OLT 38 B

Parts Manual

HOGG & DAVIS, Inc.

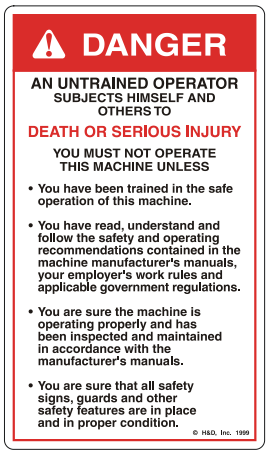
The information, specifications, and illustrations in this manual are on the basis of information available at the time it was written. The specifications, torque values, pressures of operation, measurements, adjustments, illustrations, and other items can change at any time. These changes can affect the service of the given product.
For the complete and most current information, contact:

Hogg & Davis, Inc
P.O. Box 405 / 3800 Eagle Loop
Odell, OR 97044-0405
541-354-1001
541-354-1080 Fax

For most recent manual version please visit:
www.hoggdavis.com

ver. 1.0

Product Warnings



These warning labels and others like it are placed in critical areas of the machine. The warnings are to be read and fully understood prior to operation of the unit.

General Specifications

This unit is designed to tension overhead cable/conductor at a constant.

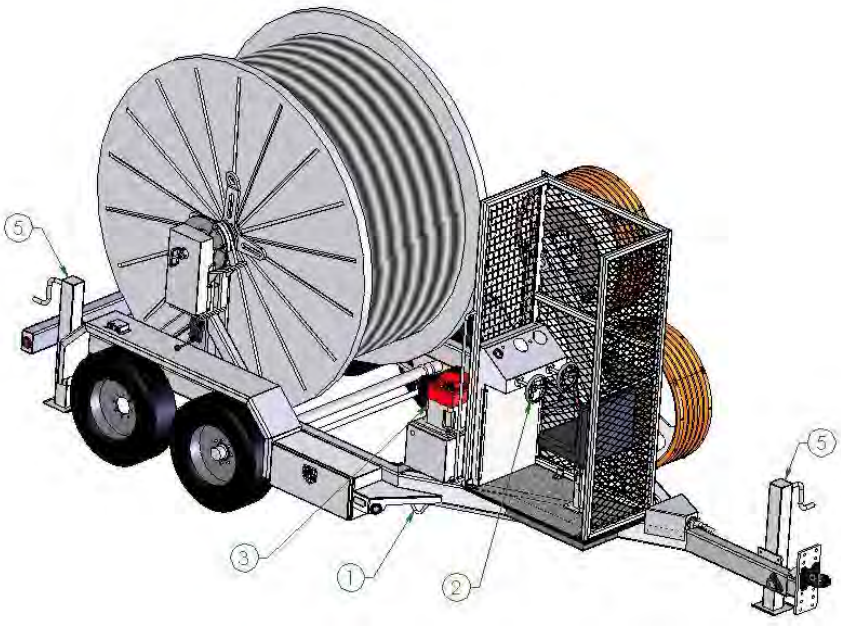
- 38 inch 5 Groove Bull wheels
- 1.5 inch Groove
- 3000 lbs Maximum Tension
- 90” X 56” Maximum Reel Diameter
- 10,000 lb Maximum Reel Capacity
- Manual Jack stands (2) Rear – (1) Tongue
- Manual Rewind

Operating Instructions

All persons operating this machine must read and understand this manual as well as the operating, danger, and warning decals placed on the machine. Failure to read and understand these items subjects the operator and others to **DEATH or SERIOUS INJURY**.

Operators shall make themselves familiar with the placement of the following operating and safety features of the machine.

- Trailer Tie Downs (1)
- Bull wheel Pressure / Tension Control (2)
- Engine Controls (optional) (3)
- Hydraulic / Manual Rewind System (optional) (4)
- Manual Jack stands (standard) (5)
- Hydraulic Jack stands (optional) (5)
- Grounding Lugs and their placement on Machine (visual inspection)



LOADING INSTRUCTIONS

ALL REELS TO BE LOADED FOR PAYOUT UNDERNEATH THE REEL. PAYOUT OF CONDUCTOR OVER THE TOP OF THE REEL MAY CAUSE DAMAGE TO THE CONDUCTOR.

1. Position trailer so that forklift or crane can be easily positioned.
2. Position reel drive pin assembly so that the lifting eye and removable pin are in the top position and apply brake.
3. Remove retaining pin from both the reel drive pin assembly and the dumb end of the mandrel shaft pocket.
4. Remove entire shaft and drive pin assembly by lifting up.
5. Remove Nylatron bearing from dumb end of mandrel shaft.
6. Remove locking collar / lifting assembly and centering cone.
7. Insert mandrel shaft in the reel all the way to the drive pin assembly, being careful to insert the pins completely.
8. Install centering cone (if needed) and locking collar / lifting assembly. Be sure to set reel tight against drive pin assembly.
9. Replace Nylatron bearing onto dumb end of mandrel shaft.

10. Lift reel with forklift or crane making sure that the drive pin assembly has the lifting eye on top for proper fit.
11. Insert reel into the stand by indexing drive pin assembly from above and lower into place.
12. Insert retaining pins into both the drive pin assembly and the dumb end of the shaft pocket.

Setup on the Job

Setup of the unit

Position of unit

Position the trailer with the centerline of the trailers inline with the pull. Place the unit at a minimum of two times the height of the first block.

Jack Stands / Outriggers

Actuate the rear outriggers to stabilize the trailer. Attempt to level the trailer as much as possible. The outriggers have the ability to raise the tires from the ground, but as a rule they should be used to stabilize the load across all contact points on the ground, i.e. Jack stands, tires, front tongue jack stand.

Tie Down/ Brake/ Chock

Chock all wheels and set brakes (if applicable). It should be noted that a fully loaded trailer may exceed the tension desired during the pull. As the pull progresses, the weight of the trailer decreases, therefore proper securing procedures should be followed during operation. This unit is equipped with tie – down eyes for staking to the ground and it is recommended that the unit stay secured to the tow vehicle whenever possible.

Load the Bull wheels

Reeve conductor through the captive fairlead assembly and under and around the first groove in the lower Bull wheel. The conductor will be reeved around the entire Bull wheel

assemblies and exits towards the first block off the upper Bull wheel groove.

Load the Bull wheels continued

It is less difficult if rope were to be reeved through the bull wheels instead of conductor. Placed the pulling rope in the bull wheels and slowly allow the rope to be pulled, thus reeving the conductor under power. When loading the bull wheels in this manner SLOW is the maximum speed.

TENSIONING PROCEDURE

Adjust reel brake to provide tail tension to conductor.

***PROPER ADJUSTMENT OF TAIL TENSION IS A CRITICAL PART OF THE CONDUCTOR TENSIONING PROCESS**. Too much tension can cause under wraps in the conductor reel and too little tension can produce slippage of the conductor across the Bull wheels and possible "groove hopping" during the pull.

Refer to the performance chart for proper hydraulic pressure as it directly relates to conductor tension. ***This chart is located on the control panel of the unit.***

Turn in Bull wheel actuator to approx 30 lbs above desired tension. As pull begins, turn actuator out slowly until Bull wheels begin to payout. As pull progresses, it may be necessary to adjust Bull wheel tension as needed. Also during the pull process it will be necessary to adjust reel payout tension as the reel empties.

As pull comes to an end, increase Bull wheel pressure to hold conductor at desired sag. *Safety off the conductor to the rear of trailer or other stationary device before leaving unit*.
BULLWHEEL BRAKES ARE NOT A PROPER HOLDING DEVICE.

IF MACHINE IS TO BE USED FOR FIBRE OPTIC INSTALLATION, REFER TO THE CABLE MANUFACTURER FOR PROPER TENSIONING TECHNIQUES. FAILURE TO CONSULT MANUFACTURER MAY DAMAGE CABLE AND VOID WARRANTY.

HYDRAULIC REWIND (OPTION)

If the unit is equipped with a hydraulic rewind, it has the capabilities to rewind the unused portion of conductor that was cut loose. It is not intended as a pullback or sag tensioning device and may not be used as such.

After conductor has been cut, release Bull wheel pressure and reel carrier pressure completely. Start engine and place lever in to TAKE UP position. After tails have been rewound, place lever to NEUTRAL and shut off engine.

LUBRICATION AND MAINTENANCE

This unit has no set PM schedule beyond that of the engine manufacturers suggested maintenance schedule. This unit should be visually inspected prior to each use while repairing any and all discrepancies prior to use.

***Items to be inspected* prior to use are:**

- Pintle eye (excessive wear)
- Safety Chains (wear / damage)
- All welds and seams
- Loose or missing fasteners (bolts, nuts, set screws)
- Loose or leaking hydraulic hoses
- Damages or worn hydraulic hoses
- Brake calipers (loose fittings, hoses, worn linings)
- Brake Pads
- Urethane Bull wheel linings
- Brake rotors
- Tires and trailer brakes
- Engine and hydraulic system fluid levels.

Lubrication Schedule

- Bull wheel Bearings (daily before each use)
- Axle Bearings (as needed)
- Engine oil as per manufacturers recommendation
- Retriever shaft (weekly)

Drawbar inspection

- Regularly inspect the drawbar for wear and damage. If wear exceeds 1/8", replace the drawbar eye.
- Check all drawbar mounting fasteners for proper torque.
- Do not modify or add to the product.
- Do not weld on this product without written permission from the factory.
- Be sure the drawbar size is compatible with the coupling device on the tow vehicle
- Do not damage the coupling components. Be particularly careful during coupling and uncoupling.
- Inspect the coupling device on the tow vehicle for proper locking prior to use.
- Consult OSHA and DOT regulations and American Trucking Association guidelines for complete operating procedures.

15-15 Warranty

Hogg and Davis, Inc. warrants its trailers against defects in material or workmanship for period of 15 months from the date of shipment from Hogg and Davis, Inc. (see General Conditions & Exceptions). Hogg and Davis, Inc. will replace, free of charge, F.O.B. Hogg and Davis, Inc. factory, such parts or parts thereof, that in their judgment have proven defective. Additionally, Hogg and Davis, Inc. will pay reasonable and customary labor charges when defective part is replaced, installed or repaired by a fully authorized Hogg and Davis, Inc. trailer dealer at his facility.

Warranty credit will be issued only upon receipt and inspection of defective parts of at the Hogg and Davis, Inc. factory.

Hogg and Davis, Inc. warrants its trailer main frame assemblies (except pintle eyes or other towing attachments, spindles and axles) against defects in material or workmanship for a period of **15 years** from the date of shipment from Hogg and Davis, Inc. (see General Conditions & Exceptions). Hogg and Davis, Inc. shall replace or repair, in a manner as it shall determine, free of charge, F.O.B. factory, any parts or parts thereof, that in its judgment have proven defective. Additionally, Hogg and Davis, Inc. will pay reasonable and customary labor charges when defective part is replaces, installed or repaired by a fully authorized Hogg and Davis, Inc. trailer dealer at his facility

General Conditions & Exceptions

All warranties, options and representations made herein shall apply only provide such equipment shall not have been subject to misuse, negligence or accident and has been operated in accordance with factory approved procedures. This warranty does not obligate Hogg and Davis, Inc. or its authorized dealers to bear the cost of parts obtained from or labor performed by unauthorized sources. Nor does it obligate Hogg and Davis, Inc. **or its** authorized dealers to bear the cost of transportation of parts or equipment for repair or **replacement purposes.** This warranty is in lieu of any other warranty, expressed **or implied,** or any other obligation or liability on the part of Hogg and Davis, Inc and no persons or entity is authorized to make any representation beyond those stated herein.

Hogg and Davis, Inc. shall not be held liable for consequential damage of any kind. Hogg and Davis, Inc. also reserves the right to make changes and improvements in its products without incurring any obligation to install any such changes or improvements upon its products previously manufactured.

The above warranty shall not be misconstrued to mean warranty of tires, clutch, transmission assemblies or customer requested accessory equipment other than the warranty extended by their respective manufactures to Hogg and Davis, Inc. In addition, friction, drive rollers are warranted only to extent of bonding failure. All warranties, options and representations made herein are applicable to the original end-user of the product and are not sellable or transferable in any manner.

Parts and other manufacturer manuals

The Following drawings are for part identification only. Please reference the unit V.I.N. number and the corresponding part number when ordering.

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NOTES:

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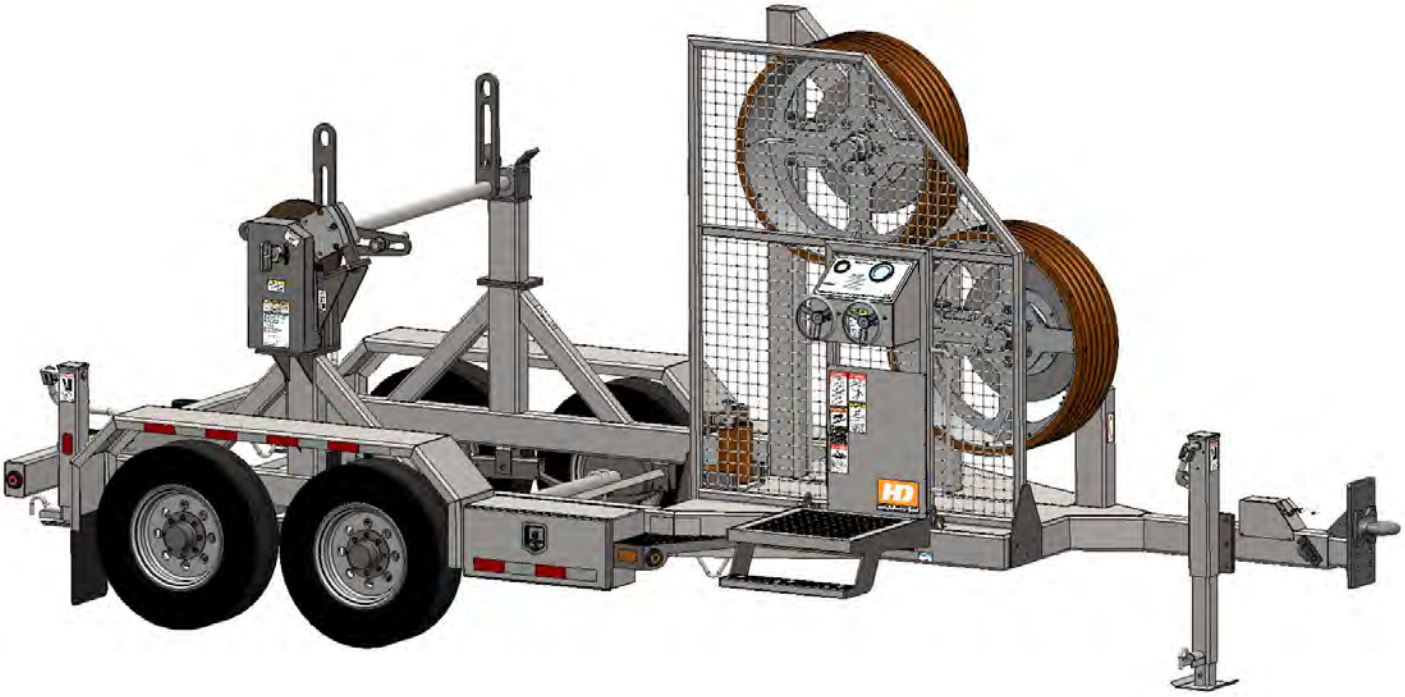
PARTS MANUAL



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"Rugged Dependability."

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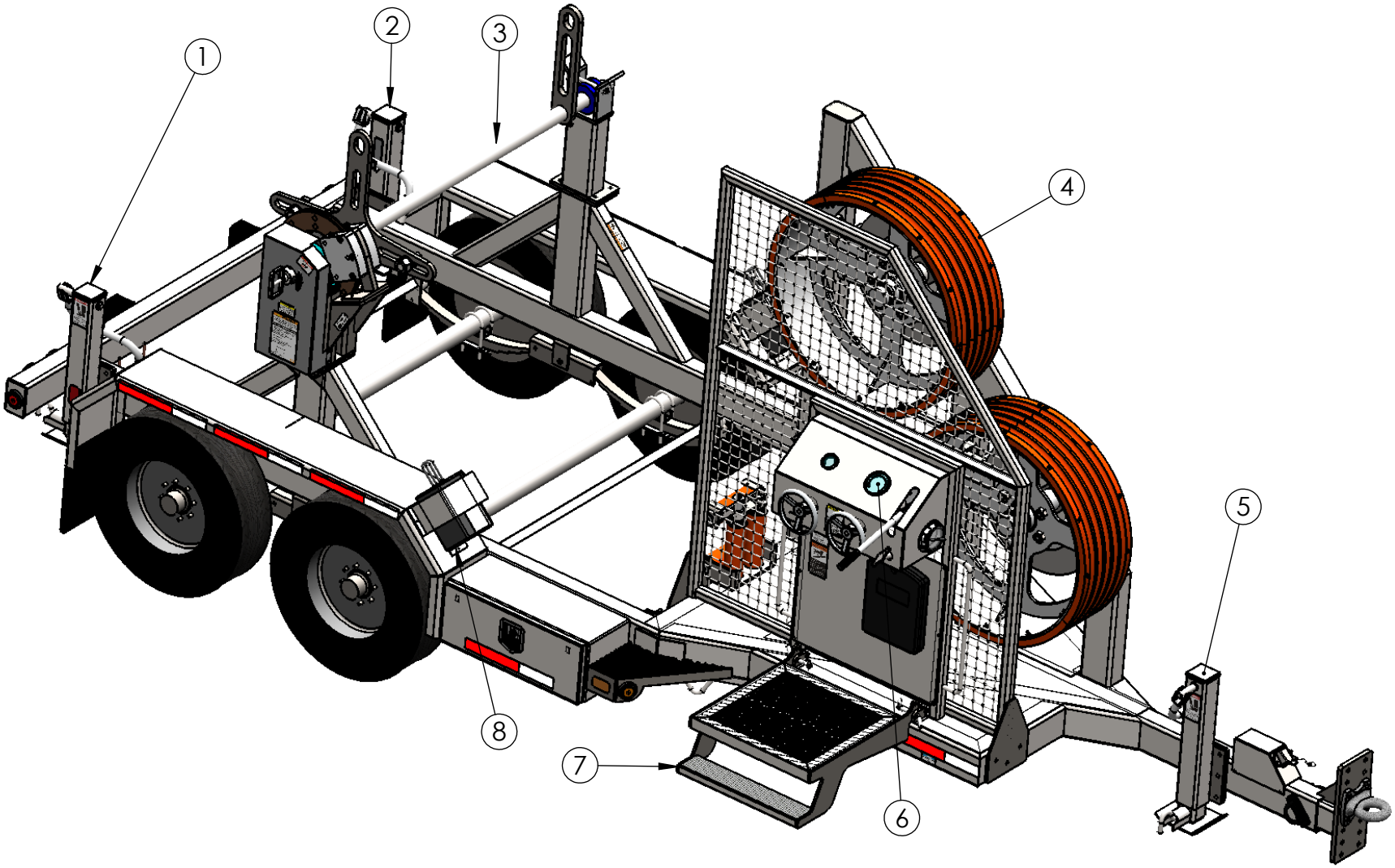
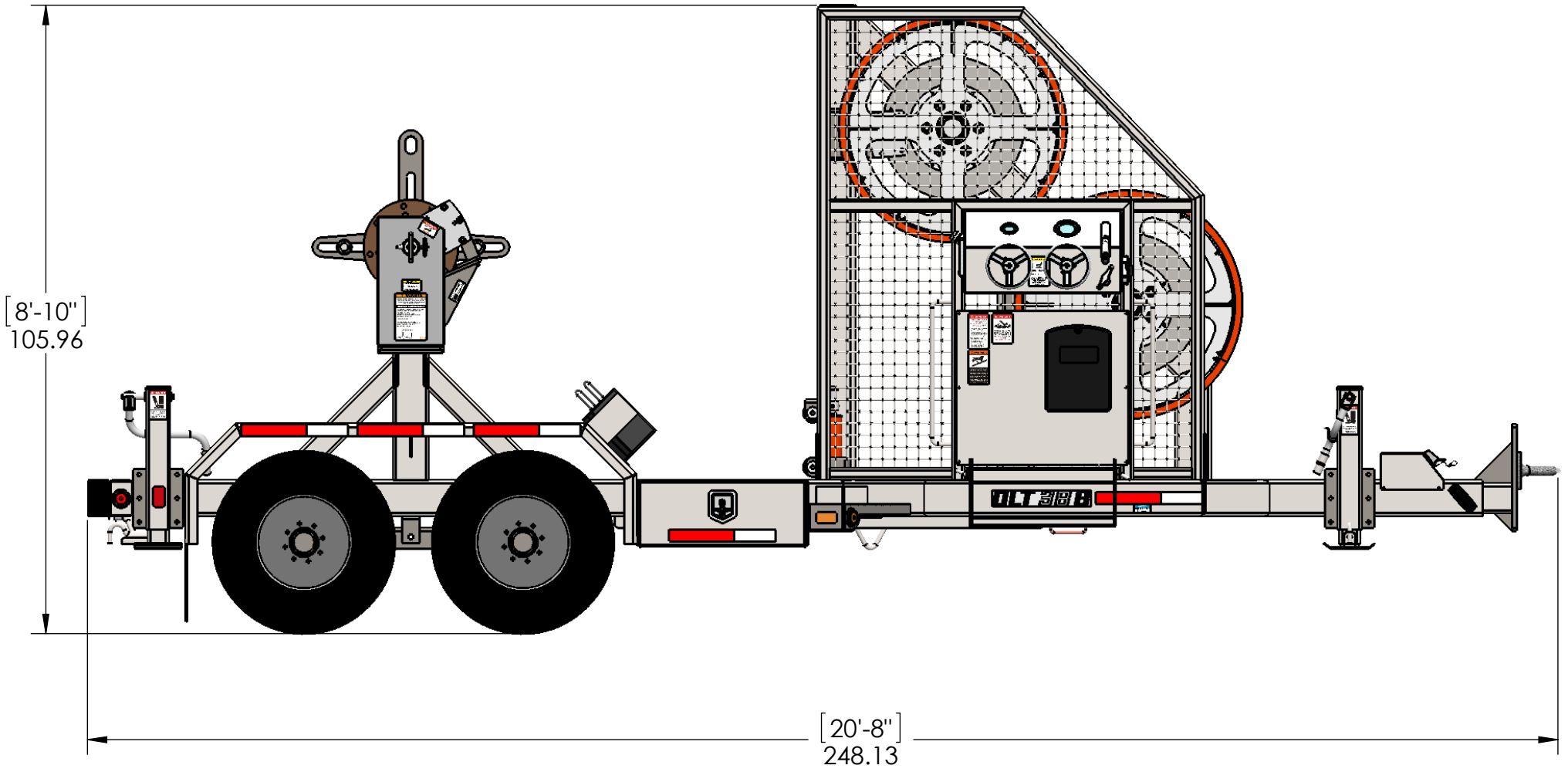
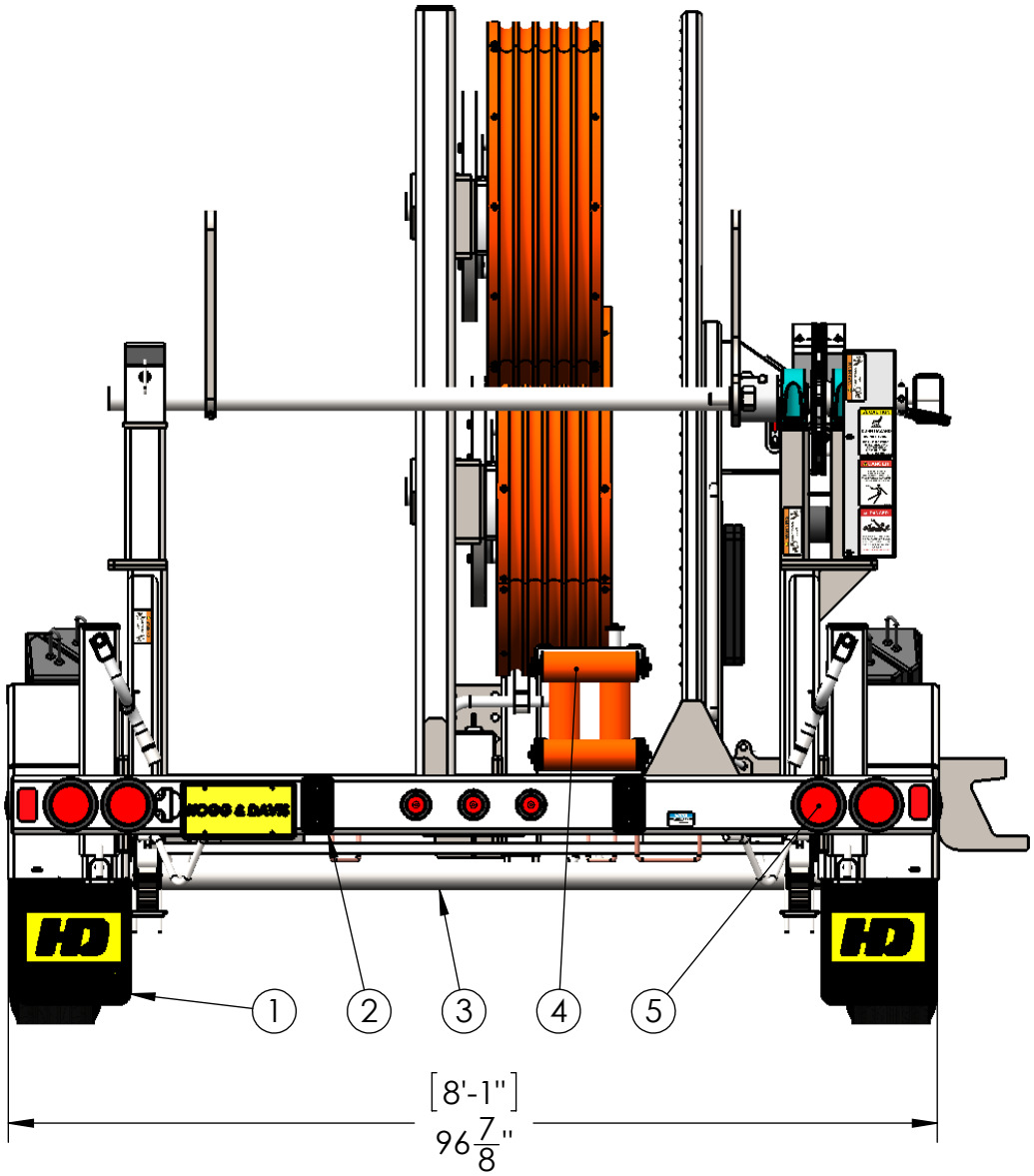


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	J04043	12k Dropleg Jack	1
2	J04042	12k Dropleg Jack	1
3	Reel Assembly	See Reel Assembly Sheet	1
4	Bullwheel	See Bullwheel Sheet	2
5	J04044	12k Dropleg Jack	1
6	Controls	See Controls Sheet	1
7	S33001	Operator Step	1
8	C12005	Wheel Chock	4

HD OLT 38B

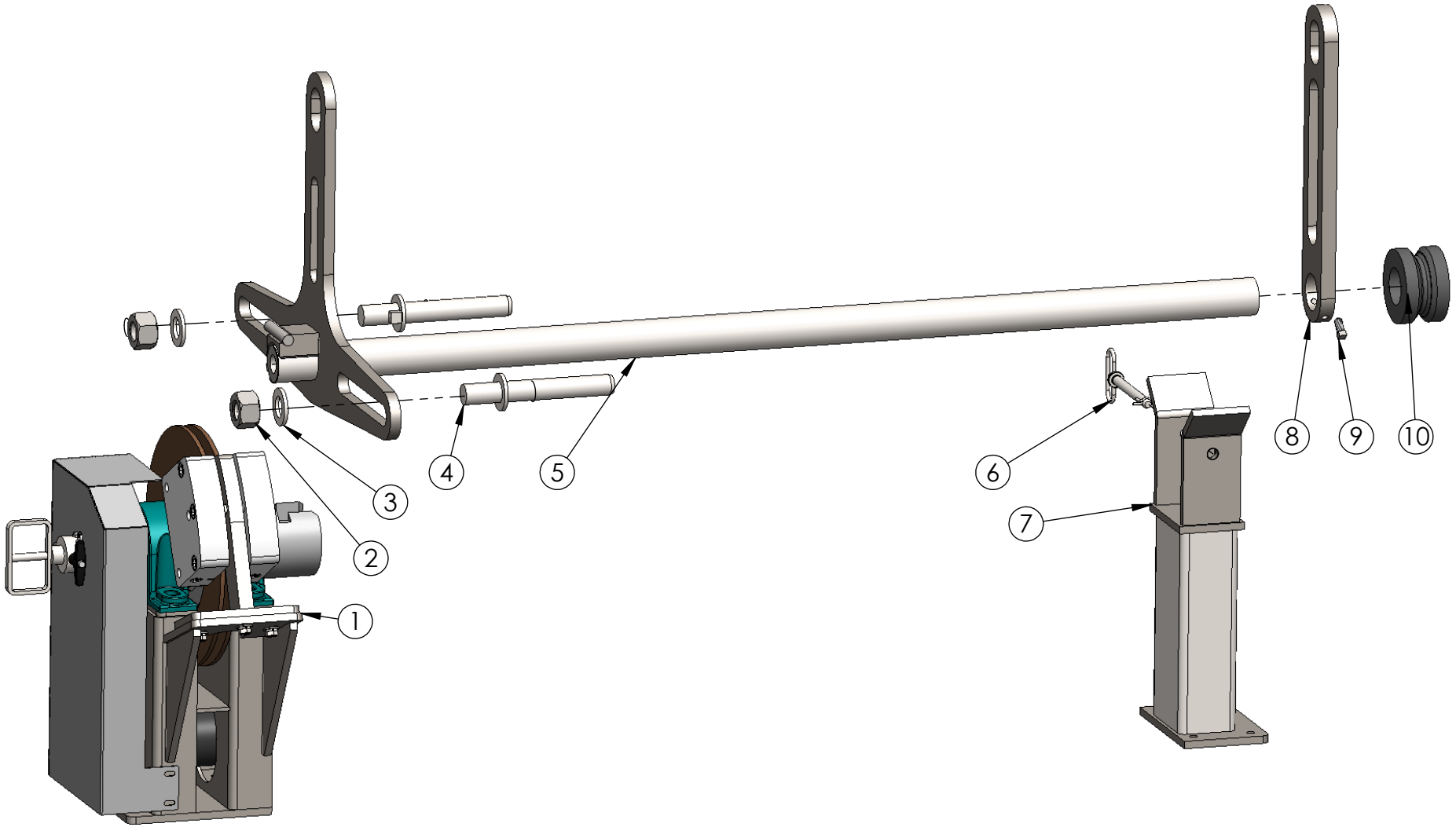


Curbside View



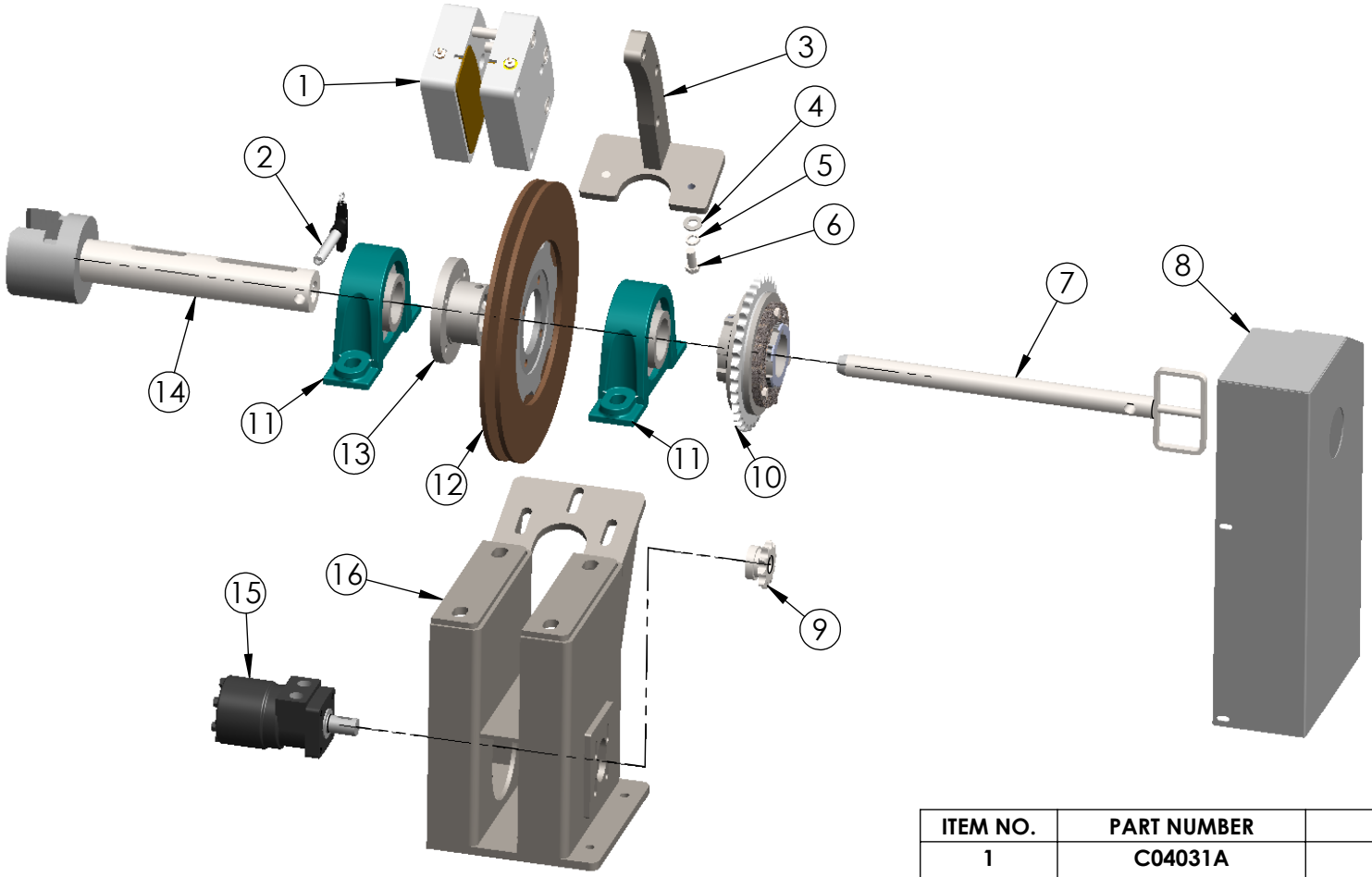
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	f10010	Mud Flap	2
2	B20002	3X6 Bumper	2
3	A07100	7k tandem axle set	1
4	F09108A	Fairlead Assy.	1
5	Lights	See Lighting Sheets	1

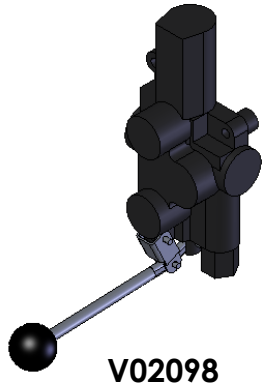
Rear View



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	OLTPHR	Hydraulic Reel Drive	1
2	N04380	Nut, Hex 1-3/8 -6	2
3	W01595	Washer, Reel Pin	2
4	P06052	Reel Driver Pin	2
5	S43079	Shaft, reel 2-1/2x68-1/2" OLT	1
6	P06056	Pin, 5/8 x 6"	1
7	P14003	Mandrel Post	1
8	E04002	Lifting Eye	1
9	S04475	Screw, Set Sq Head 1/2" x 1"	2
10	B07077	Shaft, Bearing- Nylatron	1

Reel Shaft Assembly

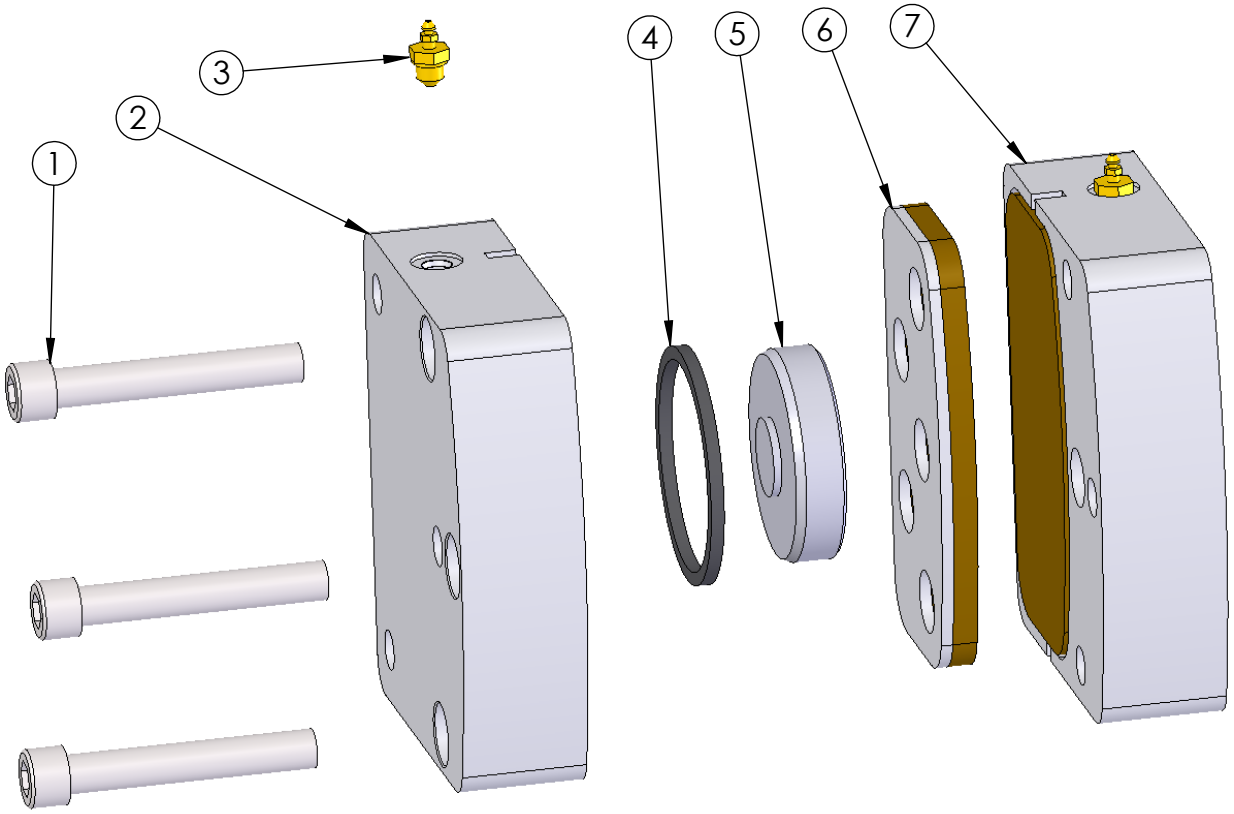




V02098
Valve, 4 Way Control w/Float

NOTE: Parts 9, 10, 15 & V02098 Are optional for powered reel retreiver

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	C04031A	Caliper, 7" HD brake	1
2	P06003	Pin, Drive Locking	1
3	B15246	Bracket, Caliper mount	1
4	W01005	Washer, Flat SAE 1/2"zinc	3
5	W01565	Washer, Split Lock 1/2"zinc	3
6	B11363	Bolt, Hx Head 1/2"-13 x 1-1/4"	3
7	P06047	Pin, Shaft	1
8	G09027	Guard, Drive	1
9	S29005	Sprocket, Drive	1
10	C18001A	Clutch, Torque Tamer	1
11	B07401	Bearing, 2-7/16" Pillow Block	2
12	D02020	Disc, Vented Brake	1
13	H09106	Hub, brake 2-7/17" shaft	1
14	S43014	Shaft, Bearing	1
15	M08050	Motor, Hydraulic Drive	1
16	F09011	Frame, OLTPHR	1



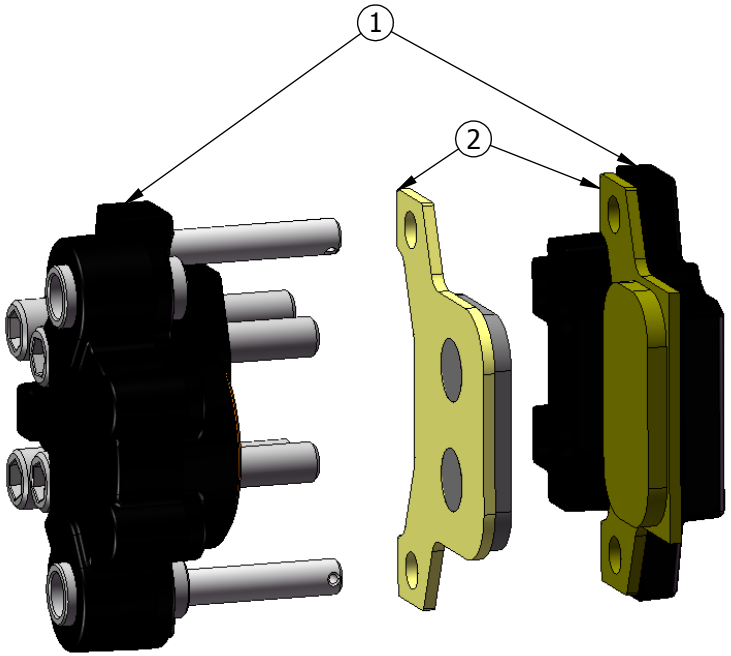
C04031A--Complete Assembly

(Contains all Parts Listed Below)

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	S04141	Screw SHCS 5/8-18x4	3
2	C04037	Caliper Half, Countersink	1
3	B18005	Bleader, -4 o-ring	2
4	O01225	O-Ring, Piston	2
5	P08004	3-3/8" Piston	2
6	P01012	Pad, 7" HD brake caliper	2
7	C04038	Caliper Half, Threaded	1

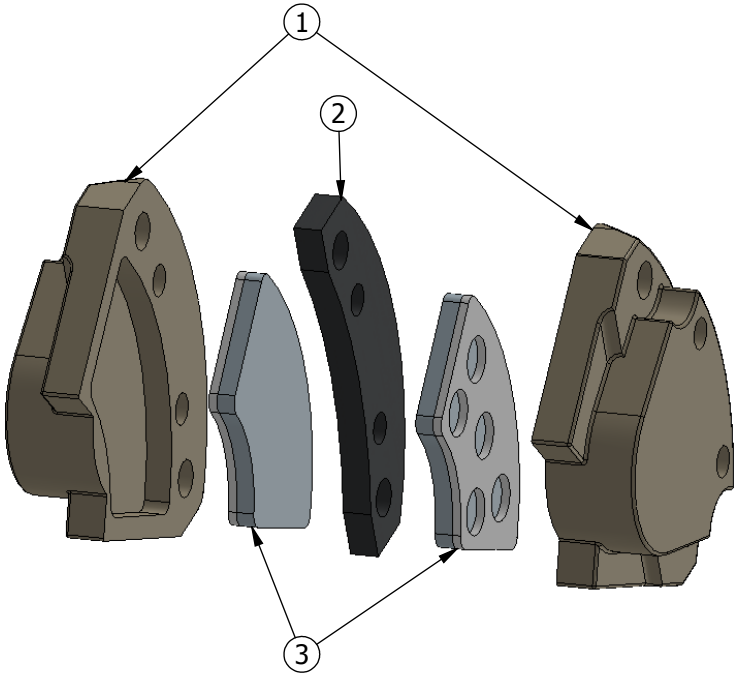
7" HD Brake Caliper Assembly

Brake, Ausco
2007-2009

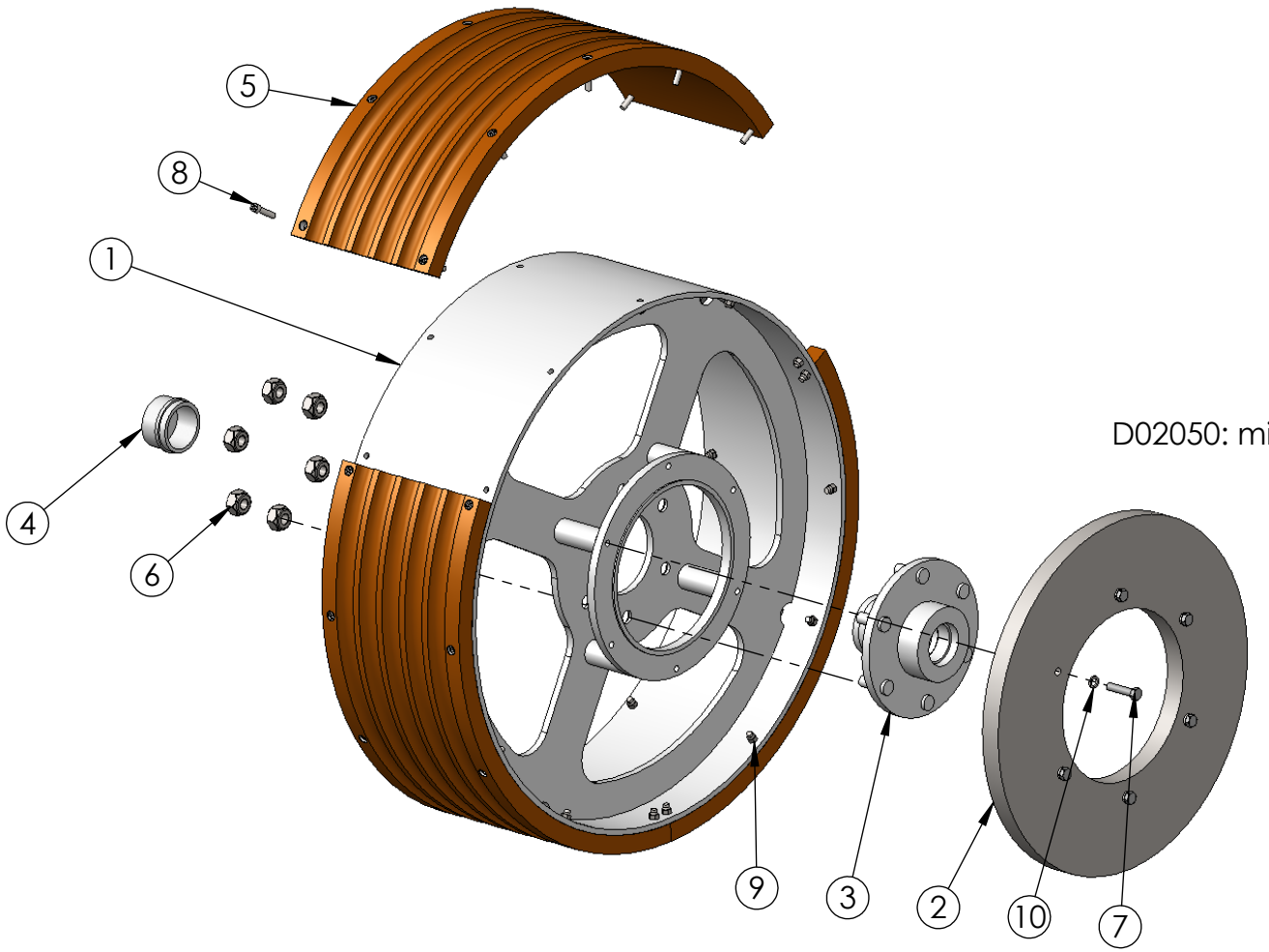


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	C04312	Caliper, Ausco	1
2	P01052	Pad Set, Ausco	2

Brake, Mico
Thru 2006, and in 2010

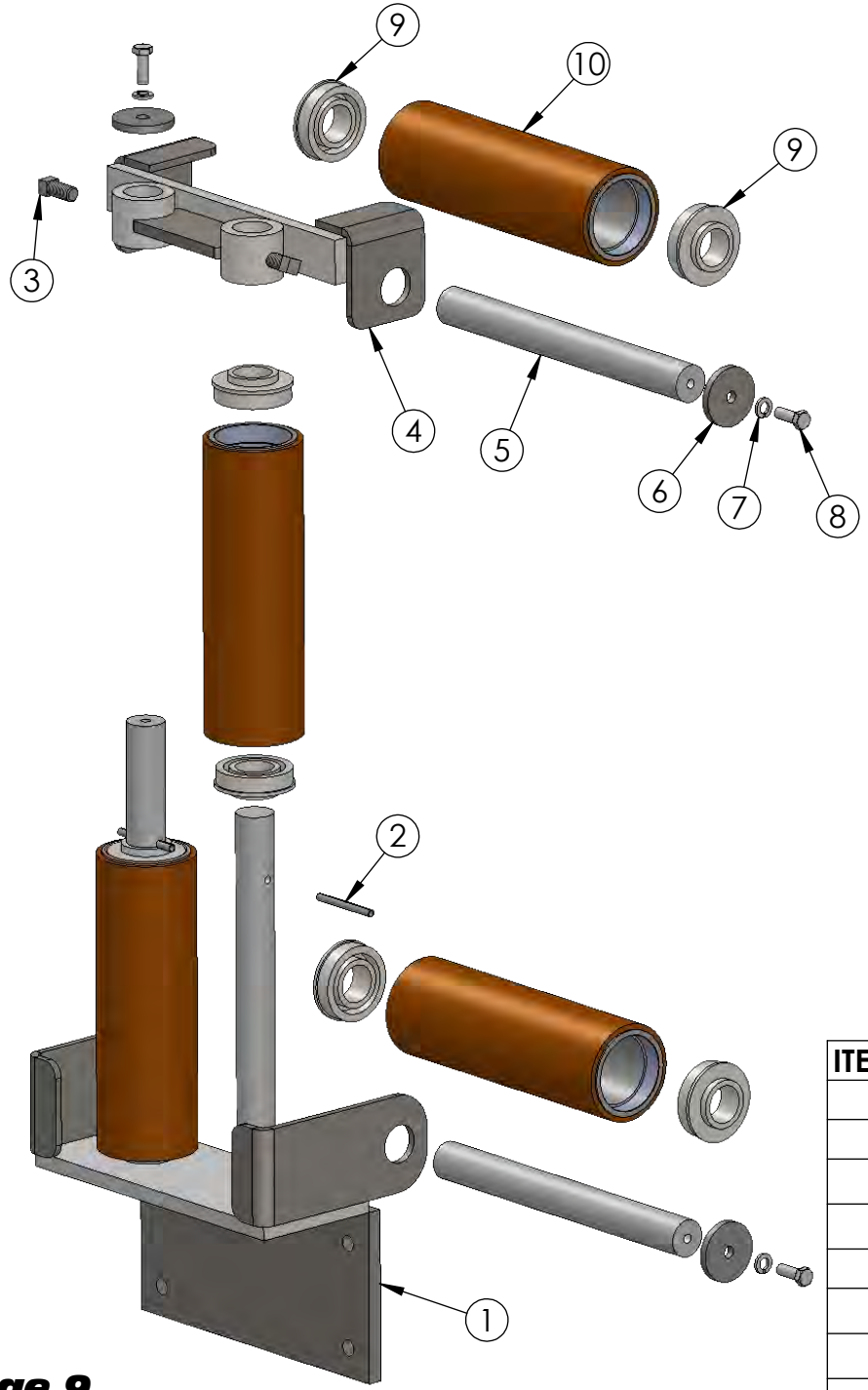


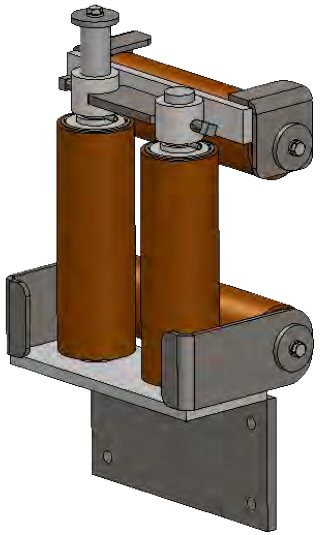
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	C04910-001	caliper side	2
2	C04910-002	spacer	1
3	P01055	Pad mico woven	2



D02050: min. thickness - 1.1875"

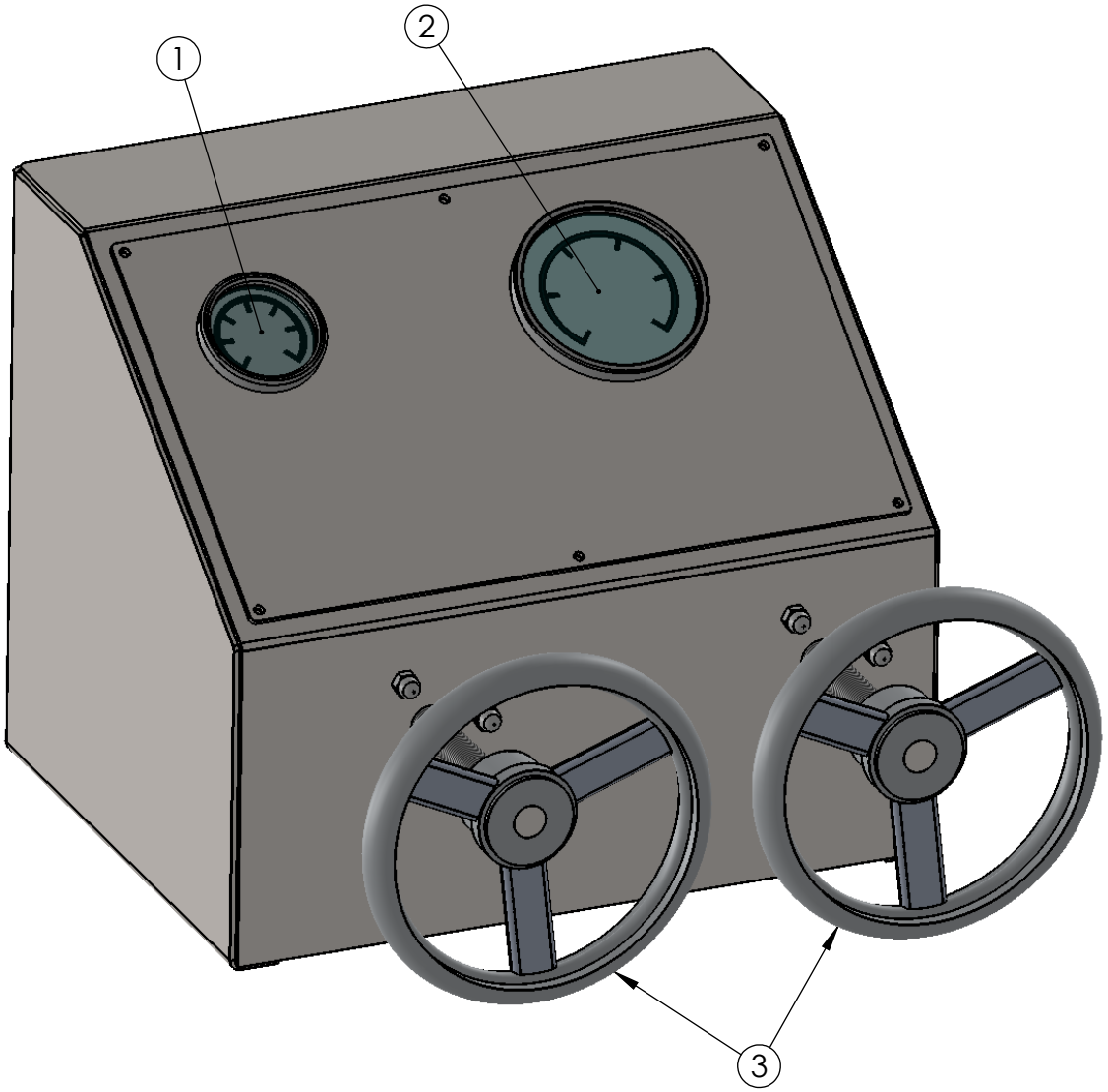
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	C27003	Corem Bullwheel	1
2	D02050	Disc, Brake	1
3	H09035	Hub	1
4	C06095	Cap, Grease	1
5	L05005	Liner, Urethane	3
6	N04045	Nut, 3/4-16 RH Lug	6
7	B11361	Bolt, Hex 1/2-13 x 2 1/4 G5 z	6
8	S04248	Screw, SHCS 3/8"-16 x 1-3/4"	30
9	N04545	Nut, Hx Nylock® 3/8"-16	30
10	W01565	Washer, Split Lock 1/2"zinc	6



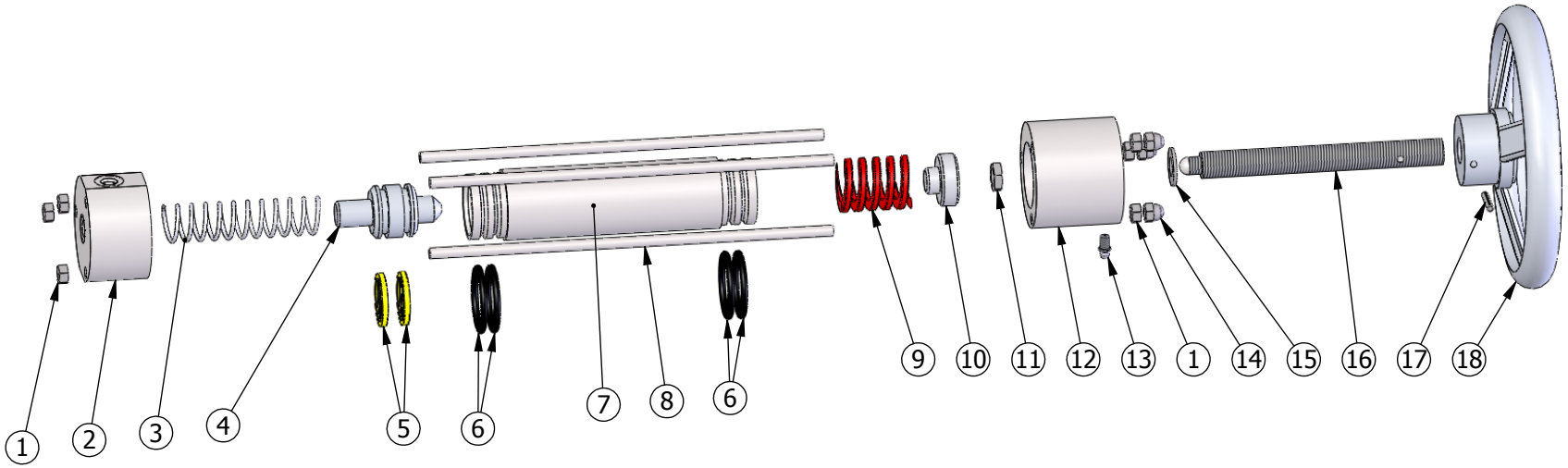


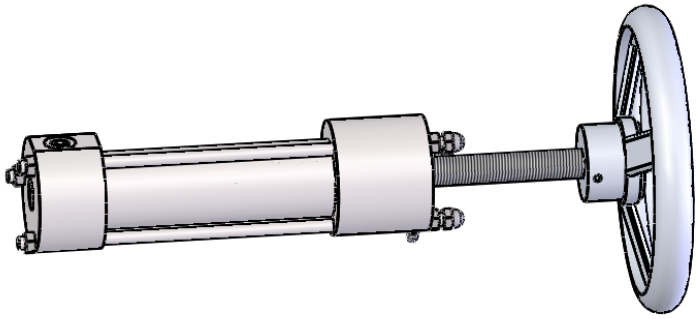
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	F09108	Base	1
2	P06193	Pin, Roll 1/4" x 2-1/2"	2
3	S04475	Screw, Set Sq Head 1/2" x 1"	2
4	B15899	Bracket, Top Fairlead	1
5	S43129	Shaft, Roller	2
6	C06041	Cap, End	5
7	W01545	Washer, Split Lock 3/8"zinc	5
8	B11342	Bolt, Hx Head 3/8"-16 x 1"	5
9	B07110	Bearing, Roller	8
10	R20028	Roller, 10" w/ Polyurethane Coating	4

HD **OLT38 Fairlead**



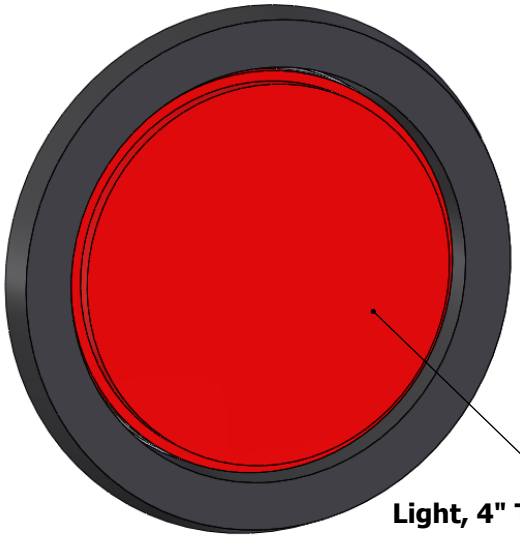
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	G02008	Gauge, 3" 600PSI	1
2	G02007	Gauge, 4" 600PSI	1
3	C32004	Brake Cylinder	2



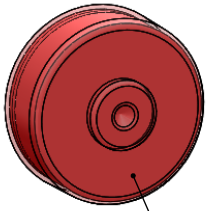


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	N04107	Nut Hex 5/16"-18	6
2	C06009	Bar round 3" 1018	1
3	S28022	Return Spring	1
4	P08017	Piston, Aluminum two groove	1
5	O01061	Seal	2
6	O01060	O-Ring	4
7	H08003	Cylinder Tube	1
8	R19007	Bar round 5/16" 1018	3
9	S28021	Spring	1
10	P08016	2" Aluminum RB	1
11	N04039	Nut Hex Jam 1/2-20	1
12	C06012	Bar round 3" 1018	1
13	F05630	Fitting, 1/4"-28 Zerk	1
14	N04103	Nut Hex 5/16"-18 Acorn	3
15	W01005	Washer, Flat SAE 1/2"	1
16	S04006-001	Bar 3/4"-8 acme thread	1
17	P06186	Pin, Roll 3/16 "x 1"	1
18	H02060	Handle, 8" Dia.	1

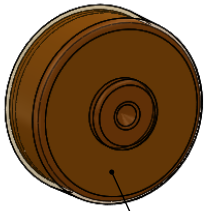
C32004
HD Brake Cylinder



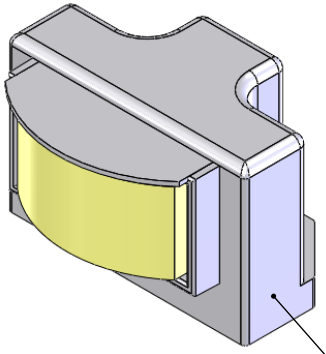
L04032
Light, 4" Tail/Stop/Turn Kit LED



L04310
Light Red 2" LED

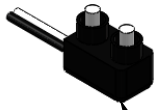


L04311
Light Amber 2" LED



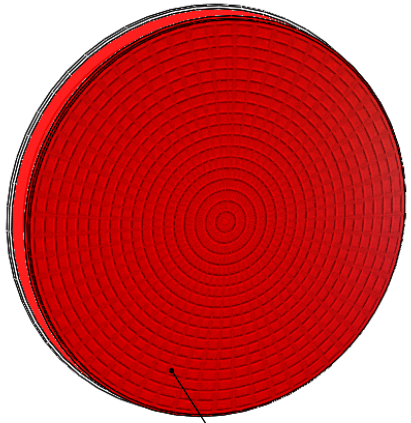
L04055
Light, License plate

G08005
Grommet 2" Light

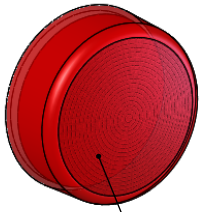


P05025
Pigtail 2 wire

HD LED Light Package

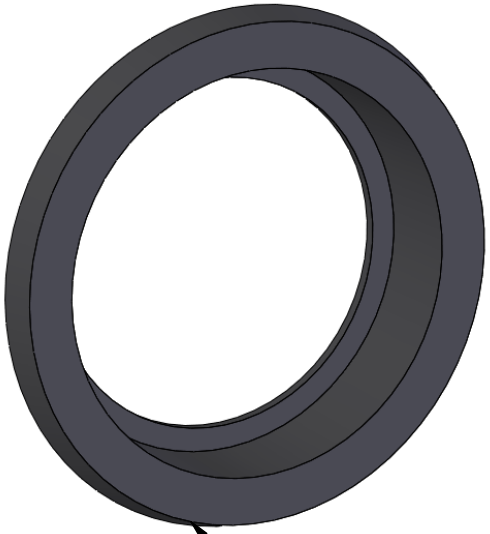


L04030
Light, 4" Tail Stop Turn

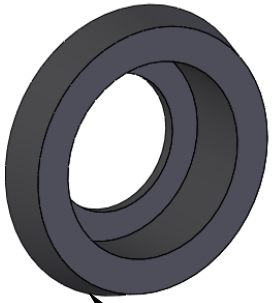


L04070
Light, 2" Red

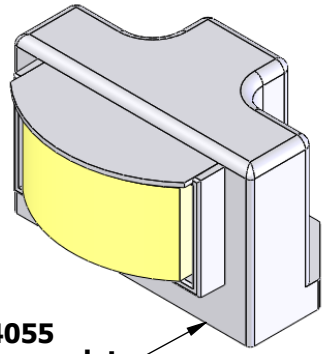
L04035
Light, 2" Amber



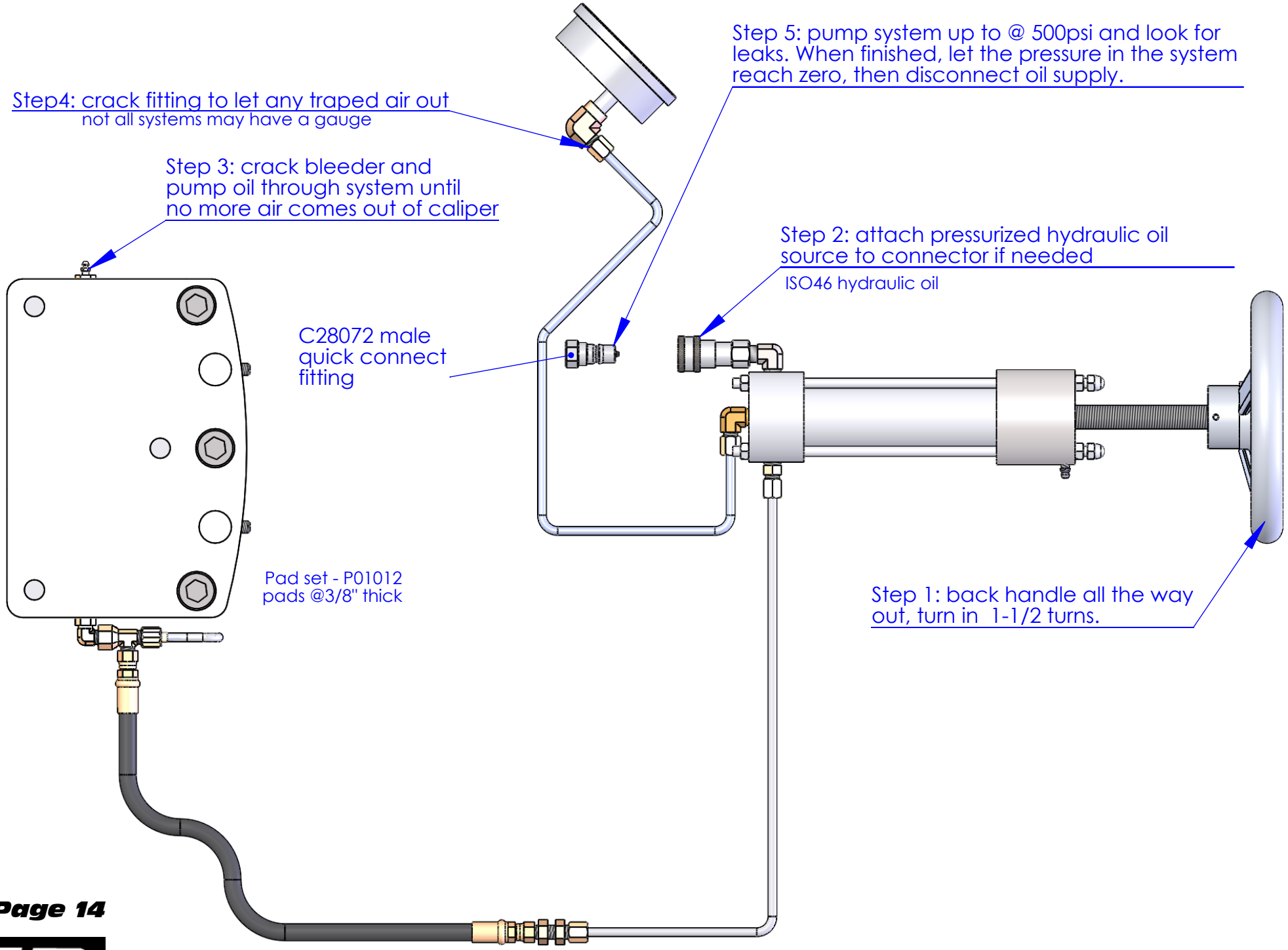
G08010
Grommet, 4" Tail/Stop/Turn



G08005
Grommet 2" Light



L04055
Light, License plate



HD Brake System

Note: Used for reference only, parts may vary.

Hogg & Davis, Inc.
OLT-38B
Overhead Line Tensioner

Trailer Specifications

- Welded 6" x 4" tubular steel frame, fully welded and reinforced
- Heavy Gauge fenders with mud flap
- Metal grit blasted, baked primer coat, 2 coat baked on Sherwin Williams Genesis Urethane Finish (std)
- Painted prior to assembly
- Adjustable 3" diameter Pintle hitch
- Heavy Duty center drop leg jack with manual crank and sand shoe
- Wiring to be installed inside the tubular steel frame whenever possible with terminal blocks and wire guards standard. All end connections to be round eyes with heat shrink and connection to be bolted onto the terminals.
- Double shock mounted Lexan Lens Lights with pigtail connectors (FMVSS108)
- Conspicuity Tape (FMVSS108)
- Rear Jackstands pin type with manual crank
- 14,000 GAWR with tandem leaf springs Axles
- Electric applied brakes on both axles
- Tires four 235/75R17.5 16PLY RIB

Bull Wheels

- Maximum rated tension is 3,000 pounds
- Maximum rated line speed is 4 MPH
- 2 – Multi-groove bull wheels that can handle up to a 1.5 inch diameter conductor
- 2 – Stainless Steel HRAP 24" diameter tensioning brakes with hydraulic brake calipers on both bull wheels.
- Bullwheel outside diameter is 38 inches and the diameter at the bottom of the groove is 36 inches.
- Single rotary adjustment control for fine metering and a visual pressure gauge for applying the hydraulic brakes on both bull wheels.
- There are three Urethane Diameter Molded linings segments on each bull wheel that are easily replaceable. Segments do not have any spaces in between them for pulling rope or other objects to get snagged.
- Bull wheels are open reeved type for easy conductor installation and removal

Reel Carrier

- Reel capacity is 8,000 pounds of payload
- Maximum: Reel diameter 90"
  Reel width 56"
- Reel and reel shaft are easily to disassemble for changing out reels without tools.

- The reel spindle has a 16" diameter bronze overspin brake with manual brake caliper as standard equipment
- Urethane lined roller fairlead to insure proper alignment with Bullwheels

Optional Equipment

1) Manual crank type retriever to rewind short lengths of conductor
2) Hydraulic retriever to rewind short lengths of conductor back onto the reel. The hydraulic retriever is attached directly to a sprocket on the shaft behind the brake caliper assembly. Controls are with a self centering valve with a directional control. Quick disconnects are standard for hydraulic pressure form the line truck or a separate hydraulic power pack. Reels can free wheel by disengaging the hydraulic motor from the drive system.
3) Hydraulic Brake Caliper in lieu of the manual type, with controller located next to the bull wheel controls.
4) Hydraulic Power Pack – 13HP Honda Air Cooled gasoline engine with 2500 psi.
5) Hydraulic outriggers with localized controls and audible alarm.
6) ABS Air Brake on the axles instead of the standard electric brakes
7) LED light package (FMVSS108)

WARRANTY

Hogg and Davis Standard 15-15

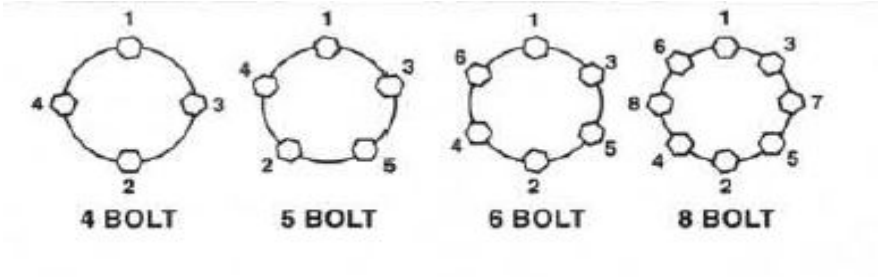
Trailer Protection Plan

Wheel Torque Requirements

Be sure to use only the fasteners matched to the cone angle of your wheel (usually 60° or 90°). The proper procedure for attaching your wheels is as follows:

1. Start all bolts or nuts by hand to prevent cross threading.
2. Tighten bolts or nuts in the sequence shown for wheel torque requirements.
3. The tightening of the fasteners should be done in stages. Following the recommended sequence, tighten fasteners as shown in the chart below.
4. Wheel nuts/bolts should be torqued before first road use and after each wheel removal. Check and re-torque after the first 10 miles, 25 miles and again at 50 miles. Check periodically thereafter.

Wheel Size	1st Stage	2nd Stage	3rd Stage
12"	20-25	35-40	50-75
13"	20-25	35-40	50-75
14"	20-25	50-60	90-120
15"	20-25	50-60	90-120
16"	20-25	50-60	90-120
16.5" x 6.75"	20-25	50-60	90-120
16.5" x 9.75"	55-60	120-125	175-225
14.5" Demount	Tighten Sequentially to		85-95
17.5" Hub Pilot Clamp Ring & Cone Nuts	50-60	100-120	190-210
17.5" Hub Pilot 5/8" Flange Nuts	50-60	90-200	275-325



Maximum Wheel Fastener Torque

The wheel mounting studs used on Dexter Axles conforms to the SAE standards for grade 8. The maximum torque level that can be safely applied to these studs is listed in the following chart:

Stud Size	Max. Torque
½”-20 UNF, class 2A	120 lb ft.
9/16”-18, class 2A	170 lb ft.
5/8”-18, class 2A	325 lb ft.

CAUTION

Exceeding the above listed torque limits can damage studs and/or nuts and lead to eventual fractures and dangerous wheel separation.

D30001
(1)

D30010
(2)

D30015
(3)

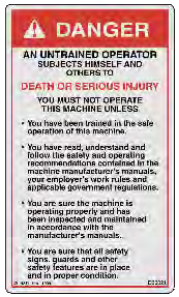
D30034
(3)

D30042
(8)

D30067
(1)

D30018
(1)

D30101
(2)



D30021
(1)

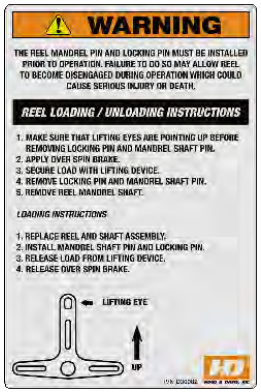
D30022
(1)

D30026
(3)

D30028
(5)

D30036
(5)

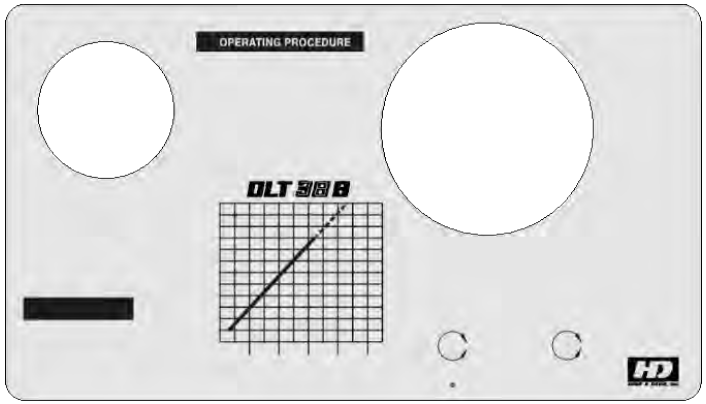
D30127
(4)



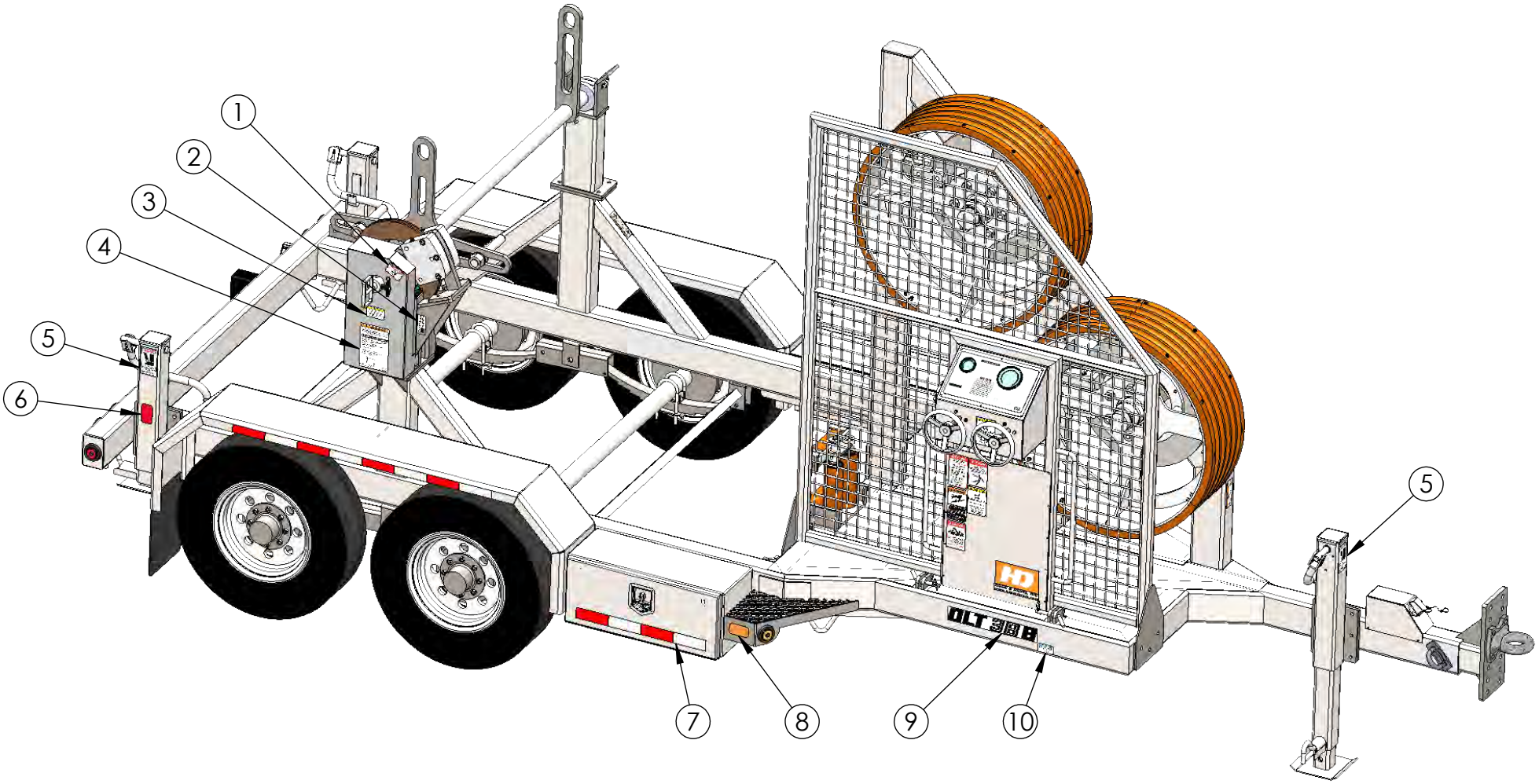
D30082
(1)

T19001
(13')

D30128
(1)

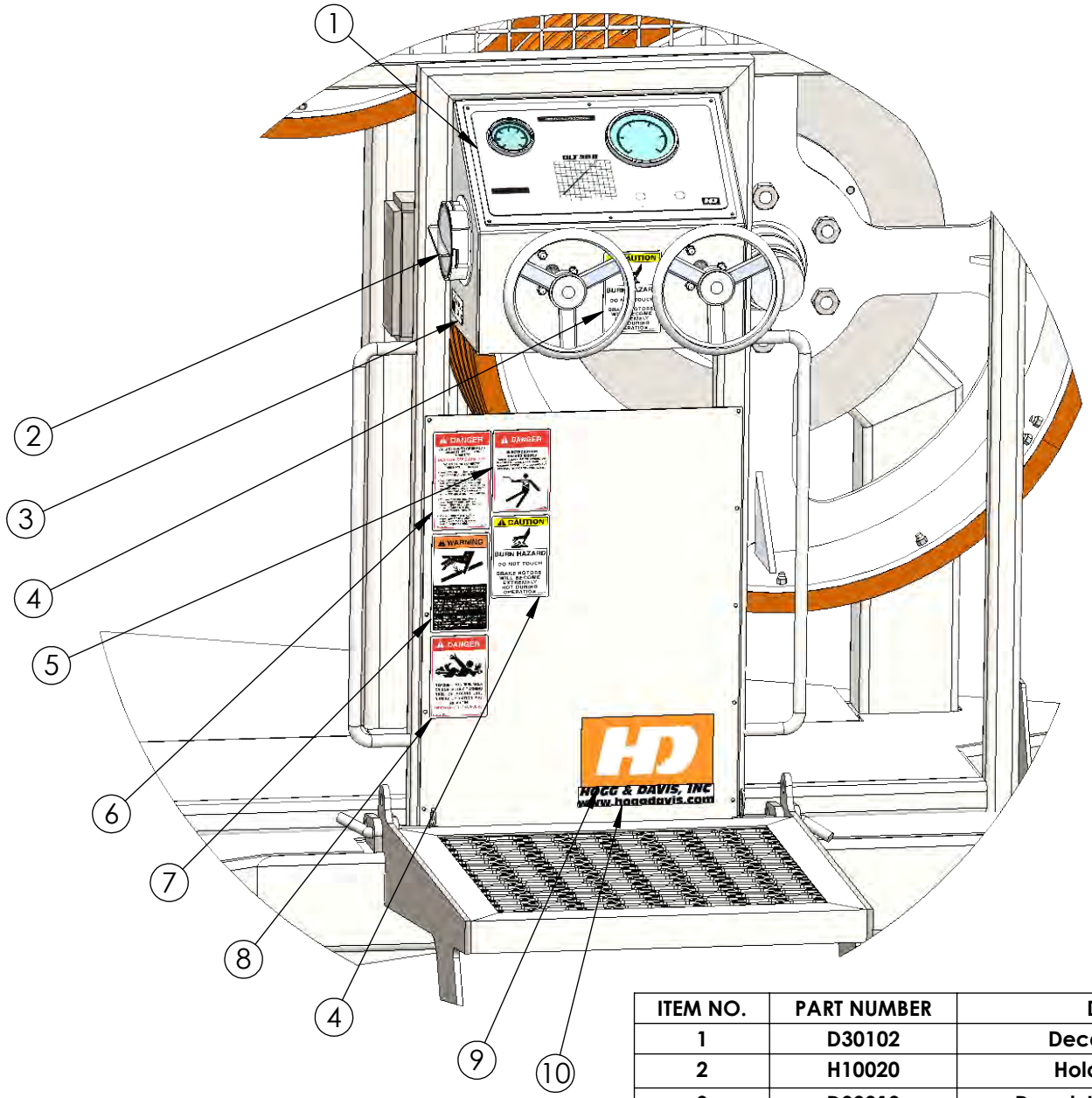


D30102
(1)



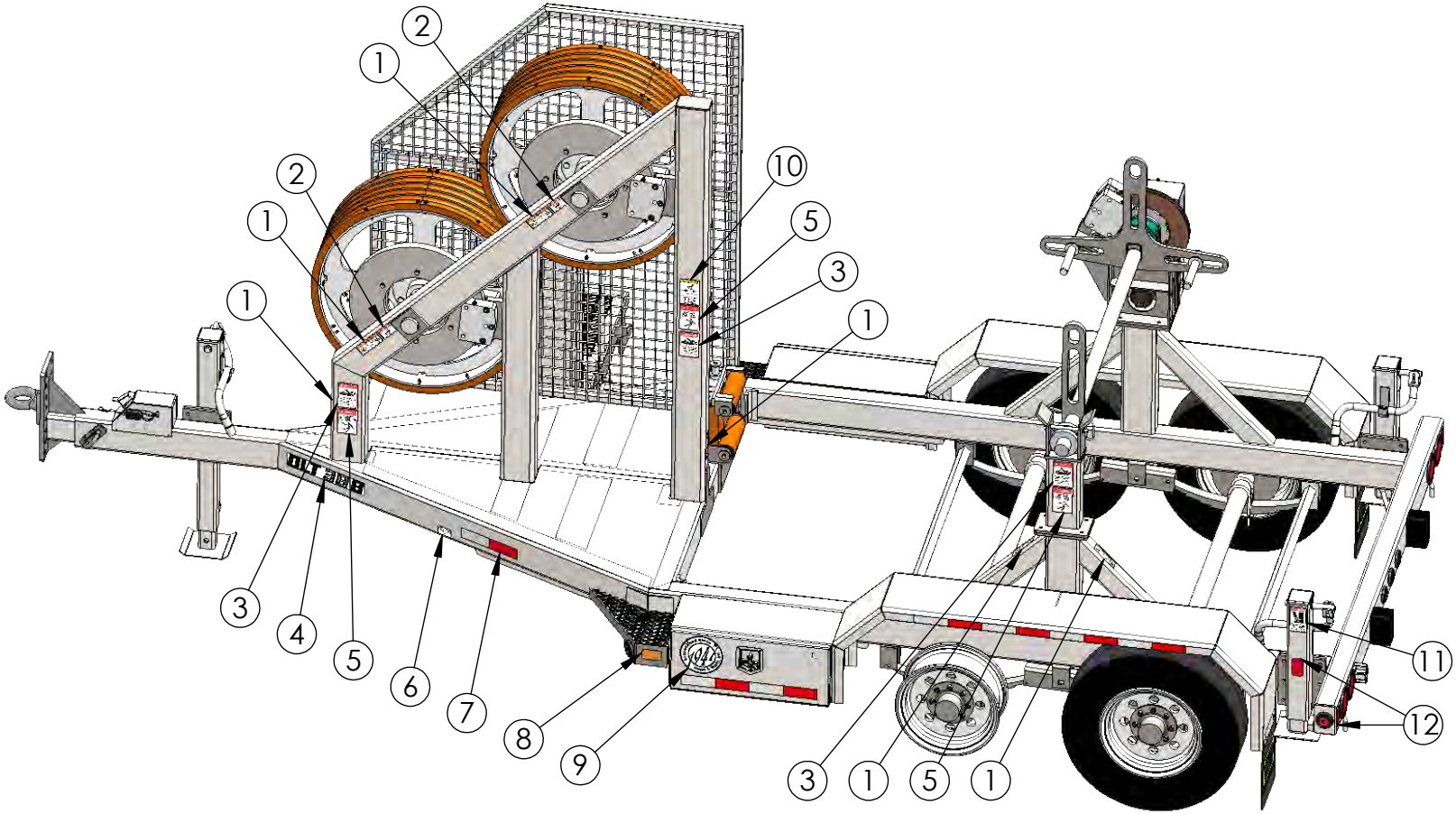
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	D30015	Decal, Hot Surface	3
2	D30010	Decal, Hydraulic Fluid Only	2
3	D30067	Decal, Release Pressure	1
4	D30082	Decal, Reel Loading Inst.	1
5	D30026	Decal, Danger Stand Clear	3
6	R09043	Reflector, Red 2x3-1/2	4
7	T19001	Red/White Reflective tape	13
8	R09044	Reflector, Amber 2x3-1/2	2
9	D30101	Decal OLT38B Tongue	2
10	D30034	Decal, Grounding Lug	3

Decal Locations



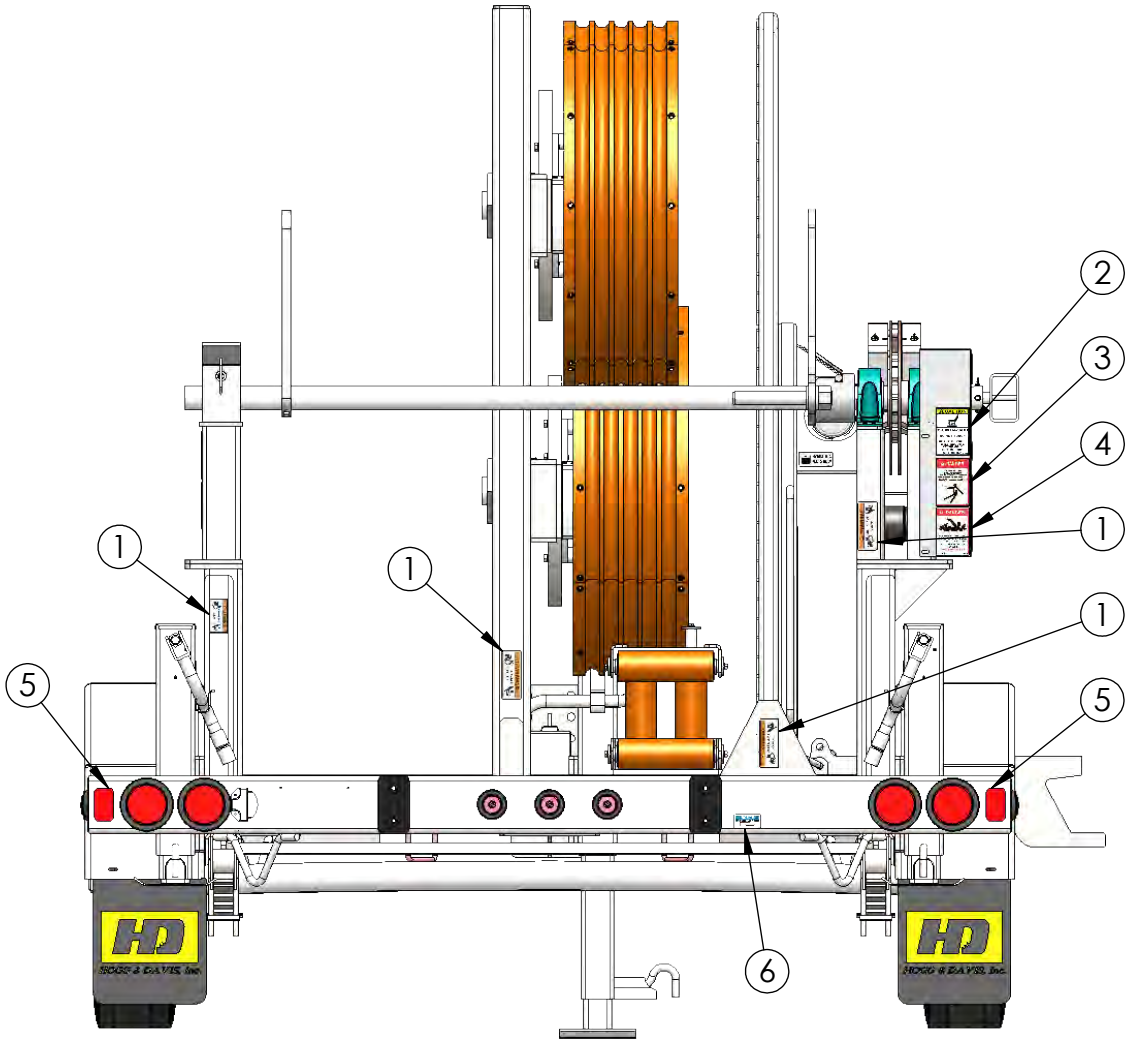
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	D30102	Decal, Control Panel	1
2	H10020	Holder, Registration	1
3	D30010	Decal, Hydraulic Fluid Only	2
4	D30127	Decal, Burn Hazard	4
5	D30036	Decal, Electrocution Hazard	5
6	D30021	Decal, Untrained Operator	1
7	D30022	Decal, Danger Fluid Pressure	1
8	D30028	Decal, Danger Twisty Man	5
9	D30001	HD Logo 6x9	1
10	D30018	Decal, HD 1/2" x 9"	1

Decal Locations



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	D30042	Decal, Keep Hands Clear	8
2	D30015	Decal, Hot Surface	3
3	D30028	Decal, Danger Twisty Man	5
4	D30101	Decal OLT38B Tongue	2
5	D30036	Decal, Electrocution Hazard	5
6	D30034	Decal, Grounding Lug	3
7	T19001	Red/White Reflective tape	9
8	R09044	Reflector, Amber 2x3-1/2	2
9	D30128	Established 1947	1
10	D30127	Decal, Burn Hazard	4
11	D30026	Decal, Danger Stand Clear	3
12	R09043	Reflector, Red 2x3-1/2	4

Decal Locations



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	D30042	Decal, Keep Hands Clear	8
2	D30127	Decal, Burn Hazard	4
3	D30036	Decal, Electrocution Hazard	5
4	D30028	Decal, Danger Twisty Man	5
5	R09043	Reflector, Red 2x3-1/2	4
6	D30034	Decal, Grounding Lug	3

Decal Locations