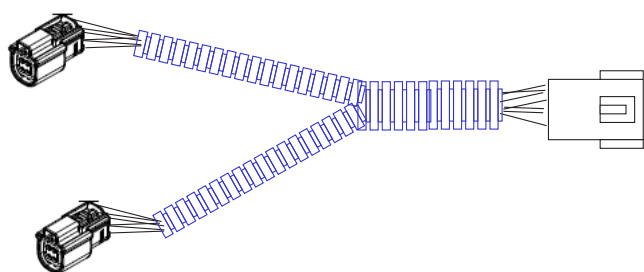
Parts List

ITEM	QTY	PART #	DESCRIPTION
1	1	232197	Receiver
2	1	233011	Transmitter
3	1	233012	Receiver & Transmitter Kit
4	1	232245	Charging Cable, 2.0 A to Micro B, 3'

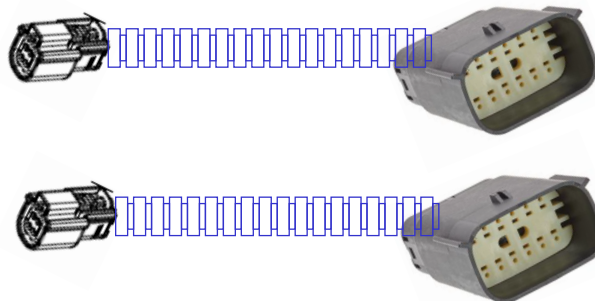
ITEM NO.		DESCRIPTION	YEAR
232234	FORD	Harness Adapter, <i>Box Delete</i>	2023+
232185		Harness Adapter, <i>Box Delete</i>	2020-2022
232177		Harness Adapter, <i>Box Delete</i>	2017-2019
232160		Harness Adapter, <i>Box Delete</i>	2011-2016
232176		Harness Adapter, <i>Box Delete</i>	2008-2010
232161		Harness Adapter, <i>Cab-chassis</i>	ALL
232192		Harness Adapter, Blis	2021+
232238	CHEVY	Harness Adapter, <i>Box Delete</i>	2024+
232178		Harness Adapter, <i>Box Delete</i>	2020-2023
232159		Harness Adapter, <i>Box Delete</i> & Cab-chassis	2016-2019
232158		Harness Adapter, <i>Box Delete</i> & Cab-chassis	2015
232187		Harness Adapter, <i>Cab-chassis</i>	2020+
232174		Harness Adapter, <i>Box Delete & Cab-chassis</i> , w 3rd Brake Light (cab)	2002-2014
232163		Harness Adapter, <i>Box Delete & Cab-chassis</i> , w/o 3rd Brake Light (cab)	2002-2014
232179		Harness Adapter, <i>MD DTY 4500-6500</i>	2019+
232193	DODGE	Harness Adapter, <i>Box Delete</i>	2019+
232233		Harness Adapter, <i>LED Box Delete</i>	2019+
232164		Harness Adapter, <i>Cab-chassis</i>	ALL
232162		Harness Adapter, <i>Generic</i>	ALL

DODGE

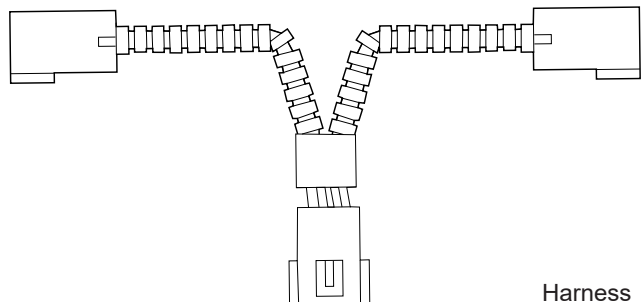
Deweze DOES NOT provide a solution for FAST FLASHING lights.
Customers can source LOAD EQUALIZERS independantly.



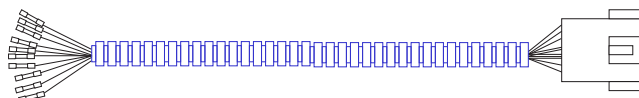
Harness
232193



Harness
232233



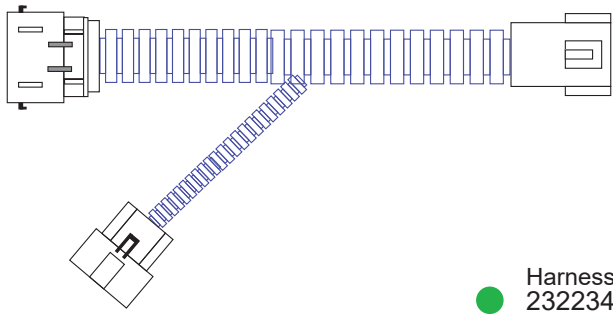
Harness
232164



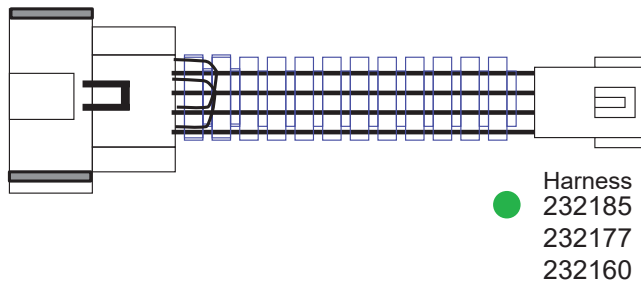
Harness
232162

FORD

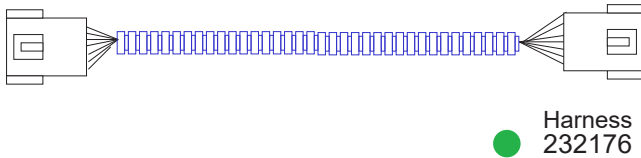
● OEM to Deweze Adapters



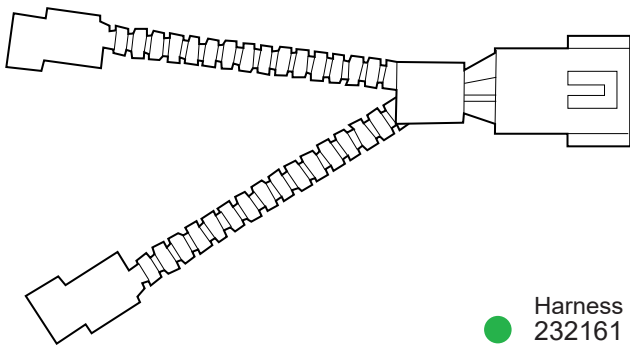
● Harness
232234



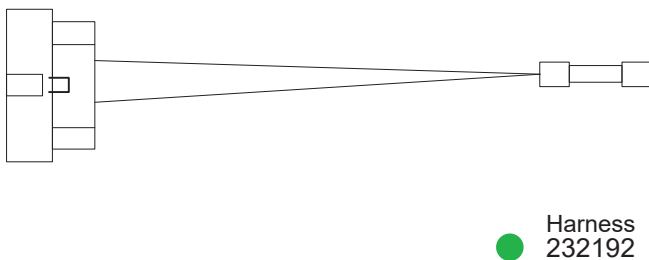
● Harness
232185
232177
232160



● Harness
232176



● Harness
232161

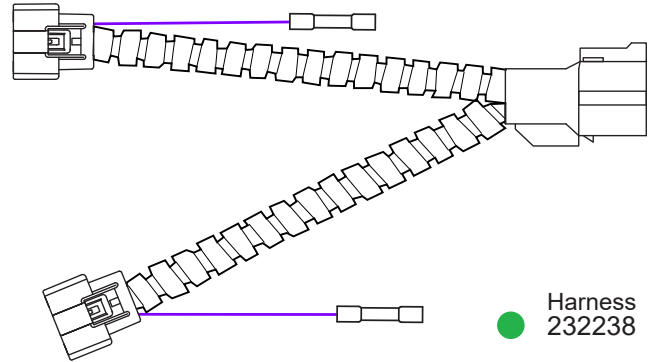


● Harness
232192

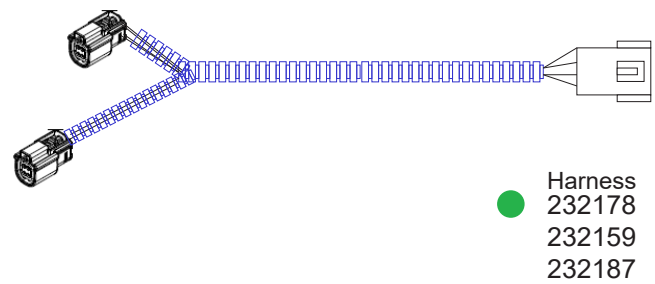
CHEVY

● OEM to Deweze Adapters

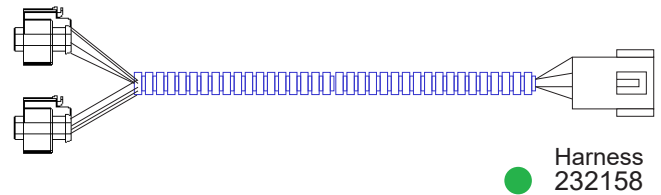
Purple wires only for fast flashing issue. See pg. 71



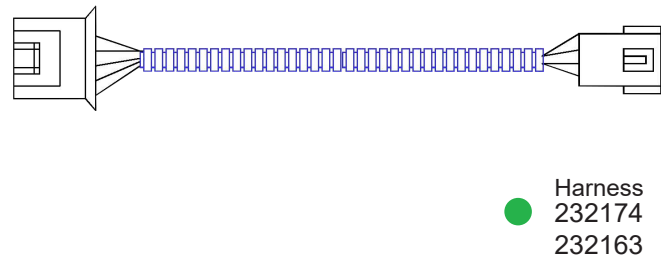
● Harness
232238



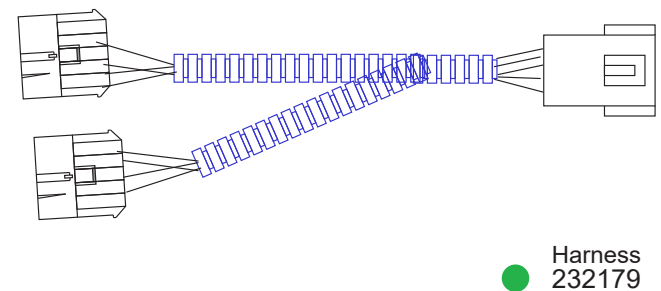
● Harness
232178
232159
232187



● Harness
232158

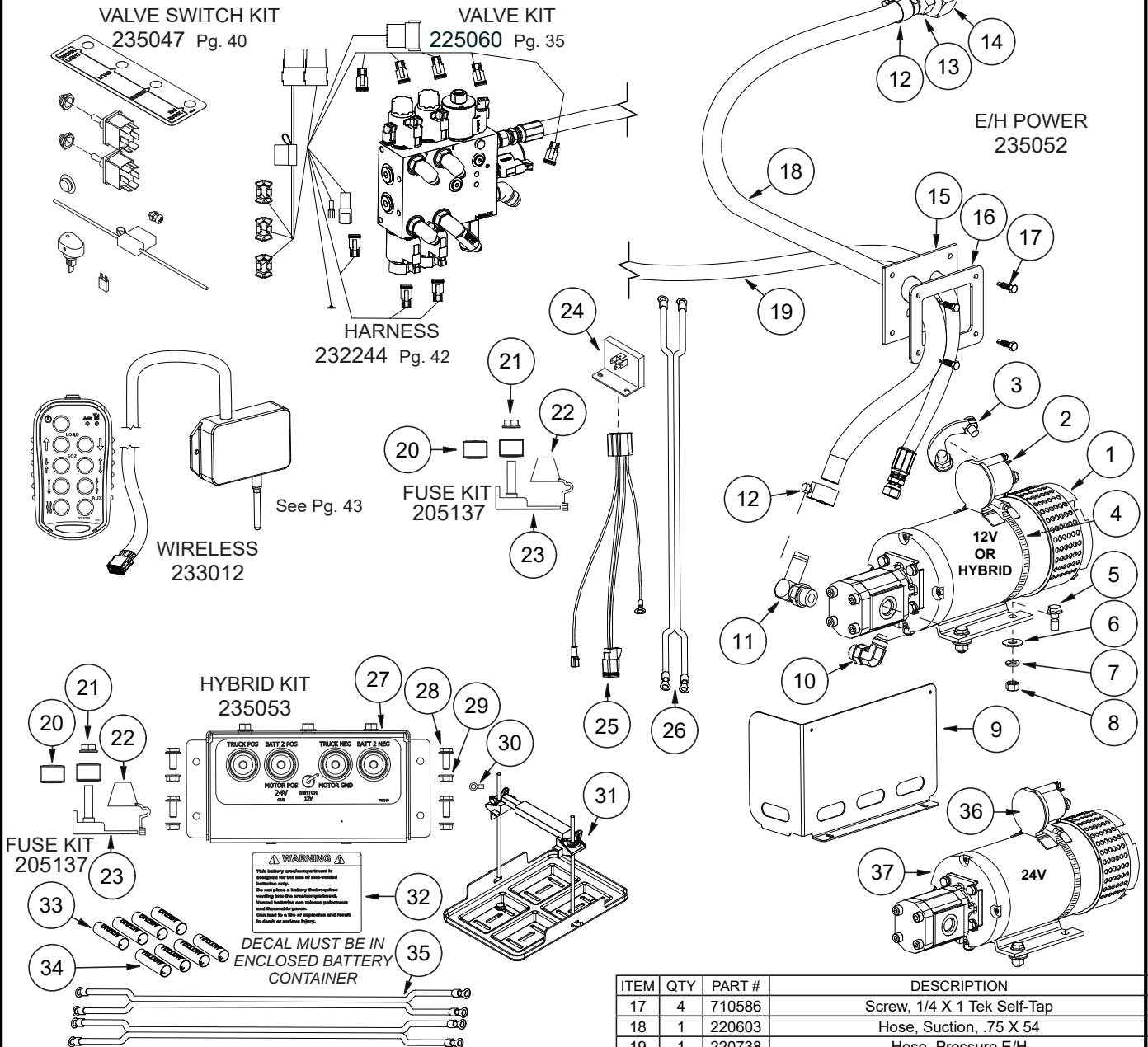


● Harness
232174
232163



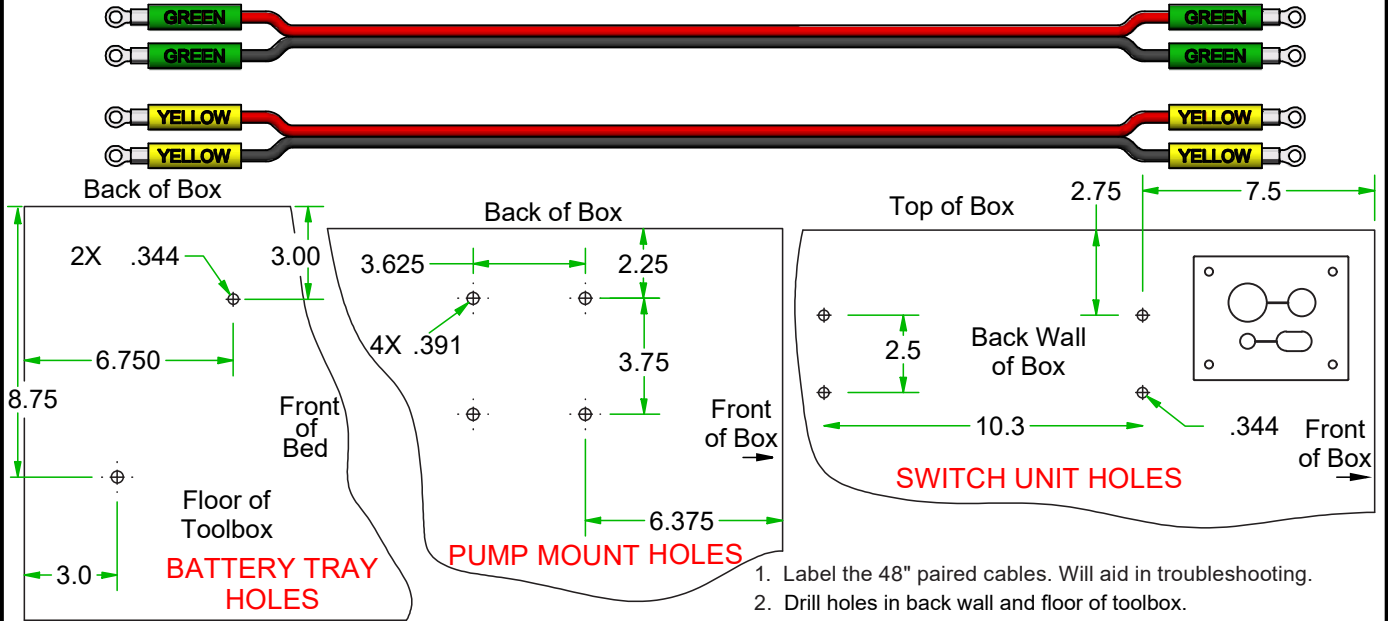
● Harness
232179

E/H & E/H HYBRID PARTS: RT



Parts List						
ITEM	QTY	Part #	DESCRIPTION		ITEM	QTY
1	1	222103	Pump, Bucher HD		20	2
2	1	232103	Solenoid, 4 Post 12vdc Contactor		21	1
3	1	232102	Strap, Solenoid To Motor		22	1
4	1	940028	Hose Clamp 6"		23	1
5	4	110440	Bolt, 3/8-16 X 1, Wiz Flange		24	1
6	4	110676	Washer, 3/8 Flat Standard		25	1
7	4	110672	Washer, 3/8 Lock		26	1
8	4	110826	Nut, 3/8-16 GR 5		27	1
9	1	260400	Shield, E/H		28	4
10	1	120288	Adapter, 8mj-8mb90		29	4
11	1	120184	Adapter, 12bh-10mb90		30	1
12	2	112136	Clamp, 3/4" T-Bolt, Supra W2-120		31	1
13	1	120764	Adapter, 12fx-12hb		32	1
14	1	120763	Adapter, 20fx-12mj		33	4
15	1	260401	Access Cover, E/H		34	4
16	1	211849	Access Cover Frame		35	2
					36	1
					37	1

E/H HYBRID INSTRUCTIONS

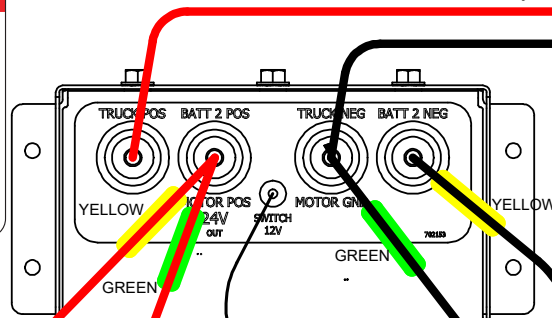
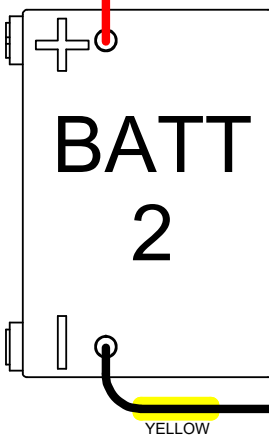


1. Label the 48" paired cables. Will aid in troubleshooting.
2. Drill holes in back wall and floor of toolbox.
3. Mount Switch Unit on back wall
4. Install battery tray and battery on floor
5. Attach 200 amp fuse holder to positive battery terminal
6. Attach battery cables as indicated on wiring diagram.

WARNING

This battery area/compartment is designed for the use of non-vented batteries only. Do not place a battery that requires venting into this area/compartment. Vented batteries can release poisonous and flammable gases. Can lead to a fire or explosion and result in death or serious injury.

FUSE 200 AMP
BUSS MRBF-200

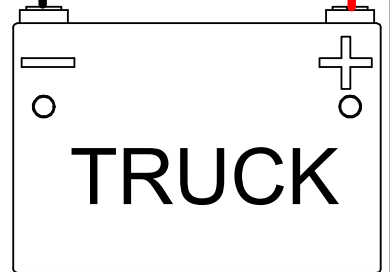


Purple Switch Wire From Valve Harness (B)

DO NOT USE
This Post as
12V Power Source

DEWEZE
Power Unit
230159
ONLY

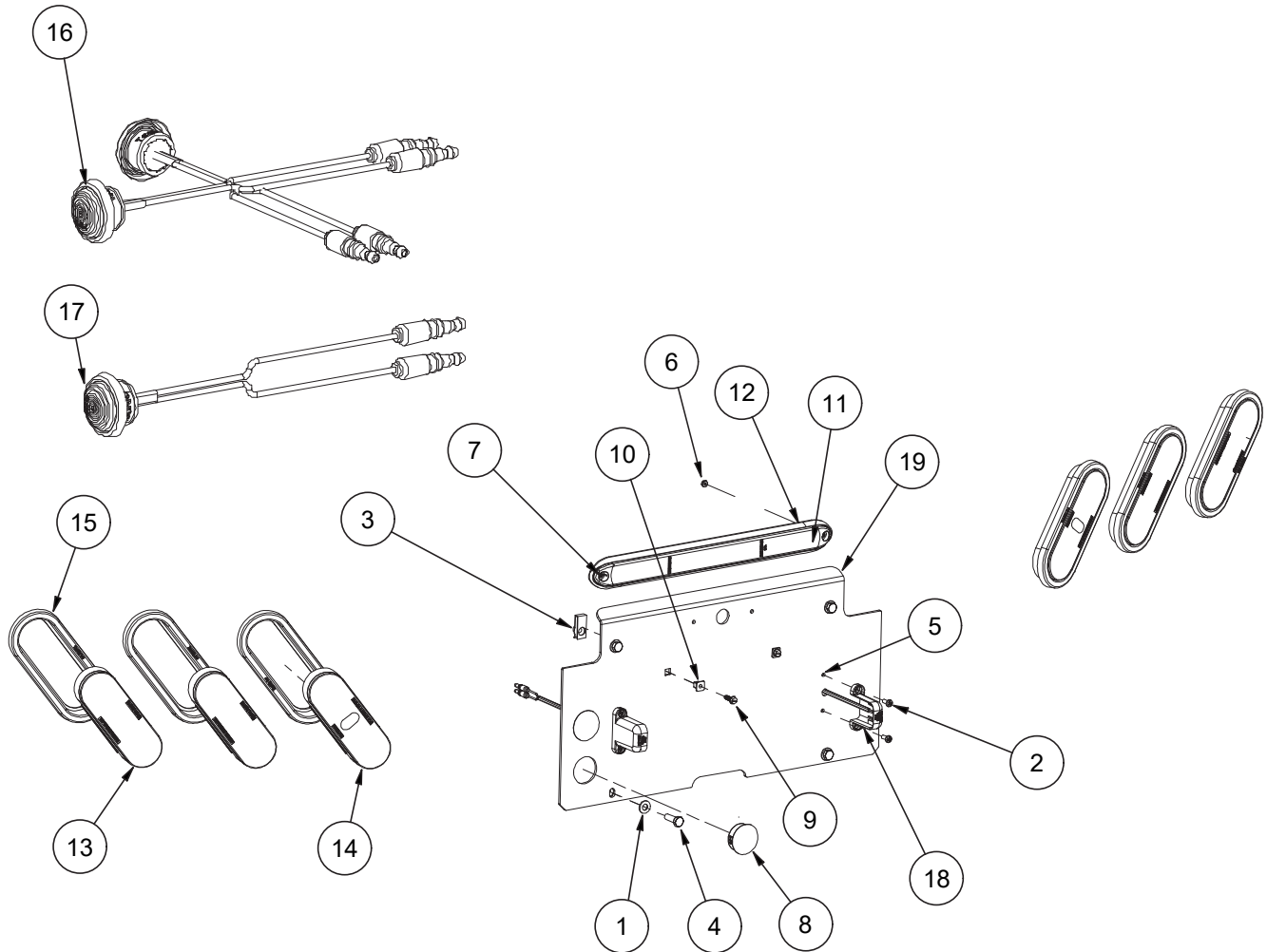
FUSE 200 AMP
BUSS MRBF-200



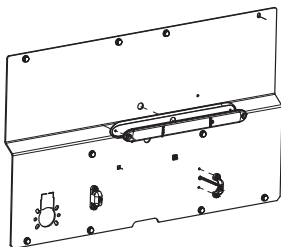
**Cables From Truck
and Batt 2
ARE NOT
Interchangeable**

MANDATORY: Use AGM or Other Non-Vented Battery.
Risk of explosion from hydrogen buildup.

800/900 BED LIGHTS

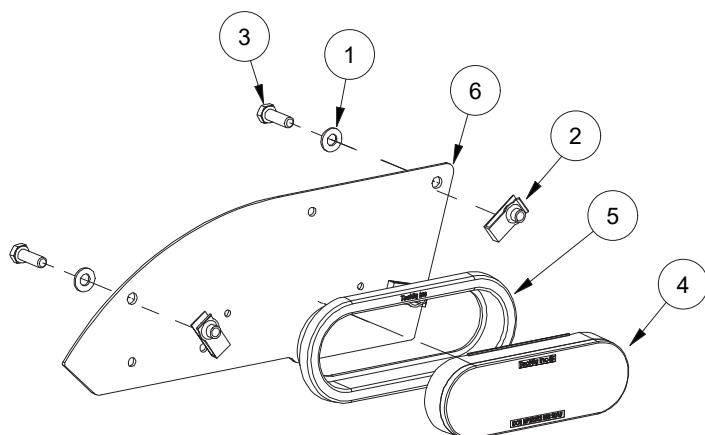


FLATBED SPECIFIC: 261346



ITEM	QTY	PART #	DESCRIPTION
1	4	110069	Washer, 5/16" Flat SAE
2	4	110264	Bolt, 10-24 X .5 Stainless, Phillips
3	4	110319	Nut, 5/16-18 U-Type .75l
4	4	110423	Bolt, 5/16-18 X 1.0
5	4	110631	Nut, 10-24 Lock Nylon Insert
6	2	110633	Nut, #6/32 Machine Screw
7	2	110756	Screw, 6/32 X 1/2 In Pan Head
8	2	111261	Plug, Plastic, 1.5 Thick Panel Dome
9	2	200050	Screw, #12 X 3/4 Hex Head
10	2	200051	Nylon License Plate Insert
11	1	232206	Light, Id And Load Lamp
12	1	232207	Trim Ring, Black
13	4	232209	Light, 6" Oval STT
14	2	232210	Light, 6" Oval STTR
15	6	232211	Grommet, 6" Oval
16	4	232212	Light, 3/4" Sidemarker, Amber
17	2	232213	Light, 3/4" Sidemarker, Red
18	2	232242	Light, License, Vertical Mount, Short
19	1	261343	Panel, Rear, Lower

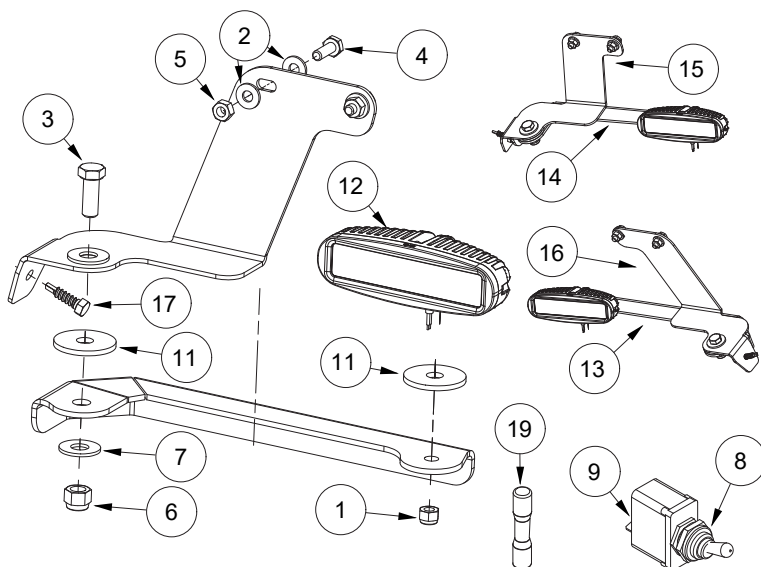
HEADACHE RACK LIGHTS



Parts List

ITEM	QTY	PART #	DESCRIPTION
1	6	110069	WASHER, 5/16" FLAT SAE
2	6	110319	NUT, 5/16-18 U-TYPE .75L
3	6	110423	BOLT, 5/16-18 X 1.0
4	2	232209	LIGHT, 6" OVAL STT
5	2	232211	GROMMET, 6" OVAL
6	2	261156	COVER, LIGHT

HEADACHE RACK SWING LIGHT KIT



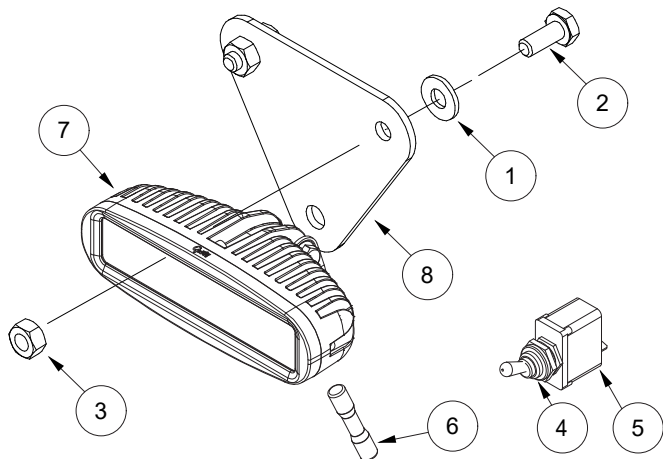
Parts List

Kit: 264043

ITEM	QTY	PART #	DESCRIPTION
1	2	110230	Nut, M8 X 1.25, Lock Nylon
2	8	110298	Washer, 1/4" Flat Sae
3	2	110420	Bolt, 3/8-16 X 1.0
4	4	110561	Bolt, 1/4-20 X .75
5	4	110609	Nut, 1/4-20
6	2	110618	Nut, 3/8-16 Lock Nylon Insert
7	4	110676	Washer, 3/8" Flat Standard
8	1	132035	Switch Boot
9	1	132135	Switch, Toggle, Spst, On-Off
10	1	132147	Terminal, Butt Connect 16-14, Heat Shink
11	4	211747	Friction Washer 1.5"
12	2	232243	LED, 5" Rect, Flood, Bullet Connectors
13	1	260624	Bracket, Swing Light, Arm, Right
14	1	260625	Bracket, Swing Light, Arm, Left
15	1	261206	Bracket, Swing Light, Left
16	1	261207	Bracket, Swing Light, Right
17	2	710586	Screw, 1/4 X 1 Tek Self-Tap

232214
NOT USED

HEADACHE RACK FIXED LIGHT KIT



Parts List

Kit: 264034

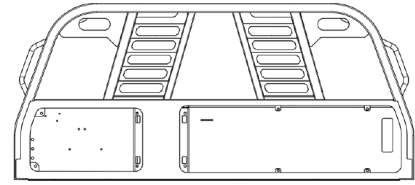
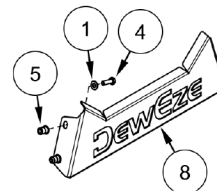
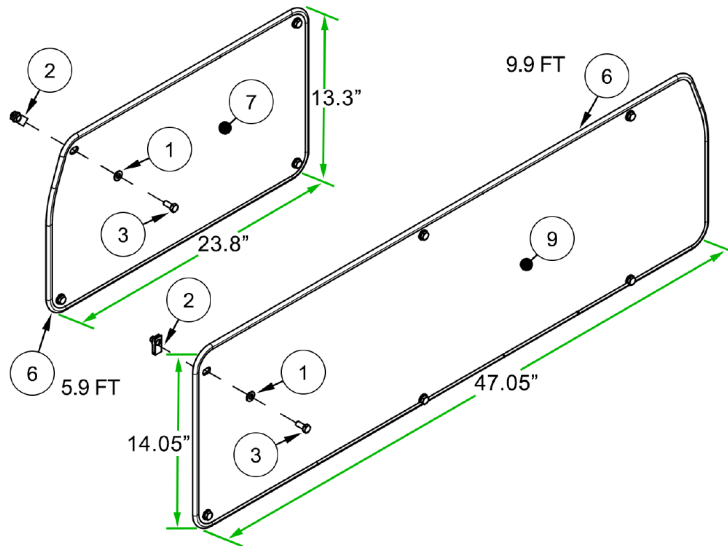
ITEM	QTY	PART #	DESCRIPTION
1	4	110298	Washer, 1/4" Flat SAE
2	4	110299	Bolt, 1/4-20 X .625 Hex GR 5
3	4	110609	Nut, 1/4-20
4	1	132035	Switch Boot
5	1	132135	Switch, Toggle, SPST, On-Off
6	2	132147	Terminal, Butt Connect 16-14, Heat Shink
7	2	232243	LED, 5" Rect, Flood, Bullet Connectors
8	2	260626	Bracket, Cargo Light

232214
NOT USED

264001

REV: C

800/900 HEADACHE RACK COVERS (REGULAR)



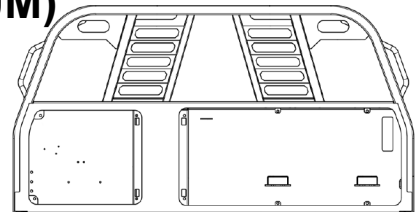
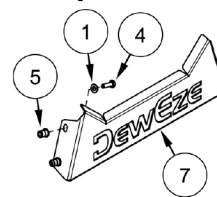
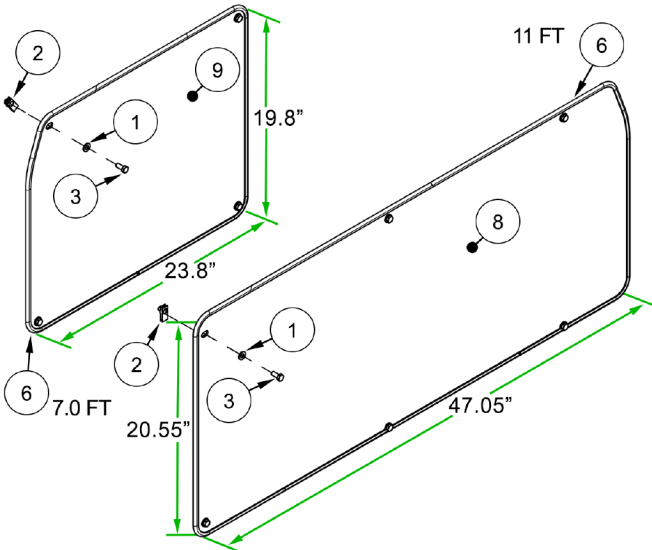
Parts List

ITEM	QTY	PART #	DESCRIPTION
1	14	110069	Washer, 5/16" Flat Sae
2	10	110319	Nut, 5/16-18 U-Type .75l
3	10	110422	Bolt, 5/16-18 X .75
4	4	110423	Bolt, 5/16-18 X 1.0
5	4	110849	Nut, 5/16-18 Rivet Steel
6	15.8'	200249	Molding, Valve Cover
7	1	261104	Cover, Valve
8	1	261105	Plate, Deweze
9	1	261155	Cover, Hydraulic Tank

264033

REV: B

800/900 HEADACHE RACK COVERS (MEDIUM)



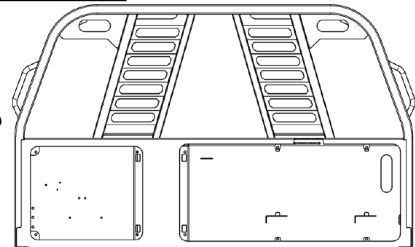
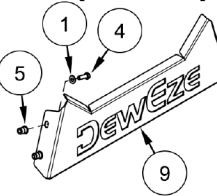
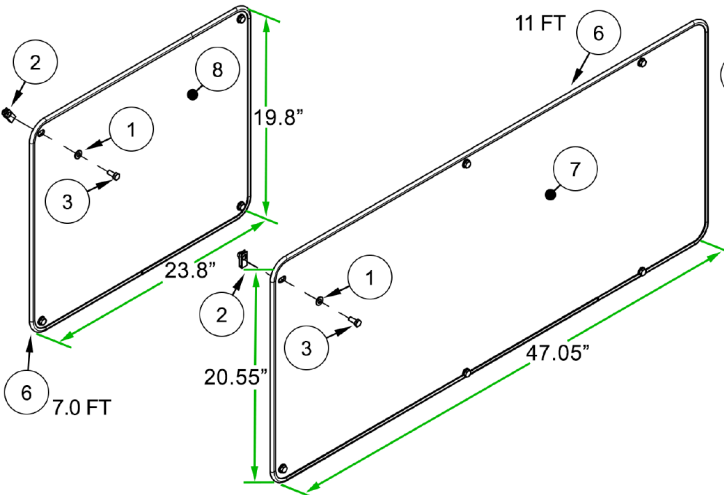
Parts List

ITEM	QTY	PART #	DESCRIPTION
1	14	110069	Washer, 5/16" Flat Sae
2	10	110319	Nut, 5/16-18 U-Type .75l
3	10	110422	Bolt, 5/16-18 X .75
4	4	110423	Bolt, 5/16-18 X 1.0
5	4	110849	Nut, 5/16-18 Rivet Steel
6	18'	200249	Molding, Valve Cover
7	1	261105	Plate, Deweze
8	1	261148	Cover, Hydraulic Tank, Med
9	1	261149	Cover, Valve, Med

264067

REV:

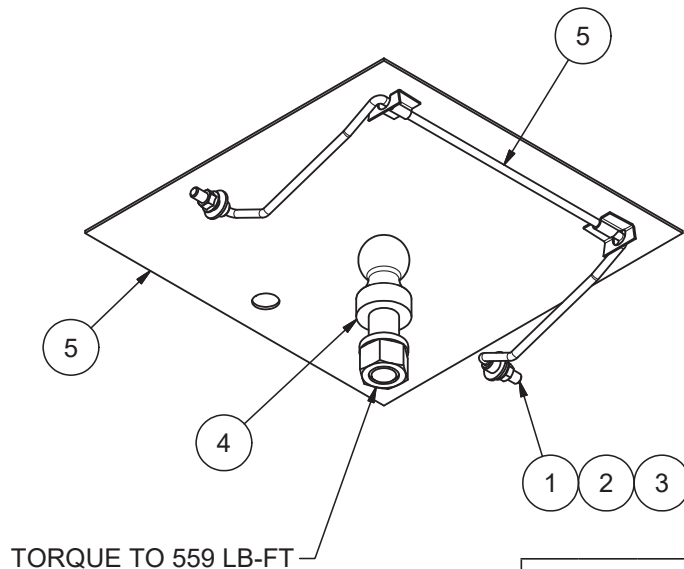
800/900 HEADACHE RACK COVERS (TALL)



Parts List

ITEM	QTY	PART #	DESCRIPTION
1	14	110069	Washer, 5/16" Flat Sae
2	10	110319	Nut, 5/16-18 U-Type .75l
3	10	110422	Bolt, 5/16-18 X .75
4	4	110423	Bolt, 5/16-18 X 1.0
5	4	110849	Nut, 5/16-18 Rivet Steel
6	18'	200249	Molding, Valve Cover
7	1	261317	Cover, Hydraulic Tank, Tall
8	1	261318	Cover, Valve, Tall
9	1	261319	Plate, Deweze, Tall

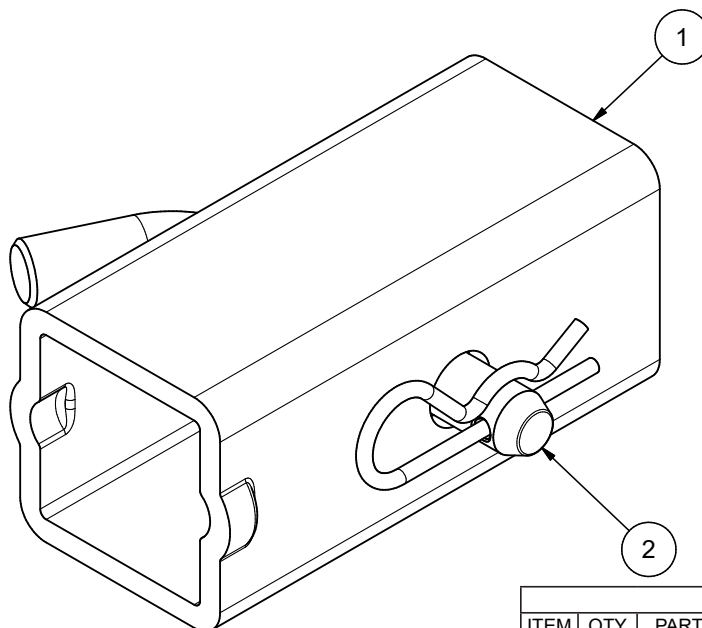
800/900 STANDARD BALL WELL ASSEMBLY



Parts List

ITEM	QTY	PART #	DESCRIPTION
1	2	110244	Bolt, 1/2-1 3 X 1.5 Shcs
2	2	110588	Nut, 1/2-1 3 W/iz Flange
3	2	110658	Washer, 1/2" Flat Standard
4	1	212032	Hitch Ball, 2 5/16 X 1 3/8 X 1 With Hardware
5	1	265172	Weldment, Ball Well Door

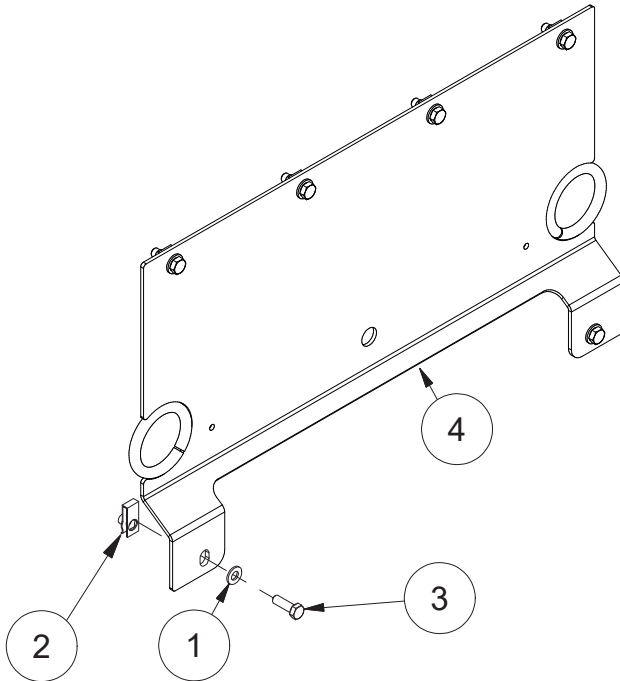
800/900 RECEIVER HITCH ADAPTER KIT



Parts List

ITEM	QTY	PART #	DESCRIPTION
1	1	262004	Adapter Sleeve, 2.5" To 2"
2	1	263006	Hitch Pin Assembly, 5/8"

800/900 REAR PANEL ASSEMBLY

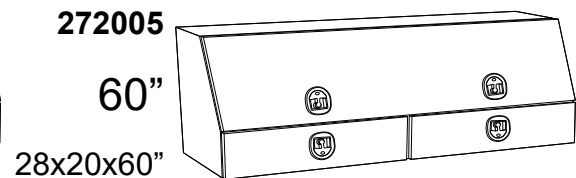
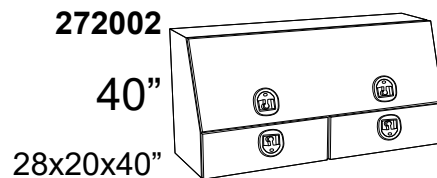
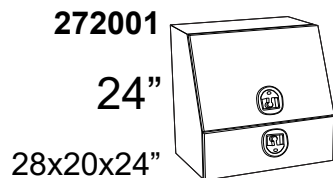


Parts List			KIT: 264006
ITEM	QTY	PART #	DESCRIPTION
1	6	110069	Washer, 5/16" Flat Sae
2	6	110319	Nut, 5/16-18 U-Type .75I
3	6	110423	Bolt, 5/16-18 X 1.0
4	Kit	264006	Weldment, Rear Panel, No Spike

REV:

RT ABOVE BED TOOLBOX SELECTION DETAILS

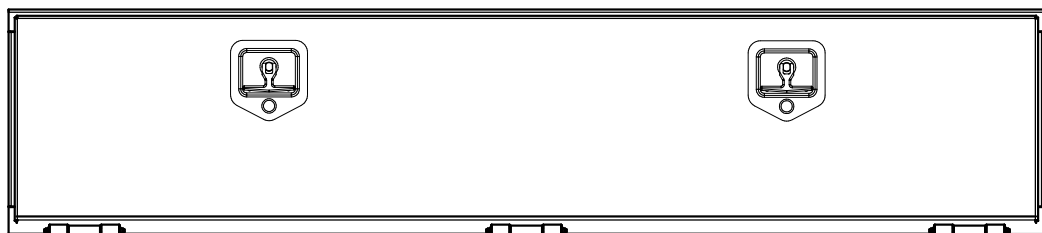
BED MODELS	24" TOOLBOX	40" TOOLBOX	60" TOOLBOX
876	24"	N/A	N/A
879	N/A	40"	N/A
976	24"	N/A	N/A
984	N/A	40"	N/A
988	N/A	40"	60"



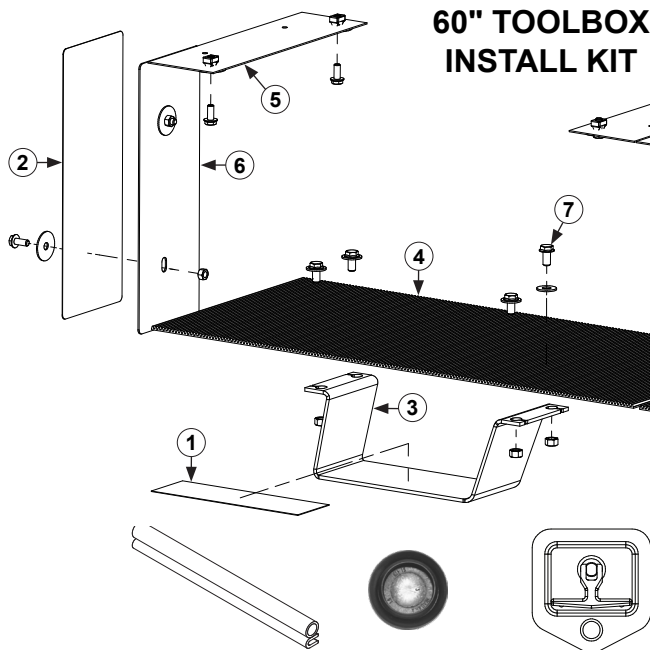
RT BELOW BED TOOLBOX SELECTION DETAILS

BED MODELS	FRONT TOOLBOX	REAR TOOLBOX
876	30"	18"
879	30"	24"
976	30"	18"
984	30"	24"
988	2 x 30" or 60"	24"
XRT 60	30"	XRT 24"
XRT 84	2 x 30" or 60"	XRT 24"

272007
988
60"
60 x 14 x 13.5"



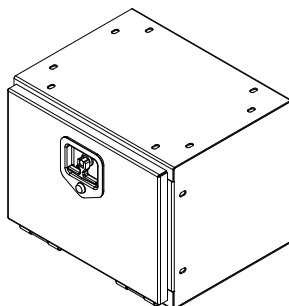
60" TOOLBOX INSTALL KIT



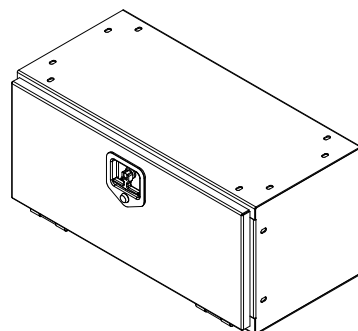
PARTS LIST: 60" Toolbox Install Kit: 264166			
ITEM	QTY	PART #	DESCRIPTION
1	4	100449	Traction Pad, Flex-Tread 2.75" X 0.75'
2	2	202169	Decal, Chip Guard
3	4	211109	Step, Toolbox
4	4	211119	Tool Box Mat
5	8	212003	Gasket, Toolbox Mount
6	2	261014	Plate, Chip Guard
7	1	264167	Kit, Toolbox Hardware, 60in.

PART #	DESCRIPTION
102030	Toolbox Seal (sold by foot)
102053	Plug, Button 1.00
282011	Toolbox Latch

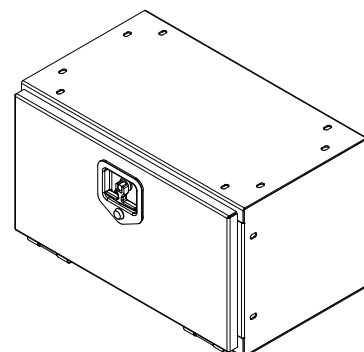
263004
18"
18 x 14 x 13.5"



263001
30"
30 x 14 x 13.5"

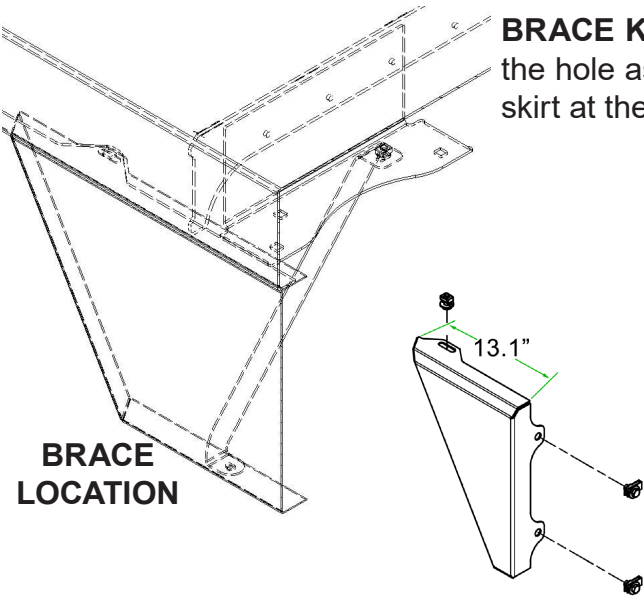


263002
24"
24 x 14 x 13.5"



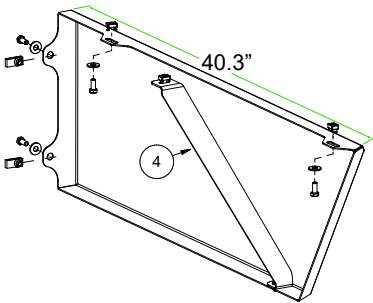
RT SKIRT SELECTION DETAILS

BED MODELS	FRONT (1 TBX)	FRONT (2 TBX)	REAR (w/TBX)	REAR (no/TBX)
876	264062	N/A	264062	264053
879	264062	N/A	264062	264054
976	264062	N/A	264062	264053
984	264062	N/A	264062	264054
988	264088	264049	264062	264054



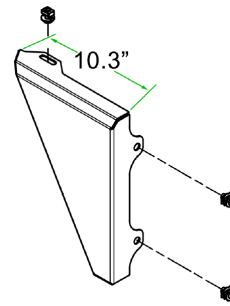
BRACE KITS have been added to shore up rear skirts. Utilize the hole as shown in the image to the left and drill a hole in the skirt at the appropriate place for your alignment.

264062 PARTS LIST			
Item	Qty	Part #	DESCRIPTION
1	1	261117	F DRV, 13.1"
2	1	261118	F PSS, 13.1"
3	1	264048	KIT, FILLER SKIRT HARDWARE

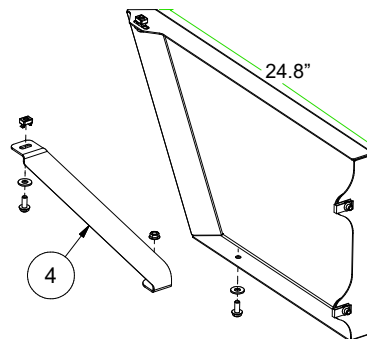


264088 PARTS LIST Rev A			
Item	Qty	Part #	DESCRIPTION
1	1	261294	F DRV, 40.3"
2	1	261295	F PSS, 40.3"
3	1	264105	KIT, FILLER SKIRT HARDWARE
4	1	264135	KIT, SKIRT BRACES

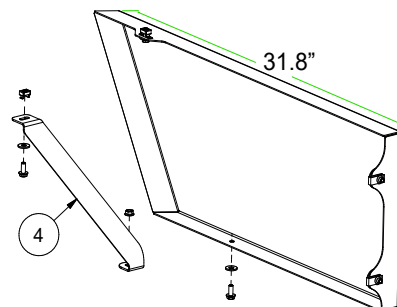
264049 PARTS LIST Rev A			
Item	Qty	Part #	DESCRIPTION
1	1	261115	F DRV or R PSS, 10.3"
2	1	261116	R DRV or F PSS, 10.3"
3	1	264048	KIT, FILLER SKIRT HARDWARE



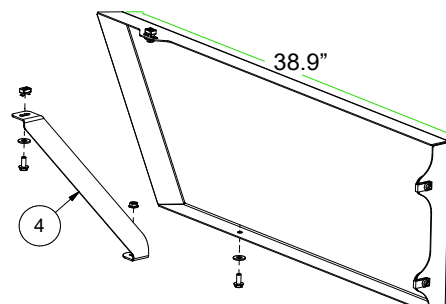
264047 PARTS LIST Rev B			
Item	Qty	Part #	DESCRIPTION
1	1	261123	R DRV, 24.8"
2	1	261124	R PSS, 24.8"
3	1	264048	KIT, FILLER SKIRT HARDWARE
4	1	264135	KIT, SKIRT BRACES



264053 PARTS LIST Rev A			
Item	Qty	Part #	DESCRIPTION
1	1	261132	R DRV, 31.8"
2	1	261133	R PSS, 31.8"
3	1	264048	KIT, FILLER SKIRT HARDWARE
4	1	264135	KIT, SKIRT BRACES

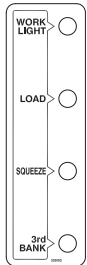
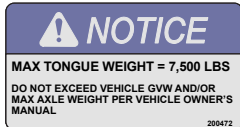
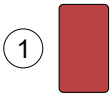
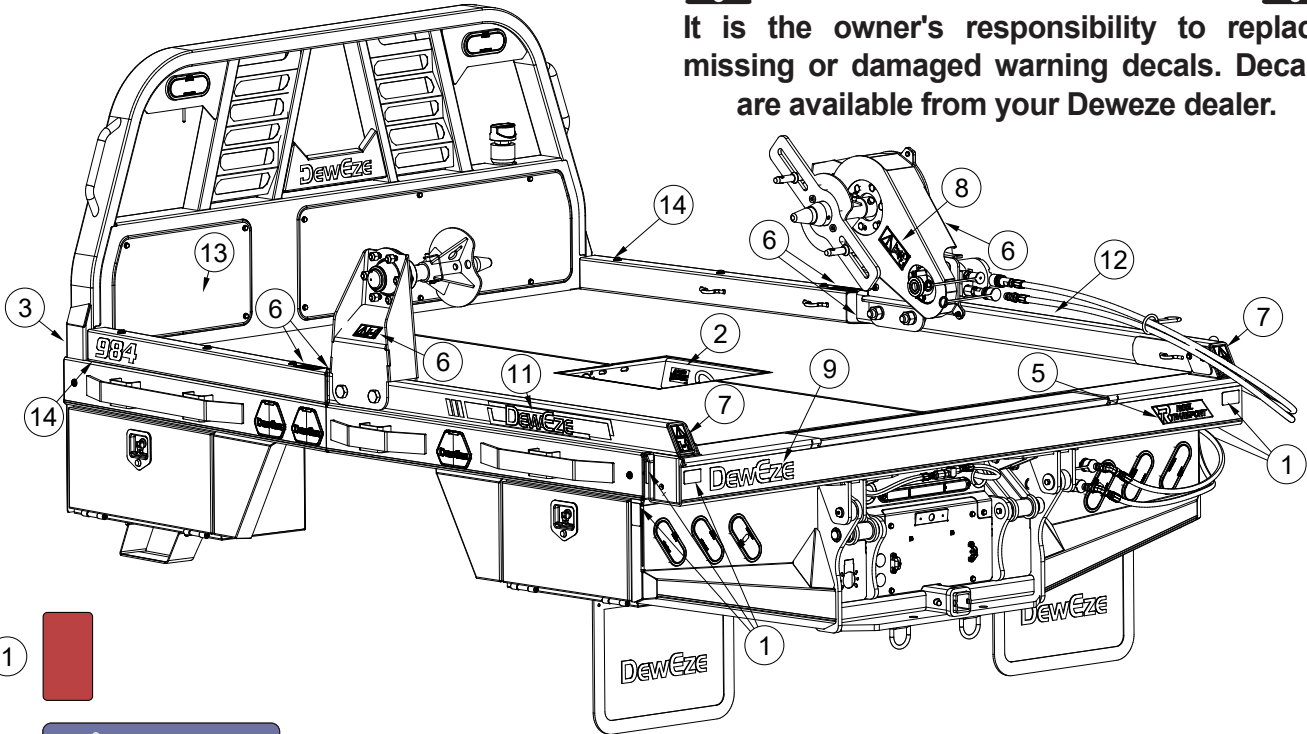


264054 PARTS LIST Rev A			
Item	Qty	Part #	DESCRIPTION
1	1	261184	R DRV, 38.9"
2	1	261185	R PSS, 38.9"
3	1	264048	KIT, FILLER SKIRT HARDWARE
4	1	264135	KIT, SKIRT BRACES



RT DECALS

SAFETY WARNING!
It is the owner's responsibility to replace missing or damaged warning decals. Decals are available from your DeweZe dealer.



9 DeweZe

984

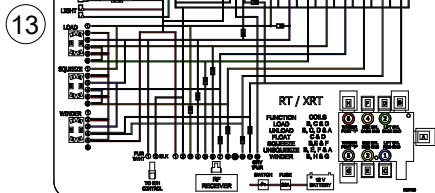
ITEM	QTY	PART #
876	2	202170
879	2	202182
976	2	202171
984	2	202172
988	2	202183



14

11 DeweZe

12 DeweZe



ITEM	QTY	PART #	DESCRIPTION
1	6	200190	Decal, Red Reflector, Rectangle
2	1	200472	Decal, Gooseneck Tongue Weight
3	1	202003	Decal, Switch Identification
4	40"	202093	Pinstripe, -40 Warm Silver
5	1	202117	Decal, "RT Reel Transport"
6	6	202144	Decal, Safe Distance, Horizontal
7	2	202145	Decal, Safe Distance, Vertical
8	2	202146	Decal, Do Not Remove Shield
9	1	202175	Decal, DeweZe
10	1	202180	E/H Decal, Non-Vented Battery Warning
11	1	202184	Decal, "DeweZe" Arm, DRV
12	1	202185	Decal, "DeweZe" Arm, PASS
13	1	202189	Decal, Wiring Diagram, RT/XRT Valve
14	2	See Chart	Decal, Model Numbers

205477

REV:

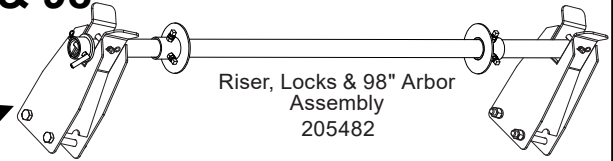
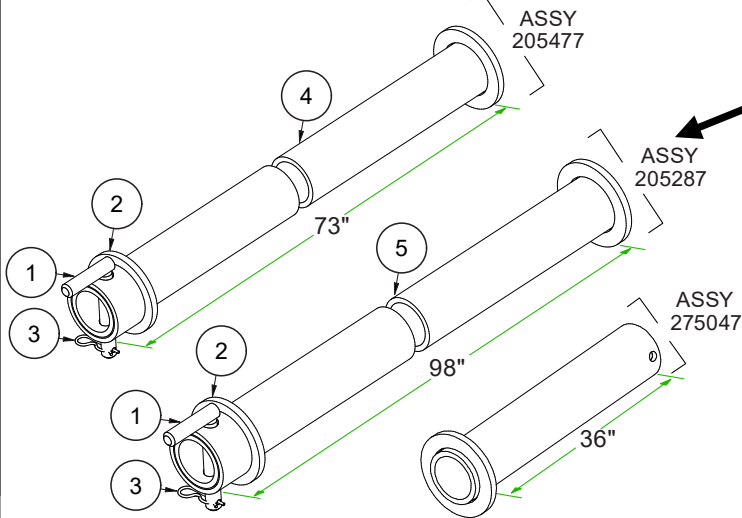
205287

REV: A

275047

REV:

RT & XRT ARBOR ASSEMBLY 73" & 98"



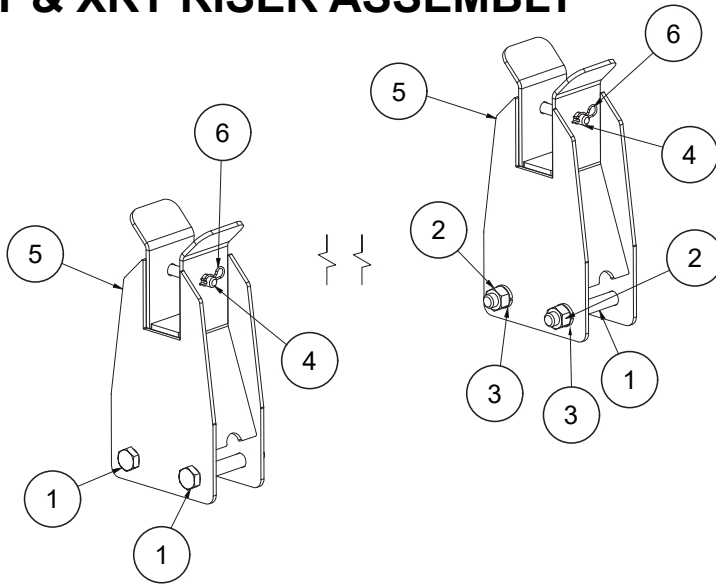
Parts List

ITEM	QTY	PART #	DESCRIPTION
1	1	211172	Weldment, Pin, Reel Transport
2	1	275034	Weldment, Arbor Retainer
3	1	500156	Pin, Hairpin Cotter, 1/8 X 2.375
4	1	215456	Weldment, XRT, Arbor
5	1	215070	Weldment, Shaft, Reel Carrier
	1	205477	73" Arbor Assembly
	1	205287	98" Arbor Assembly
	1	275047	36" RT Narrow Spool Arbor Adapter

205418

REV:

RT & XRT RISER ASSEMBLY



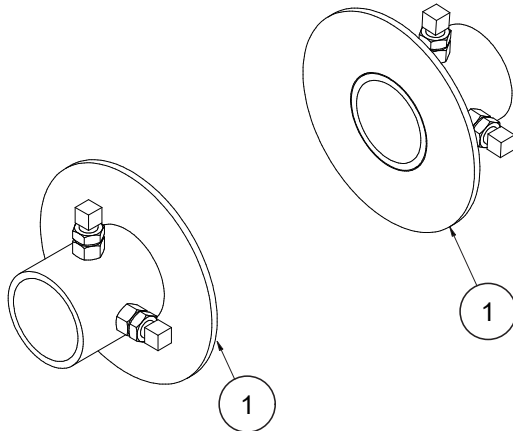
Parts List

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
	1	205418	RT Riser Assembly

205282

REV:

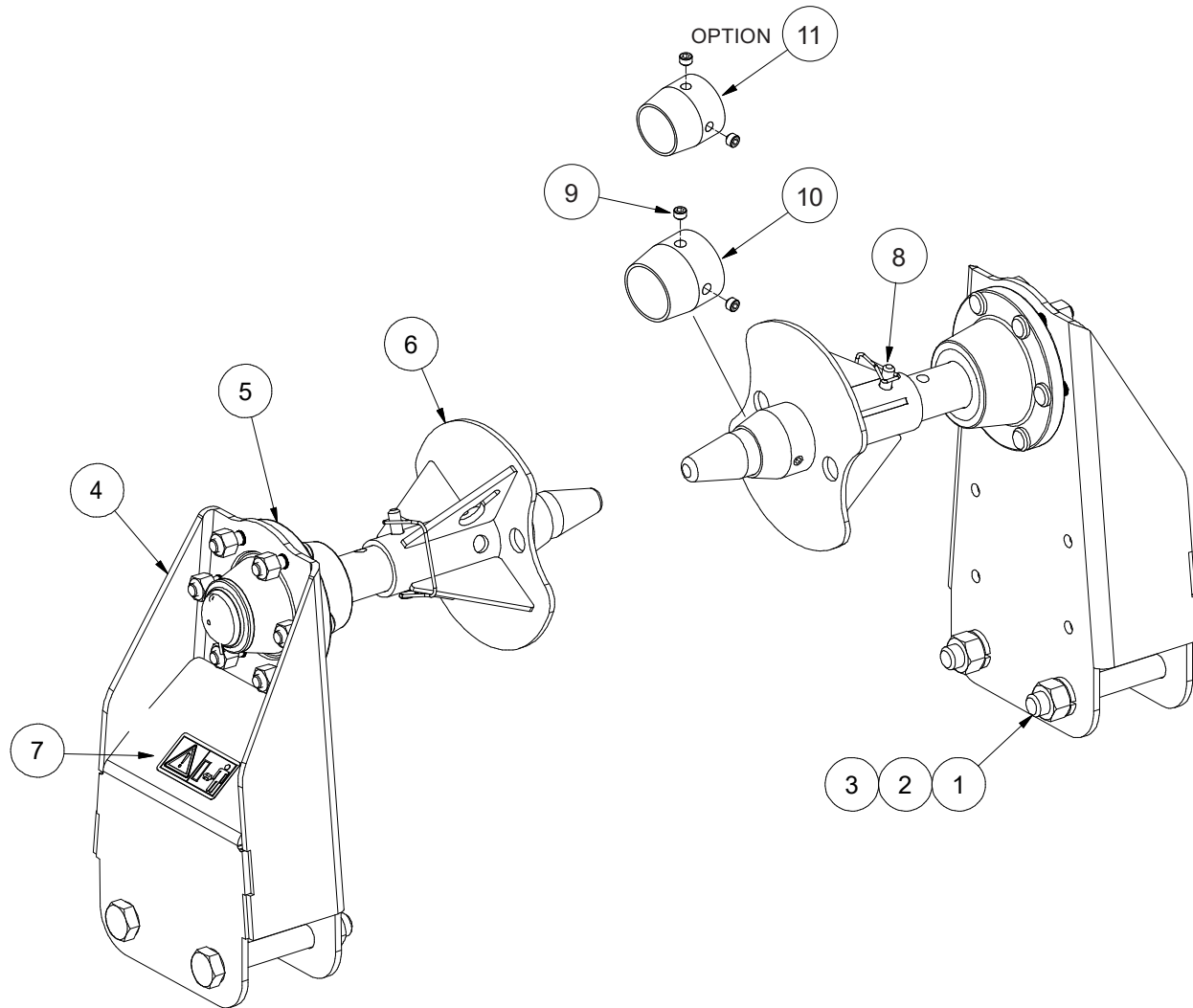
RT & XRT ARBOR LOCKS



Parts List

ITEM	QTY	PART #	DESCRIPTION
1	2	275024	Weldment, Arbor Lock, 3"
		205282	RT Arbor Locks (Pair)

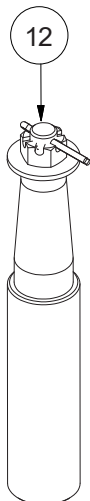
RT SPINNER & RISER ASSEMBLY (PAIR)



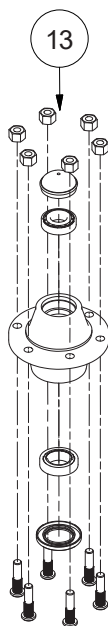
Parts List

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	RT Spindle Riser
5	2	214004	Spindle & Hub Assembly, RT
6	2	214010	Spinner Assembly, RT
7	2	202114	Decal, Safe Distance, Horizontal
8	2	102124	Pin, Lock, .50 x 3, Grade 8, Single Wire
9	4	111174	SetScrew, 1/2-13 X 0.375
10	2	270032	Centering Cone, 3" (Large)
11	Kit	205479	Centering Cones, 2.625" (Small)
12	Kit	205412	Spinner & Riser Assembly (Pair)

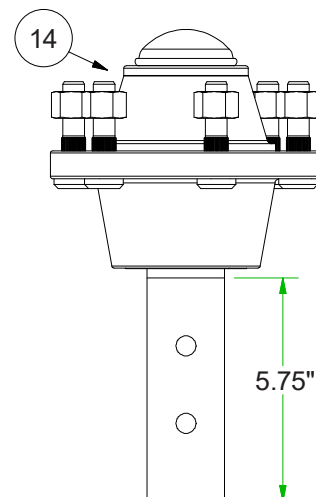
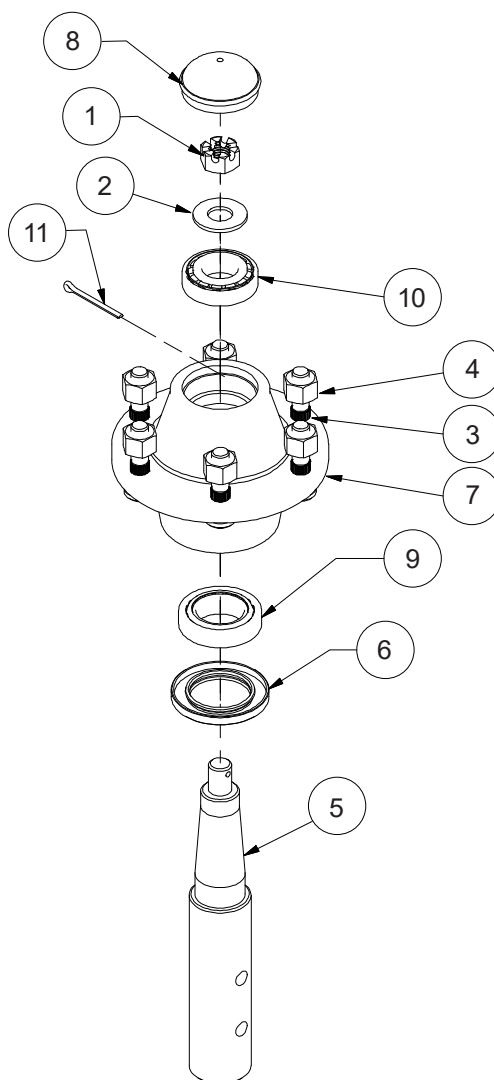
RT SPINDLE & HUB ASSEMBLY



Wheel Spindle Assy		
410512	1ea. (1), 1ea. (2), 1ea. (5), 1ea. (11)	



Wheel Spindle Assy		
413001	6ea. (3), 6ea. (4), 1ea. (6), 1ea. (7) 1ea. (8), 1ea. (9), 1ea. (10)	



5.75"

NOTE: While rotating the hub 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 hub, 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.

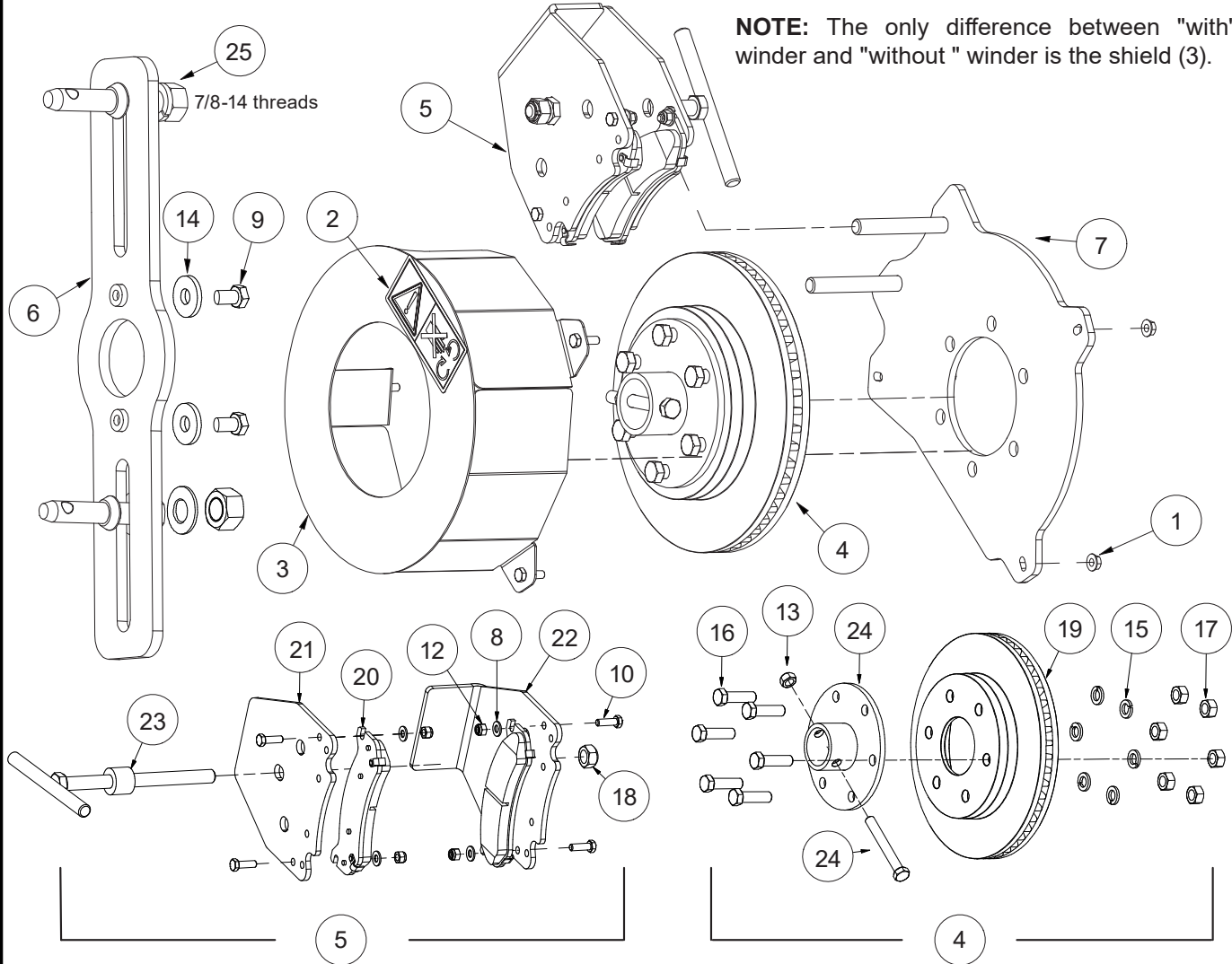
NOTE: Pack bearing cones and lubricate seal lip with grease before assembly.

Parts List

ITEM	QTY	PART #	DESCRIPTION
1	1	110613	Nut, Castle 3/4 - 16
2	1	111230	Washer, 3/4" Flat Standard Gr 8
3	6	113006	Stud, 9/16-18
4	6	113007	Nut, 9/16-18
5	1	410040	Spindle 35-6LM-S
6	1	410105	Seal
7	1	410111	Hub 6x6
8	1	410112	Dust Cap
9	1	410114	Inner Bearing 2.891 x .58
10	1	410115	Outer Bearing 2.328 x .465
11	1	510175	Cotter Pin, 3/16 x 2
12	Kit	410512	Wheel Spindle ASSY
13	Kit	413001	Hub ASSY
14	Kit	214004	Spindle & Hub ASSY

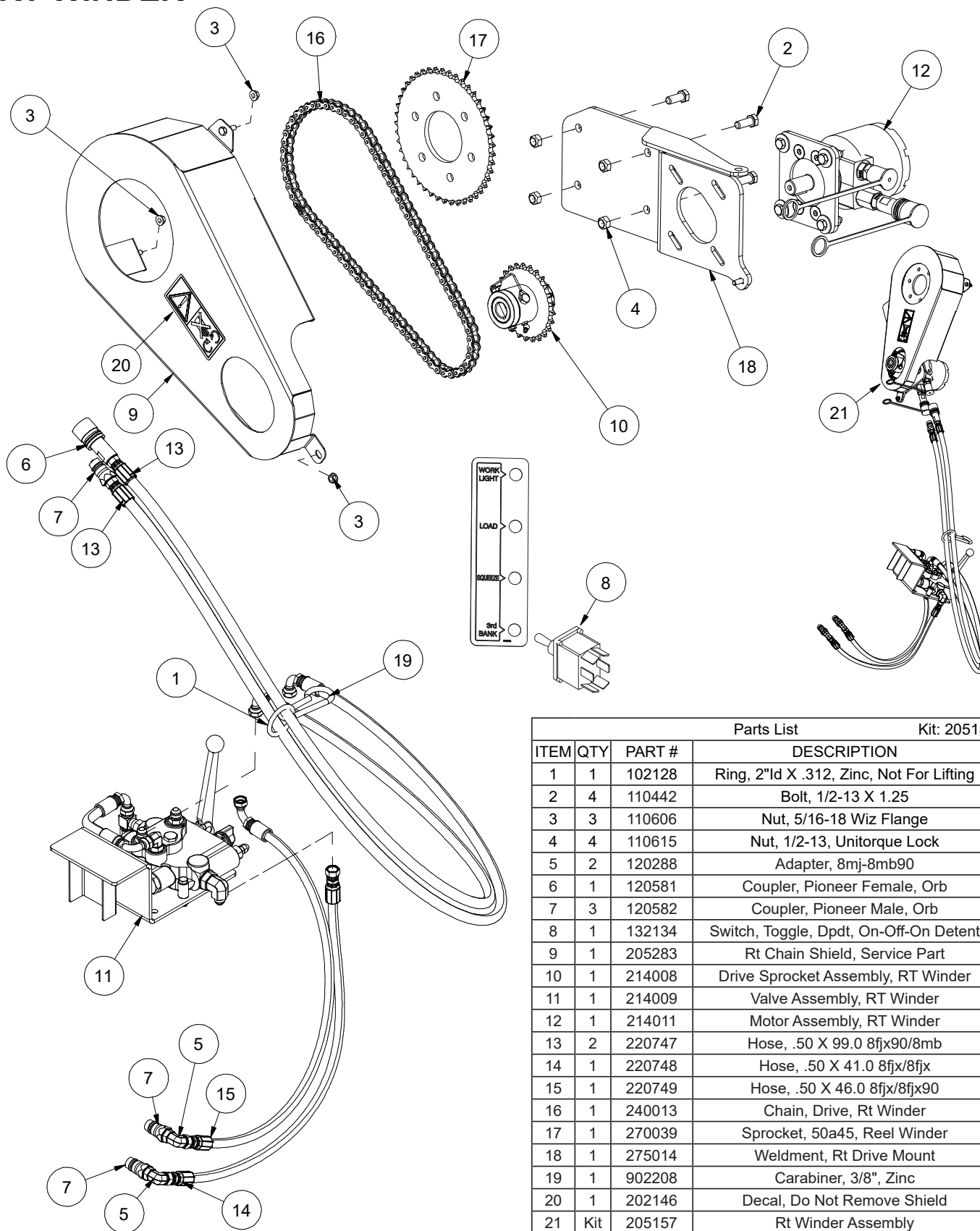
RT BRAKE

NOTE: The only difference between "with" winder and "without" winder is the shield (3).



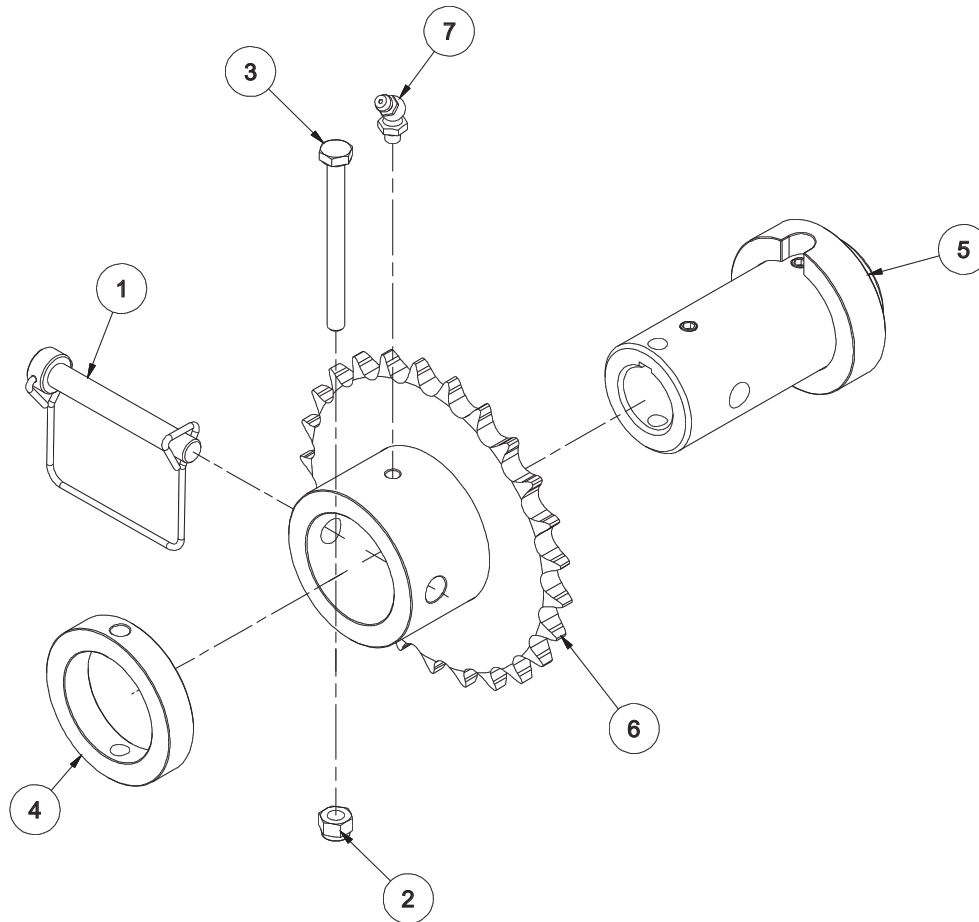
Parts List				Parts List			
ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	3	110606	Nut, 5/16-18 W/ Flange	15	6	110937	Washer, M14 Lock
2	1	202146	Decal, Do Not Remove Shield, 5.50 X 2.50	16	6	111177	Hex Cap 9-16x2 Unc
3	1	205284	Brake Shield (W/O Winder)	17	6	111178	Nut, 9/16-12, Gr 5, Zinc
4	1	214005	Brake Rotor Assembly, Rt	18	1	111266	Nut, 5/8-18, Lock Automation Gr C, Zinc
5	1	214006	Brake Pad Holder Assembly, Rt	19	1	242011	Brake Rotor, Rt
6	1	214007	Anti Spin Bar Assembly, Rt	20	2	242012	Brake Pad, Rt
7	1	275025	Weldment, Rt Brake Mount	21	1	270017	Brake Pad Holder, Outer
8	4	110069	Washer, 5/16" Flat Sae	22	1	275016	Weldment, Rt Brake Pad Holder
9	2	110086	Bolt, 1/2-13 X 1.0	23	1	275017	Weldment, Rt Brake Handle
10	4	110423	Bolt, 5/16-18 X 1.0	24	1	275018	Weldment, Disc Brake Rotor Mount
11	1	110564	Bolt, 1/2-13 X 4, Gr8	25	2	910002	3-Point Pin W/ Hardware
12	4	110603	Nut, 5/16-18 Lock (Nylon)			Kit 205298	RT Bake W/Winder Assembly
13	1	110615	Nut, 1/2-13, Unitorque Lock			Kit 205156	RT Bake W/Out Winder Assembly
14	2	110660	Washer, 1/2" Flat Special 1 1.50d				

RT WINDER



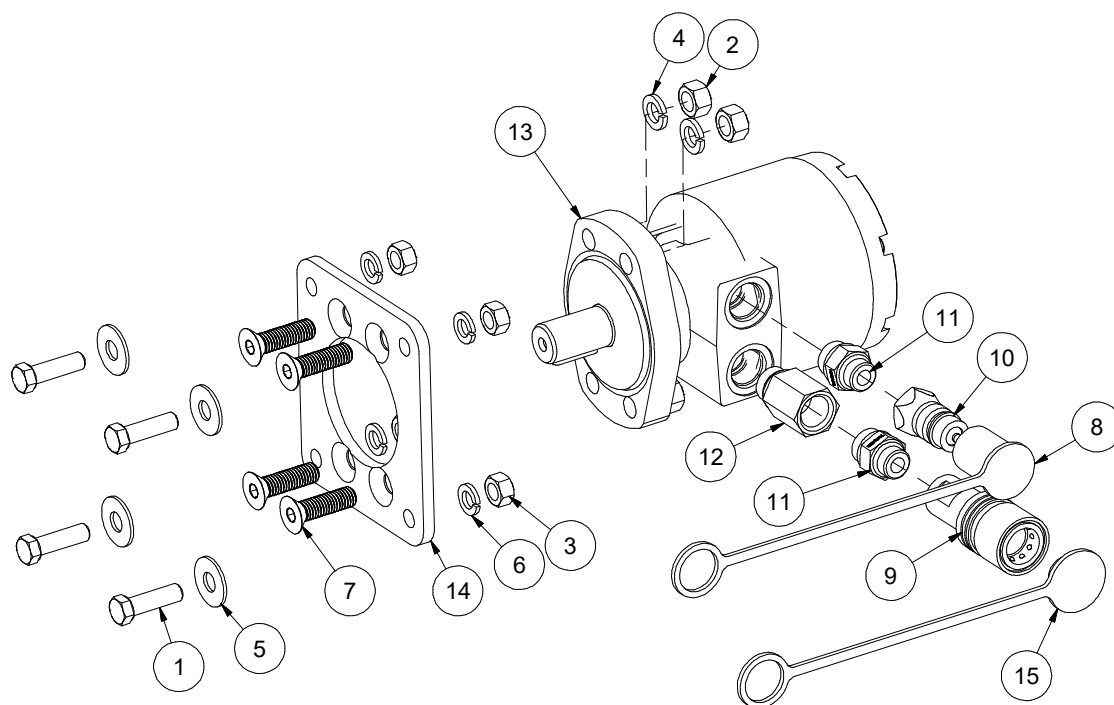
Parts List				Kit: 205157
ITEM	QTY	PART #	DESCRIPTION	
1	1	102128	Ring, 2"ld X .312, Zinc, Not For Lifting	
2	4	110442	Bolt, 1/2-13 X 1.25	
3	3	110606	Nut, 5/16-18 WIZ Flange	
4	4	110615	Nut, 1/2-13, Unitorque Lock	
5	2	120288	Adapter, 8mj-8mb90	
6	1	120581	Coupler, Pioneer Female, Orb	
7	3	120582	Coupler, Pioneer Male, Orb	
8	1	132134	Switch, Toggle, Dpdt, On-Off-On Detent	
9	1	205283	Rt Chain Shield, Service Part	
10	1	214008	Drive Sprocket Assembly, RT Winder	
11	1	214009	Valve Assembly, RT Winder	
12	1	214011	Motor 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	
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	
21	Kit	205157	Rt Winder Assembly	

RT WINDER: DRIVE SPROCKET ASSEMBLY



Parts List			
ITEM	QTY	PART #	DESCRIPTION
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
	Kit	214008	Drive Sprocket Assembly

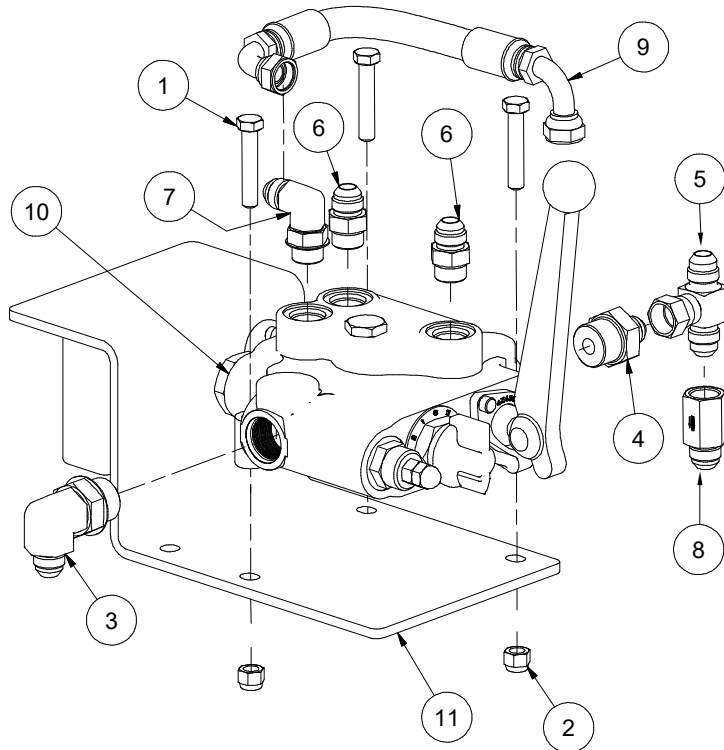
RT WINDER: DRIVE MOTOR ASSEMBLY



Parts List

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
	Kit	214011	Drive Motor Assembly

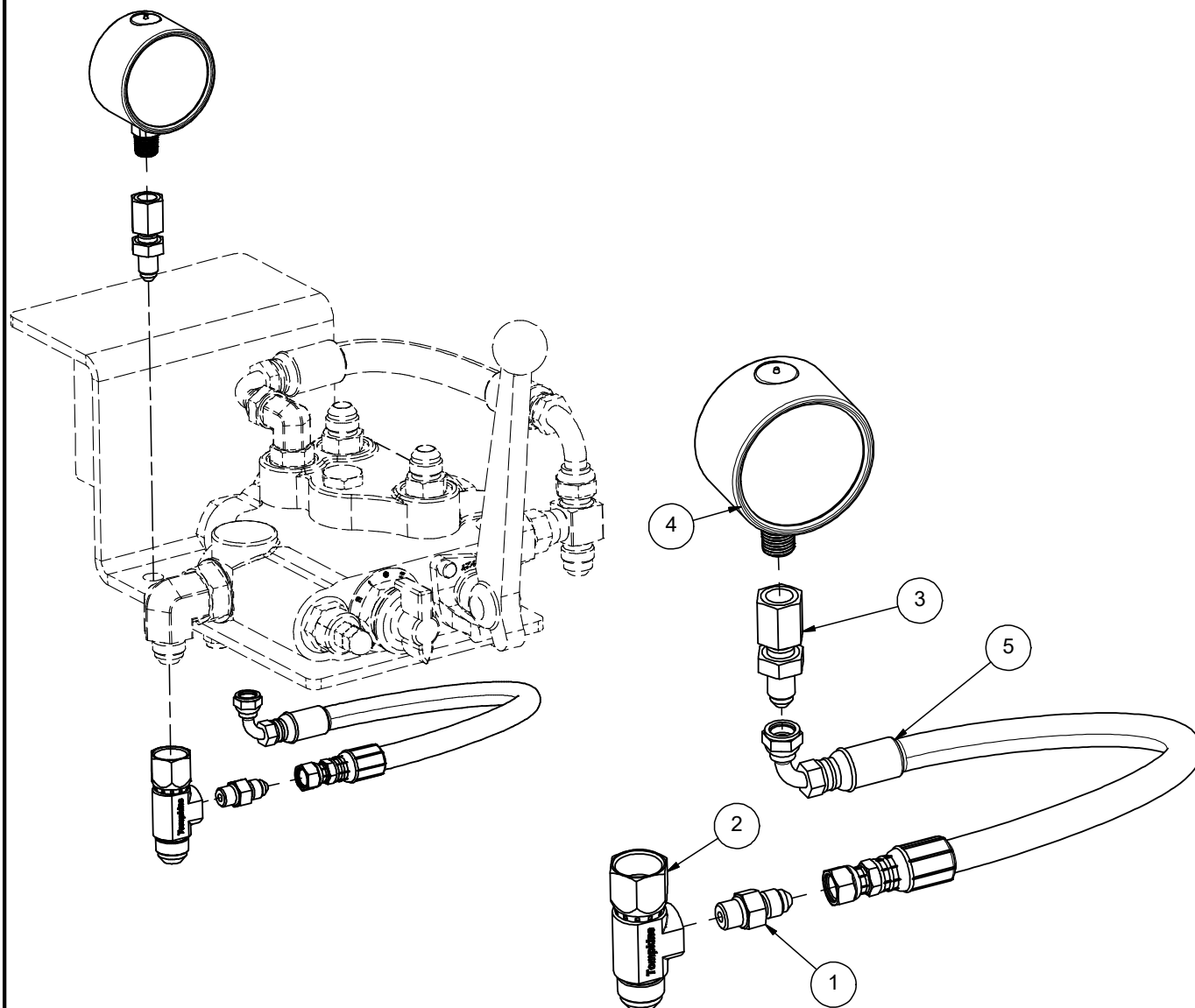
RT WINDER: VALVE ASSEMBLY



Parts List

ITEM	QTY	PART #	DESCRIPTION
1	3	110400	Bolt, 3/8-16 X 2.0
2	3	110618	Nut, 3/8-16 Lock Nylon Insert
3	1	120246	Adapter, 8mj-12mb90
4	1	120252	Adapter, 8mj-12mb
5	1	120270	Adapter, 8mj-8mj-8fjx
6	2	120277	Adapter, 8mj-8mb
7	1	120288	Adapter, 8mj-8mb90
8	1	120535	Valve, Check, 8fj-8mj
9	1	220746	Hose, .50 X 10.0 8fjx90/8fjx90
10	1	223072	Valve, Spool, 1 Bank W/Flow Control
11	1	275021	Weldment, Rt Valve Mount, Stake Pocket
	Kit	214009	Valve Assembly

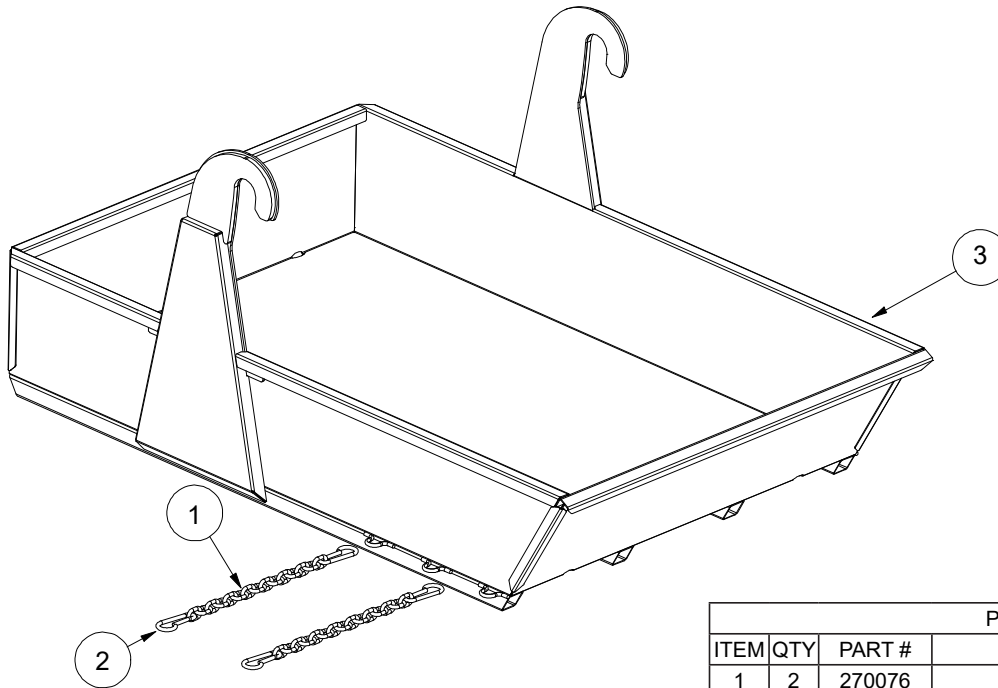
RT PRESSURE GAUGE OPTION



Parts List

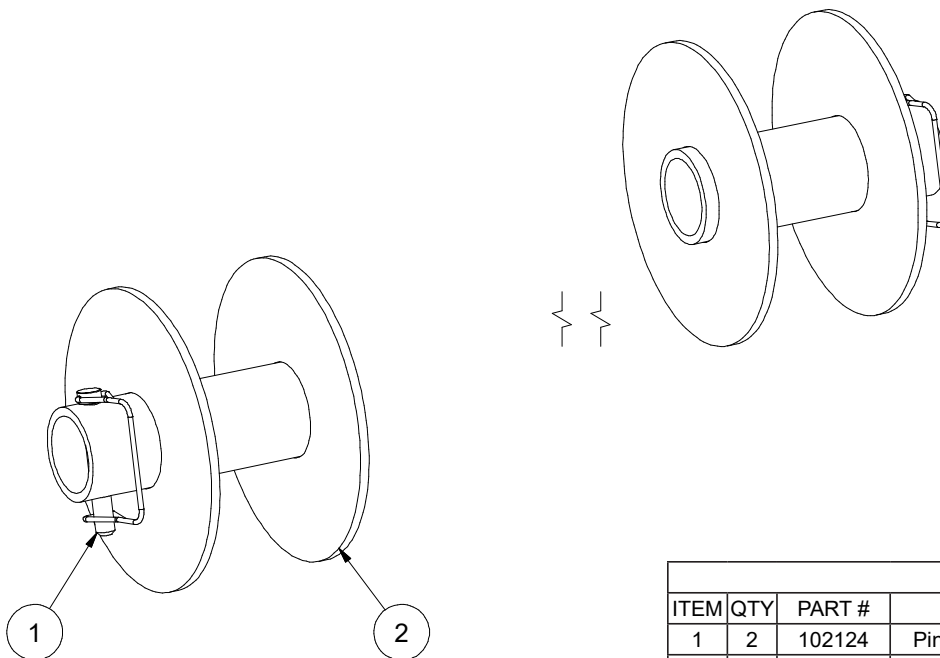
ITEM	QTY	PART #	DESCRIPTION
1	1	120233	ADAPTER, 4MJ-4MB
2	1	120679	Adapter, 8FJX-8MJ-4FB
3	1	120736	Adapter, 4mj-4fp, Bulkhead, w/LN
4	1	120737	Pressure Gauge, 2.5in, 3000 psi
5	1	220750	Hose, .24 x 14.0 4fjx/4fjx90m

RT DUMP BOX



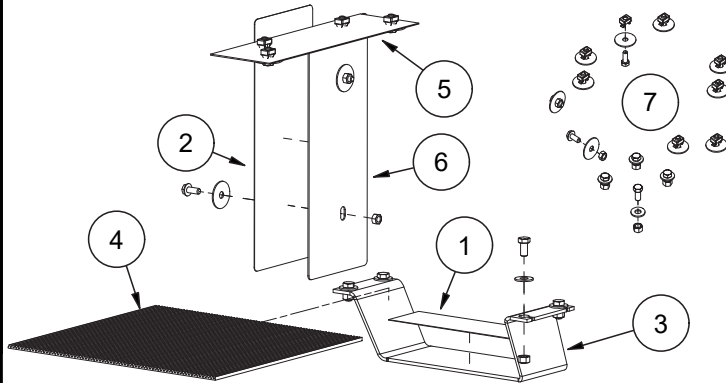
Parts List			Kit: 205378
ITEM	QTY	PART #	DESCRIPTION
1	2	270076	Chain, 3/8 Coil, 15 Links
2	4	902208	Carabiner, 3/8", Zinc
3	Kit	205378	RT Dump Box Assy

RT DUMP BOX SPINNER



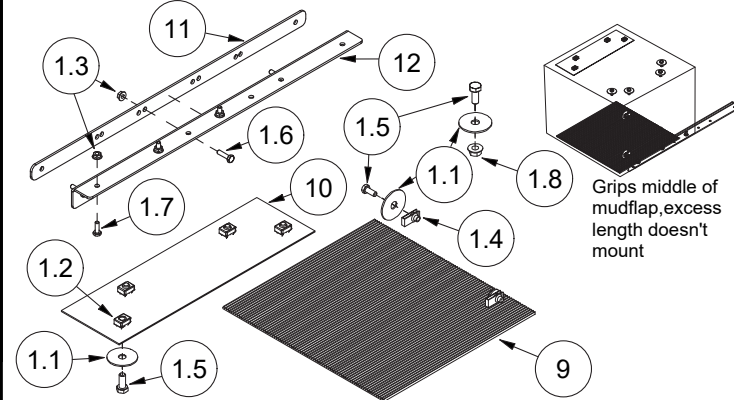
Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	2	102124	Pin, Lock, .50 x 3, Grade 8, Single Wire
2	2	275029	Single, RT Dump Box Spinner
	Kit	205383	RT Dump Box Spinners Assembly

FRONT TOOLBOX INSTALL KIT



Parts List			Kit: 264044
ITEM	QTY	PART #	DESCRIPTION
1	2	100449	Traction Pad, Flex-Tread 2.75" X 0.75'
2	2	202169	Decal, Chip Guard
3	2	211109	Step, Toolbox
4	2	211119	Tool Box Mat
5	4	212003	Gasket, Toolbox Mount
6	2	261014	Plate, Chip Guard
7	1	264045	Kit, Toolbox Hardware, Front

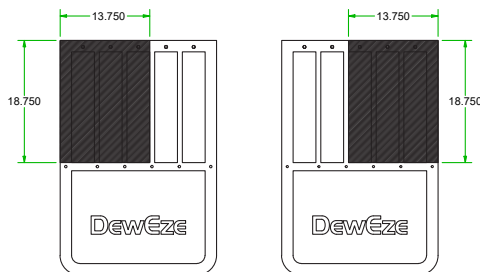
REAR TOOLBOX INSTALL KIT



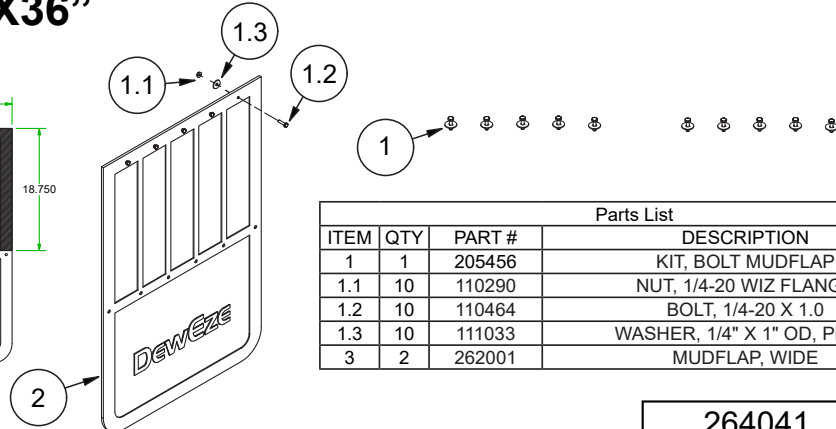
Parts List			Kit: 264050
ITEM	QTY	PART #	DESCRIPTION
1	1	264173	Hardware Kit, Toolbox Installation
1.1	20	110049	Washer, 5/16" X 1 1/2 Fender
1.2	8	110258	Nut, 5/16-18, Cage Tinnerman
1.3	12	110290	Nut, 1/4-20 Wiz Flange
1.4	4	110319	Nut, 5/16-18 U-Type .75I
1.5	20	110444	Bolt, 5/16-18 X .75 Wiz Flange
1.6	6	110464	Bolt, 1/4-20 X 1.0
1.7	6	110561	Bolt, 1/4-20 X .75
1.8	8	110606	Nut, 5/16-18 Wiz Flange
9	2	211119	Tool Box Mat
10	2	212003	Gasket, Toolbox Mount
11	2	261011	Backer Plate, Long
12	2	261203	Bracket, Mudflap, Wide

MUDFLAP, WIDE 24X36"

Mudflaps still mount to stringer
(above toolbox)

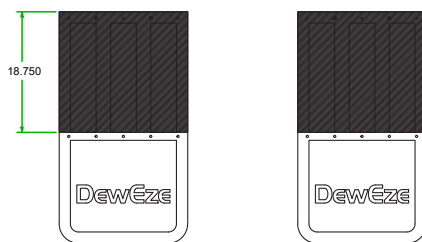


Cut and remove shaded areas for rear toolboxes

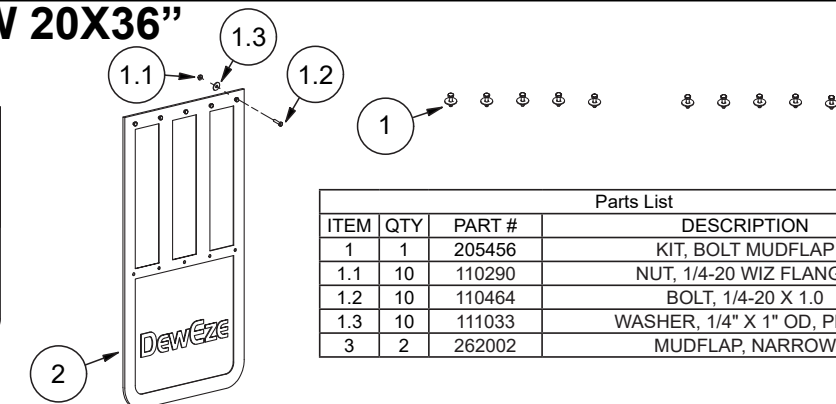


Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	1	205456	KIT, BOLT MUDFLAP
1.1	10	110290	NUT, 1/4-20 WIZ FLANGE
1.2	10	110464	BOLT, 1/4-20 X 1.0
1.3	10	111033	WASHER, 1/4" X 1" OD, PLAIN
3	2	262001	MUDFLAP, WIDE

MUDFLAP, NARROW 20X36"

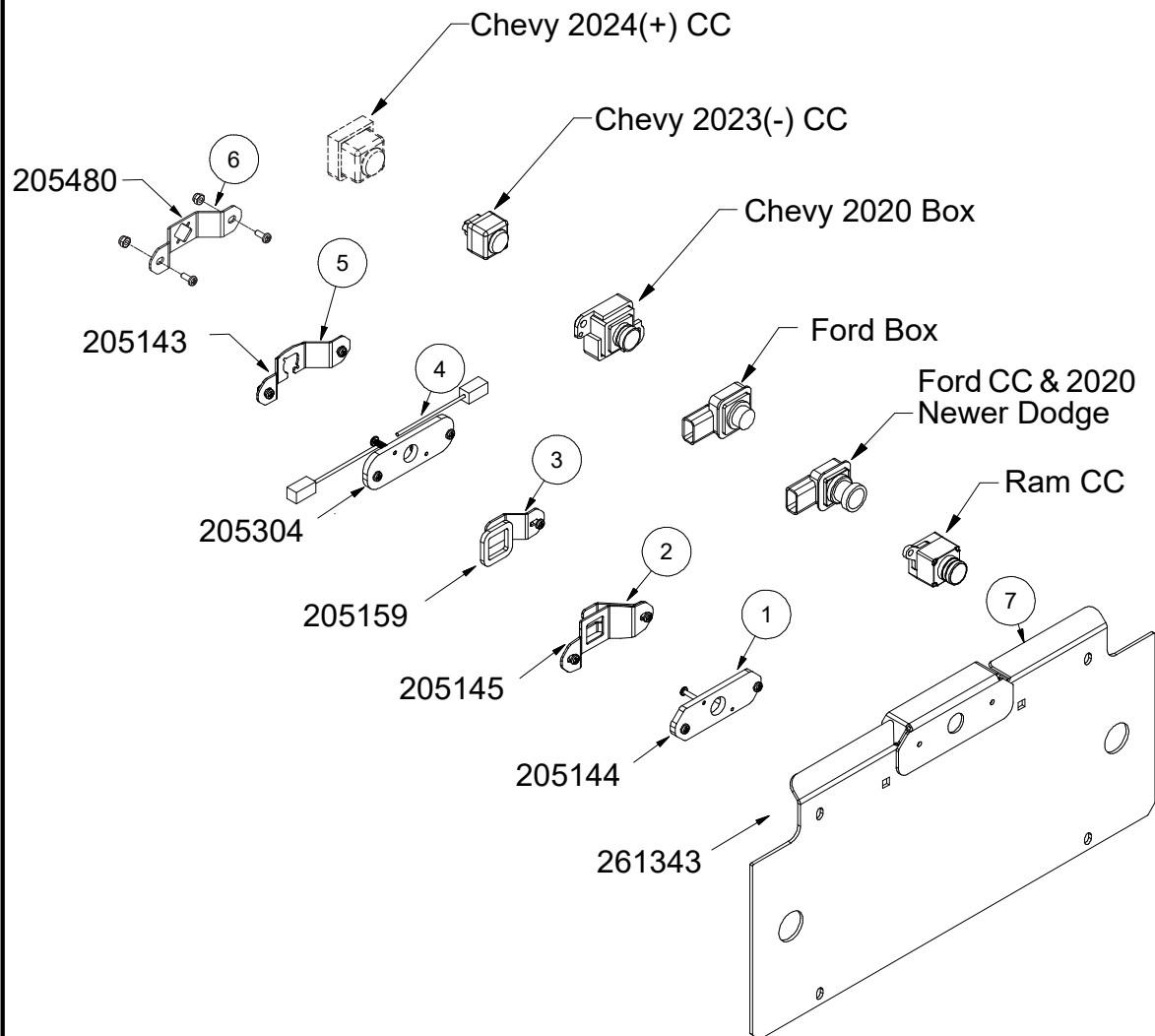


Cut and remove shaded areas for rear toolboxes



Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	1	205456	KIT, BOLT MUDFLAP
1.1	10	110290	NUT, 1/4-20 WIZ FLANGE
1.2	10	110464	BOLT, 1/4-20 X 1.0
1.3	10	111033	WASHER, 1/4" X 1" OD, PLAIN
3	2	262002	MUDFLAP, NARROW

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.

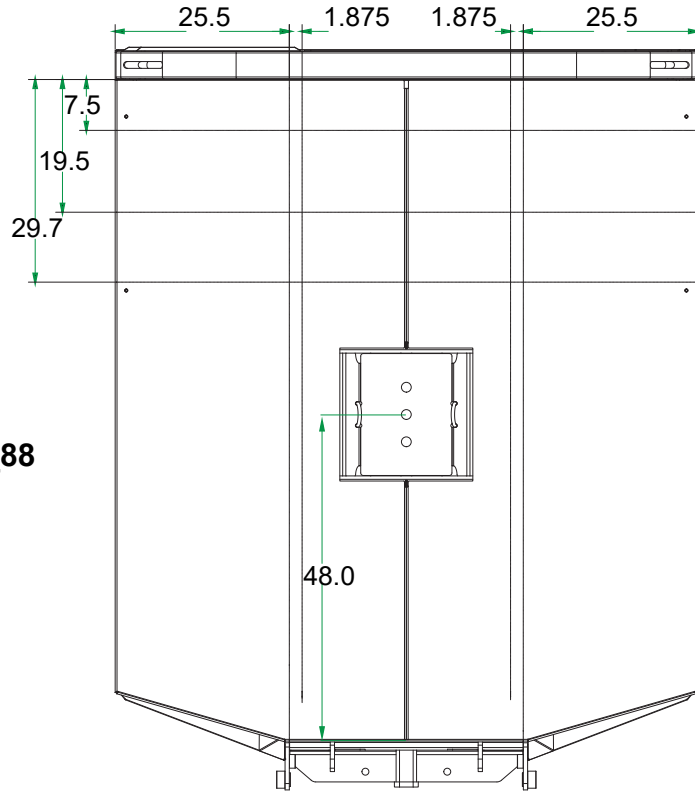
Item	Qty	Part #	DESCRIPTION
1	1	205144	Dodge/Ram CC Camera Mount Kit
2	1	205145	Ford Camera & Dodge 2020+ Mount Kit
3	1	205159	Ford Box Take-Off Camera Mount Kit
4	1	205304	Chevy/ GM 2020 Box Take-Off Camera Mount Kit
5	1	205143	Chevy/GM CC 2023- Camera Mount Kit
6	1	205480	Chevy/GM CC 2024+ Camera Mount Kit
7	1	261343	Camera Mount Weldment

BED MOUNTING KITS

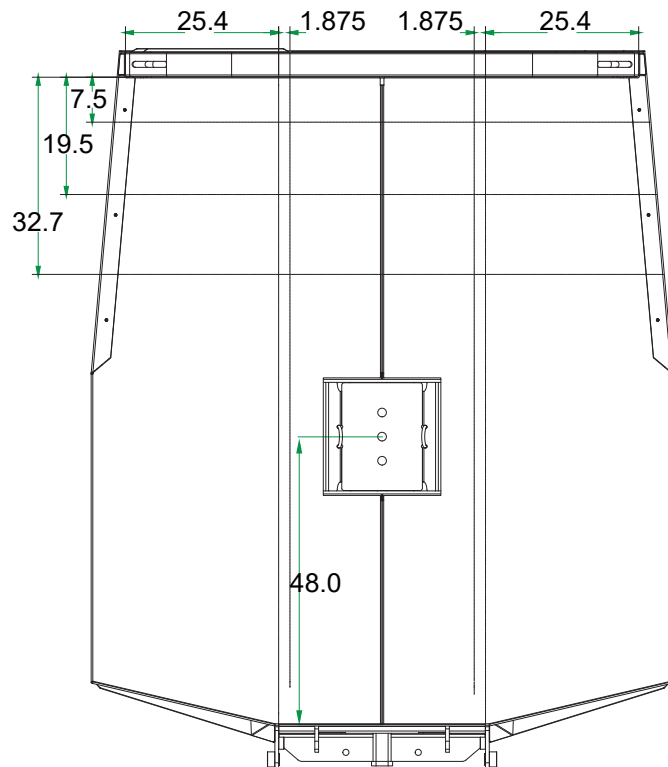
MAKE	PART #	YEAR	DESCRIPTION
FORD	205435	2017+	Ford BTO 871, 876, 976
	205441	1996-2016	Ford BTO 871
	205432	1999-2016	Ford BTO 876, 976
	205459	2017+	Ford Cab-Chassis 879, 984
	205460	1999-2016	Ford Cab-Chassis 879, 984
	205461	2017+	Ford Cab-Chassis 988
	205462	1999-2016	Ford Cab-Chassis 988
CHEVY GMC	205453	2020+	Chevy BTO 871
	205451	2011-2019	Chevy BTO 871
	205468	2000-2010	Chevy BTO 871
	205452	2020+	Chevy BTO 876, 976
	205440	2011-2019	Chevy BTO 876, 976
	205442	2000-2010	Chevy BTO 876, 976
	205458	2011+	Chevy Cab-Chassis 984
	205465	2000-2010	Chevy Cab-Chassis 984
	205463	2011+	Chevy Cab-Chassis 988
	205466	2019+	Chevy Cab-Chassis 984 (4500-6500)
	205467	2019+	Chevy Cab-Chassis 988 (4500-6500)
DODGE RAM	205434	2019+	Dodge BTO 870
	205437	2014-2018	Dodge BTO 870
	205469	2003-2013	Dodge BTO 870
	205439	2003-2013	Dodge BTO 876, 976
	205433	2019+	Dodge (3500) BTO 876, 976
	205436	2014+	Dodge (2500) BTO 876, 976
	205438	2014-2018	Dodge (3500) BTO 876, 976
	205455	2007+	Dodge Cab-Chassis 879, 984
	205457	2007+	Dodge Cab-Chassis 988
Misc.	205029		Yellow Bag & Contents (<i>applicable to older truck models not listed above</i>)

BED STRINGER MEASUREMENTS

STRINGERS FOR: _79, _84, _88



STRINGERS FOR: _76

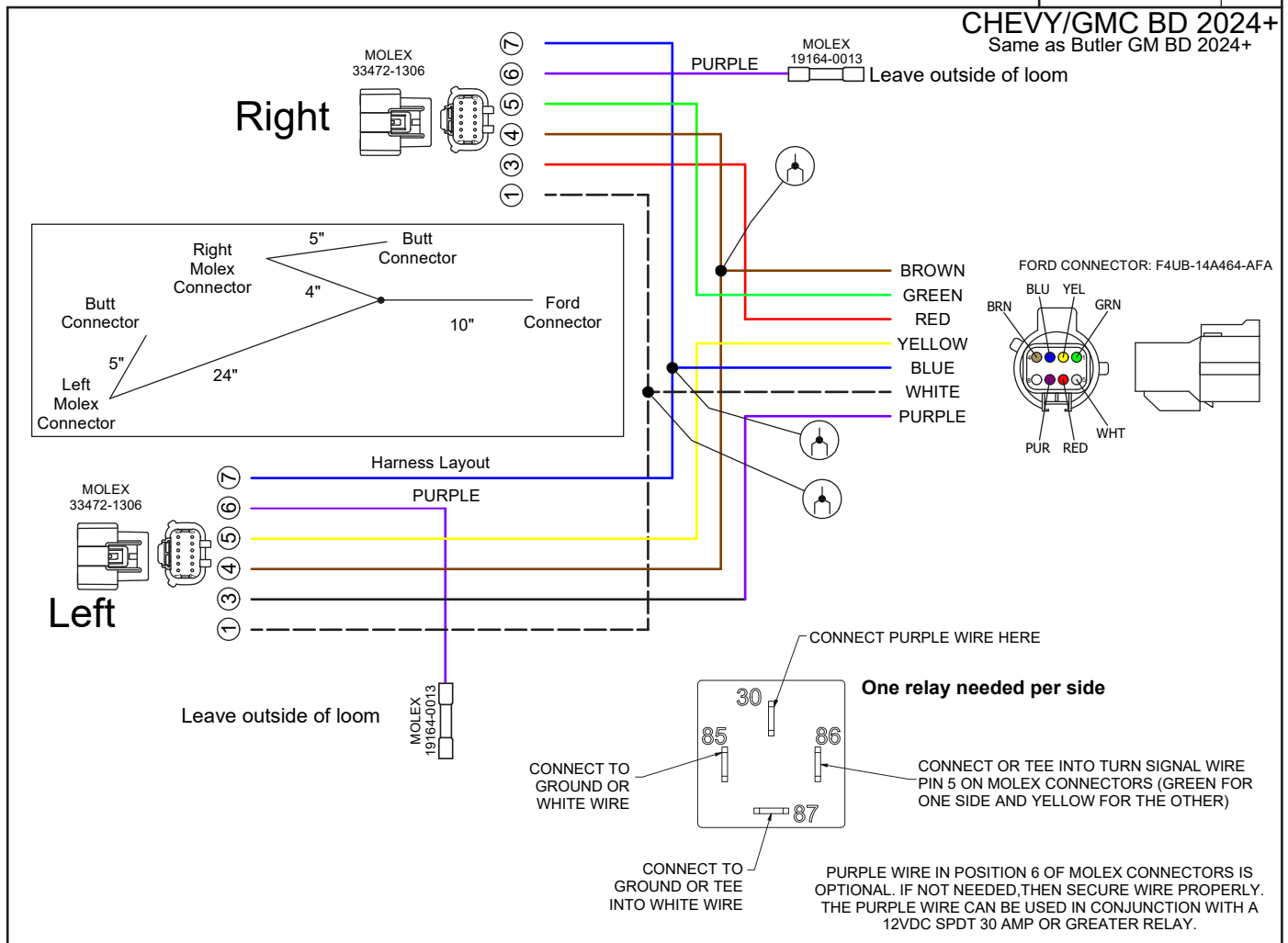


SERVICE TROUBLESHOOTING

232238

REV: A

CHEVY/GMC BD 2024+
Same as Butler GM BD 2024+



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