

Cadman

IRRIGATION & AGRICULTURAL MACHINERY



6010 / 8010

Soft Hose Caddy



OPERATOR'S, PARTS, and MAINTENANCE MANUAL

2011 Edition

TR-MAN-6010

Cadman

IRRIGATION & AGRICULTURAL MACHINERY



Title

TR-MAN-6010

Operator's Manual - 6010 / 8010

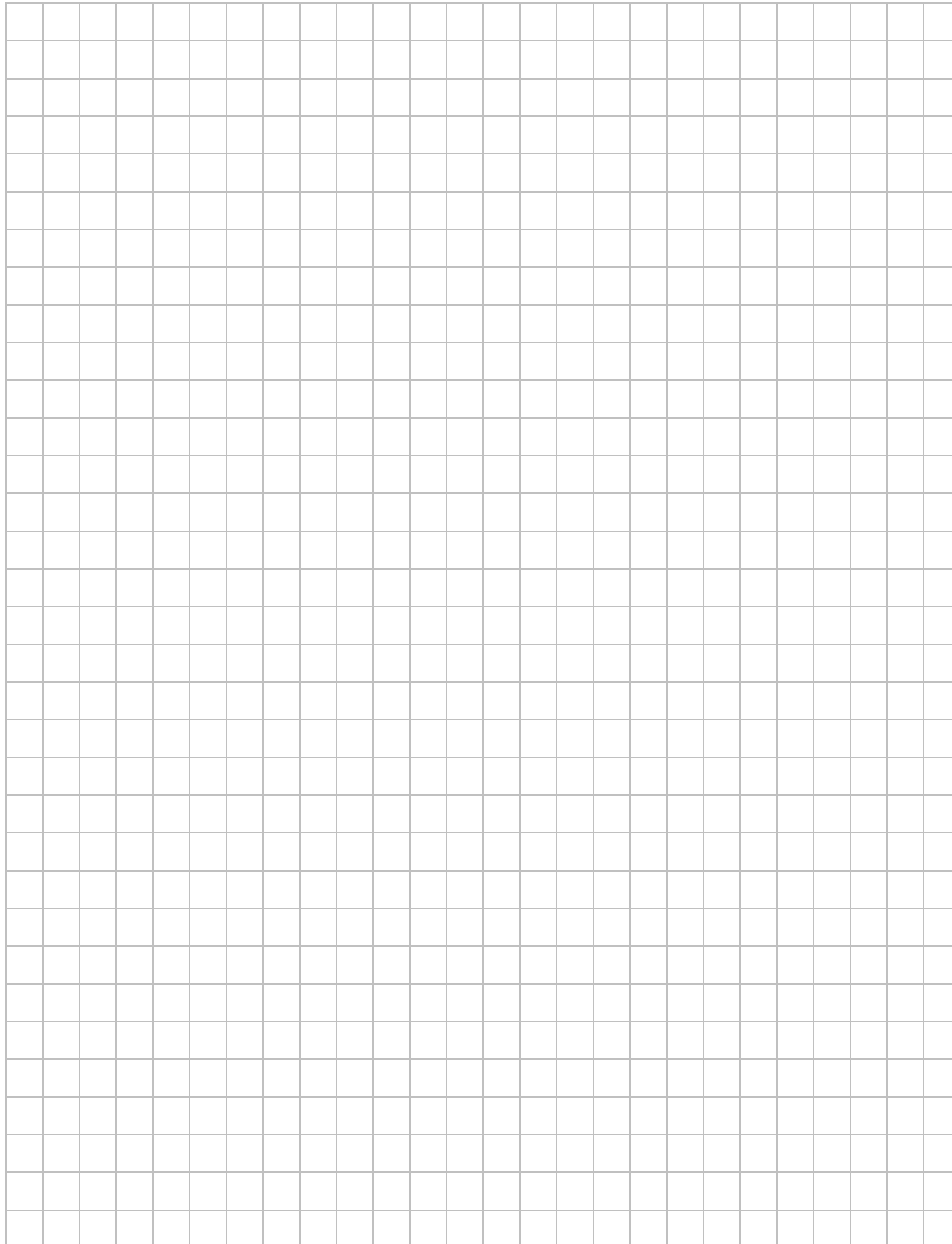
Creation

05-JAN-2011
by
Ivon LeBlanc

Revision

Table of Contents

Table of Contents	1
Soft Hose Caddy	3
Warranty Policy	4
When Applying Liquid Manure.....	5
Safety Precautions	6
Safety Decals	7
Unloading Your Hose Caddy	9
Temporary Hose Repair	12
Loading Your Hose Caddy	13
Parts Section	15
Required Maintenance	41
Technical Specifications	44
Useful Information	46



Soft Hose Caddy

We would like to thank you for purchasing your new **Cadman Soft Hose Caddy**. You have purchased a product of superior quality that will serve your needs for a long time provided you follow this manual and safety procedures.



Figure 1 – 6010 Soft Hose Caddy

img-00427

BEFORE operating your **Cadman Soft Hose Caddy**, inspect the machine for any damage or parts which may have come loose during shipping. **REPORT ANY DAMAGE TO CADMAN POWER EQUIPMENT LIMITED OR YOUR LOCAL DEALER IMMEDIATELY!**

Warranty Policy

CADMAN POWER EQUIPMENT LIMITED warrants that each machine it manufactures shall be free from defects in materials and workmanship. The terms of this warranty are as follows:

- All components manufactured by **CADMAN POWER EQUIPMENT LIMITED** shall be warranted for a period of one (1) year from the date of delivery, except the frame and hose drum structures which shall be warranted for a period of three (3) years.
- **CADMAN POWER EQUIPMENT LIMITED** makes no warranty whatsoever in regard to tires, engines, and other trade accessories used on its equipment. The customer shall rely solely on the warranties offered (if any) by the respective manufacturer of these trade accessories.

The sole obligation to **CADMAN POWER EQUIPMENT LIMITED** under this warranty is limited to the repair or replacement of any part it manufactured, which, in the judgment of **CADMAN POWER EQUIPMENT LIMITED**, failed under normal and proper use and maintenance due to defective materials or workmanship. All freight charges incurred shall be the sole responsibility of the customer.

CADMAN POWER EQUIPMENT LIMITED and its dealers (**who are neither authorized nor qualified to undertake any obligations on behalf of CADMAN POWER EQUIPMENT LIMITED**) **DO NOT**, under any circumstances, accept any responsibility for any losses or costs incurred due to parts failure and/or delays during the parts replacement process.

This warranty will be considered void if any alterations or modifications have been made to the machine without the express written consent of **CADMAN POWER EQUIPMENT LIMITED** outlining the nature and the extent of such modifications.

CADMAN POWER EQUIPMENT LIMITED, whose policy is one of continuous improvement, reserves the right to change specifications and designs without notice or incurring obligation.

The warranties expressed herein are non-transferable and replace any other warranties, either written or verbal, which may have been given or implied.

When Applying Liquid Manure

Environmental concerns seem to be driving legislative agendas in many agricultural areas across the continent. Current and pending laws in many agricultural regions of North America are changing the ways in which the agricultural community is expected to manage their liquid animal waste products.

The changes in legislation typically target two main issues; run-off prevention during and after application and soil nutrient loading.

Run-off seems to be the largest concern with nutrient application. Run-off may result from several different factors, most of which are controllable. These factors include; exceeding the soil intake rate; nutrient application on steep grades; high application amounts; leaking mainline fittings and seals; sudden rainfall during or immediately after application; ground frost; etc. Constant watch must be kept and immediate action taken when necessary to prevent run-off from occurring.

Soil nutrient loading depends on many variables. Some of these variables (but certainly not all) are soil type, type of crop being grown in the irrigated area, application timing, nutrient value of the material being applied (nutrient value should be assessed at the time of application as it can change throughout the year), etc.

Soil type will determine the intake rate at which liquid may be applied. Cultivation of the field just prior to application can improve the intake rate of some soils.

Great potential benefit lies in using the nutritional value of the manure being applied to replace some or all of the traditional chemical fertilizer used. Application timing and amount are important considerations. Soil analysis taken prior to planting and during the growth periods of the crop will help determine if there is room for further application amounts to be added prior to crop maturity. A total management plan should include provisions to end the crop season without surplus nutrients left as residual. These excess nutrients typically end up in the ground water supply. Local colleges, universities and agricultural extension services are usually a good source of information. They can usually help you determine an application program that prevents soil nutrient overload due to excess application.

Cadman Power Equipment Limited cannot possibly provide up-to-date recommendations with regard to the legal obligations you must deal with in your particular area. However, as a manufacturer of equipment used in nutrient application (liquid manure, milk house run-off, etc.), we feel it necessary to make you aware that the municipal, regional and state governing bodies in your area may have recently enacted new legislation or revised existing legislation with regard to nutrient handling practices and procedures.

It is your responsibility to make yourself aware of and abide by the current legislation in your area. Please take the time to contact your local agricultural representative to obtain the latest information regarding legal handling and application of manure.

Safety Precautions



Please take the time to read and understand this manual so that unnecessary errors and risks are avoided. If you have any questions or concerns, please contact **Cadman Power Equipment Limited** or your local dealer/distributor.

- **DO NOT** move or operate this machine until you have read and understand these instructions in this manual.
- **NEVER** allow untrained persons to operate this machine.
- **DO NOT** attempt to service this machine while it is in operation.
- **MAKE CERTAIN** all mechanical and hydraulic tension has been released before attempting any service on the machine.
- **CHECK** all fasteners (nuts and bolts) regularly for tightness.
- **PERFORM REQUIRED MAINTENANCE** as prescribed or as necessary to keep this machine in safe operating condition.
- **KEEP ALL SPECTATORS** at a safe distance.
- **STAY CLEAR** of high pressure supply lines, especially when first pressurizing the system.
- **DO NOT** remove or alter any shielding on this machine.
- **BE CERTAIN** that the machine is securely anchored (using a tractor) before unwinding the hose.
- **KEEP CLEAR** of all moving parts.
- **NEVER** tow this machine at speeds greater than **10 mph [16 km/h]** and be certain the tow vehicle has adequate braking capacity to maintain safe control at all times.
- **NEVER** tow this machine with the hose loaded with fluid.
- **BE AWARE** of any obstacles (i.e. mail boxes, fence posts, and other equipment) that you may encounter when transporting the machine.
- **REGULAR INSPECTION** of your pipe/hose couplings, tubing and gaskets should be a part of your regular set-up routine. Any defective parts **MUST** be replaced or repaired before the machine is put into service.

OPERATOR NOTE

Safety is just a word until put into practice.

Safety must be the first thing on your mind when operating any piece of machinery.

Failure to follow all safety instructions can result in serious injury or death to you and/or any spectators.

**THINK
SAFETY
FIRST**



This symbol, the safety-alert symbol, indicates a hazard. When you come across the safety-alert symbol in this manual, make certain you fully understand and abide by the given instructions or warnings.

Safety Decals

Cadman Power Equipment Limited has determined the potential hazards and has labeled the machine accordingly. The safety decals on this machine are intended to warn the operator of potential hazards.



Figure 2 - Signal Word Panels

img-00340

Each safety decal on this machine contains a Signal Word Panel which indicates the degree of hazard. Definitions of the Signal Words are as noted below...

- **DANGER** - an imminently hazardous situation that, if not avoided, **WILL** result in death or serious injury.
- **WARNING** - a potentially hazardous situation that, if not avoided, could result in death or serious injury, and include hazards that are exposed when guards are removed.
- **CAUTION** - a potentially hazardous situation that, if not avoided, may result in minor or moderate injury.

It is important that these decals are properly maintained.

- keep all safety decals legible (remove dirt or debris)
- replace any damaged or illegible decals
- replace any missing decals
- if applicable, install the current safety decal specified by **Cadman Power Equipment Limited** on any components installed during repair



Figure 3 – Replace Decal

img-00131-A

Location of Safety Decals

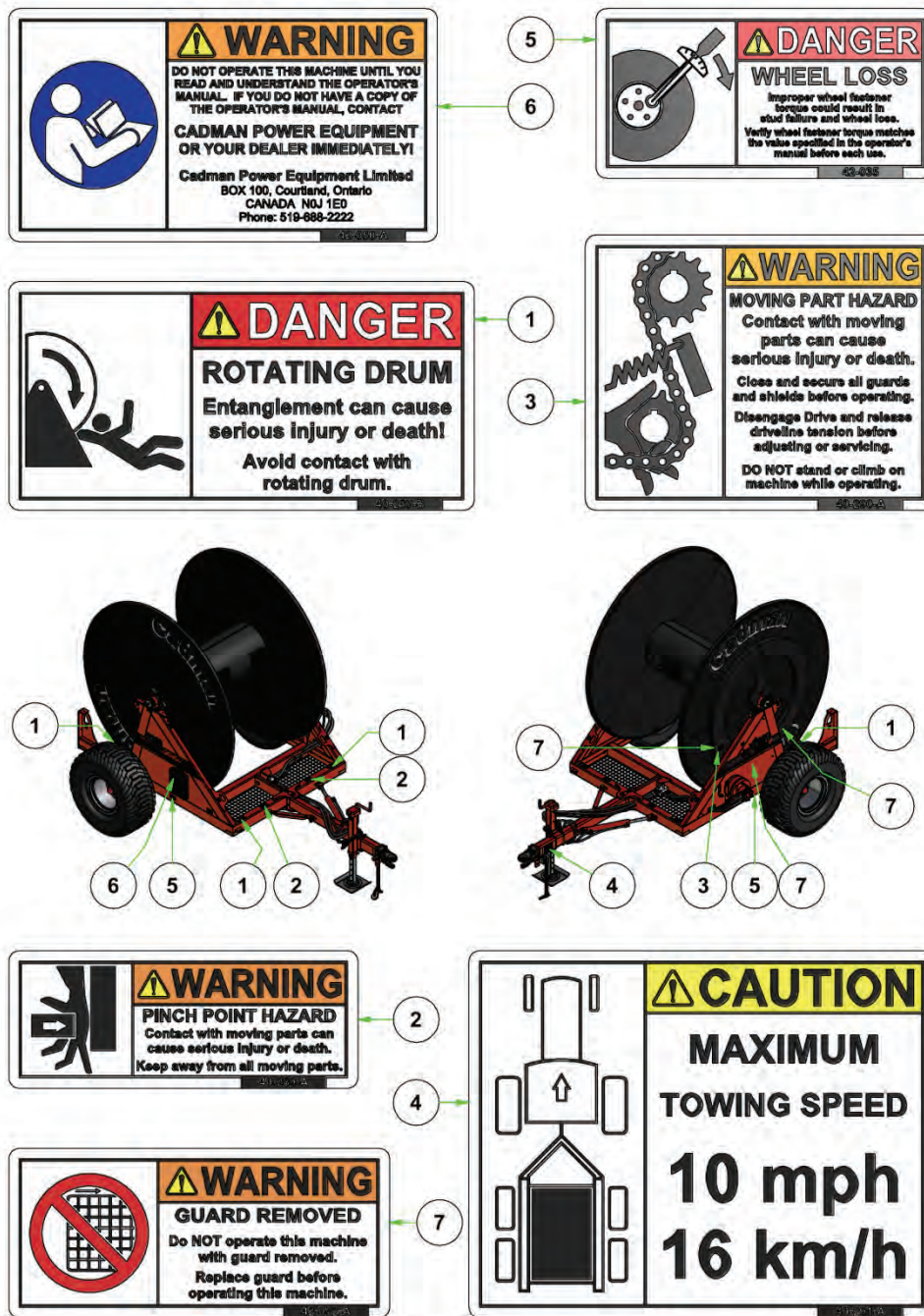


Figure 4 - Safety Label Location

img-00429

To obtain the required replacement safety decals contact **Cadman Power Equipment Limited** or your **Local Dealer**. Re-install all decals in the proper location on the machine. For part numbers please see page 30.

Unloading Your Hose Caddy

Complete the following instructions to unload your Soft Hose Caddy...

Step 1

Connect the hydraulic motor hoses to the primary hydraulic port (*if available*). Connect the third hydraulic motor hose (*Case Drain*) from the hydraulic motor to a hydraulic motor return circuit (*leak-off line port*). Each tractor manufacturer may locate the hydraulic return circuit port in a different location based on each unique model. Review your tractors operator's manual or contact your tractor dealer for the location of this port. Connect the remaining cylinder hose pair.



It is important to ensure that the case drain hose is connected to a restriction free drain port on the tractor. This port **MUST not exceed a working pressure of 100 psi [6.9 bar]. Connecting the case drain line to a pressurized port **WILL** result in motor and/or machine damage.**

Step 2

Engage the drum brake and lock prior to moving your **Cadman Soft Hose Caddy**.

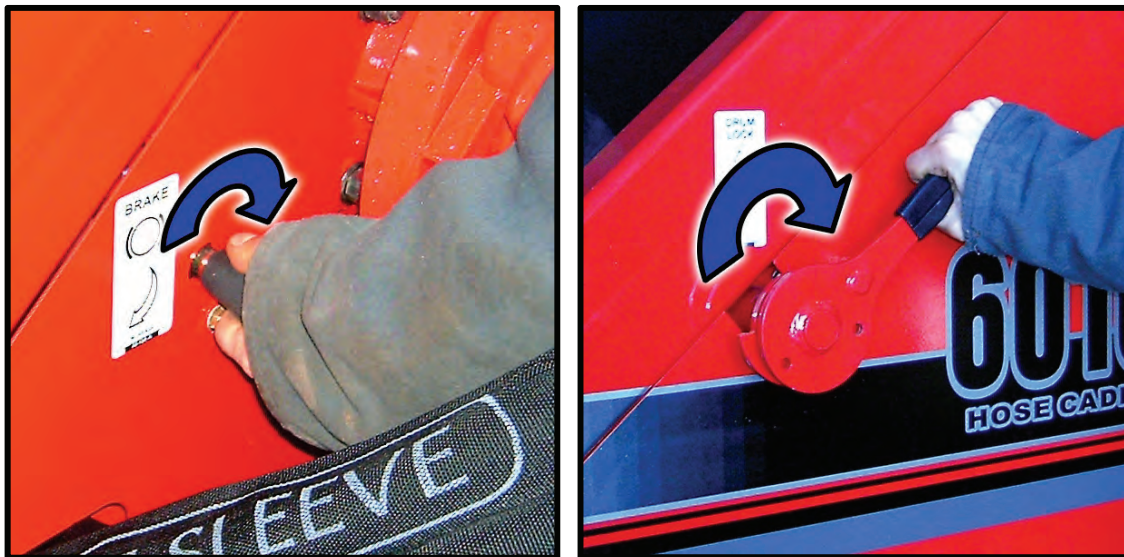


Figure 5 - Engage Drum Brake and Lock Prior to Transport

img-00430 & img-00433



It is important to verify that the drum brake and lock are engaged prior to moving your Cadman Soft Hose Caddy. Failure to do so can result in equipment damage.

Step 3

Ensure the tongue brace is in the locked position.

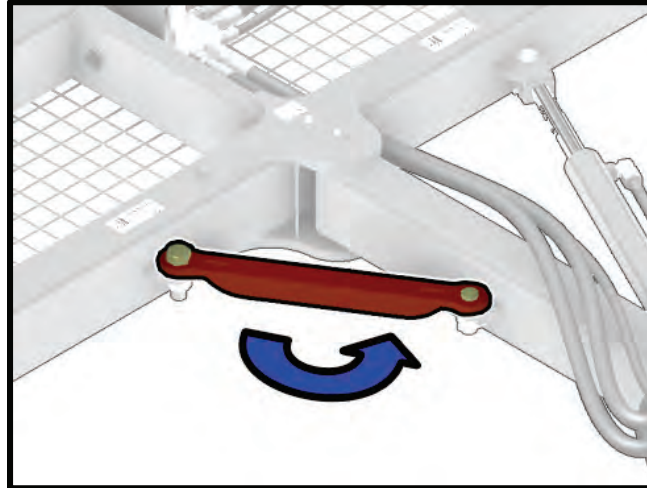


Figure 6 - Tongue Brace in Locked Position

img-00434

Step 4

Once at the required site, disengage the drum lock and release the drum brake. Leave enough brake tension to control drum freewheel.

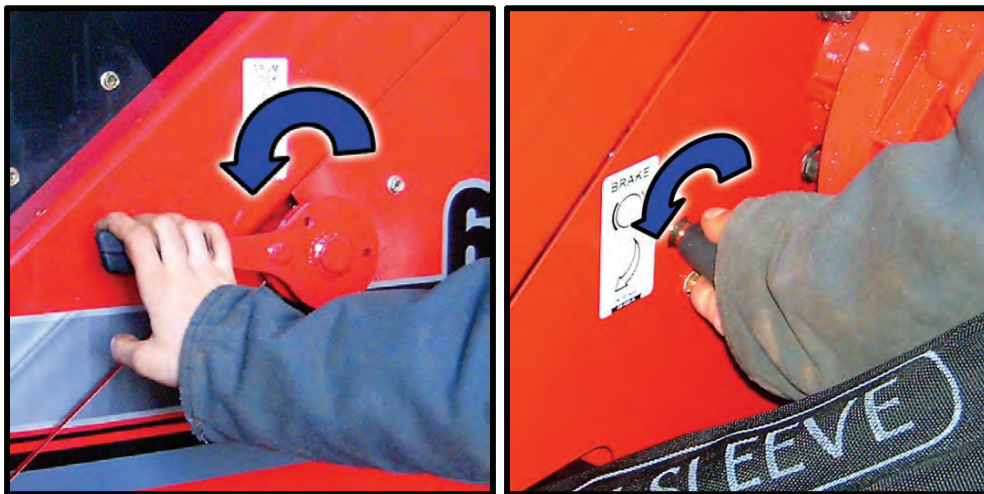


Figure 7 - Disengage Drum Lock and Release Brake

img-00431 & img-00432

Step 5

Engage the tractor hydraulics so the drum rotates away from the rear of the tractor. This will allow the soft hose to unreel. To put the drum into neutral (*free wheel*) shift the tractors hydraulic controls into the float position.

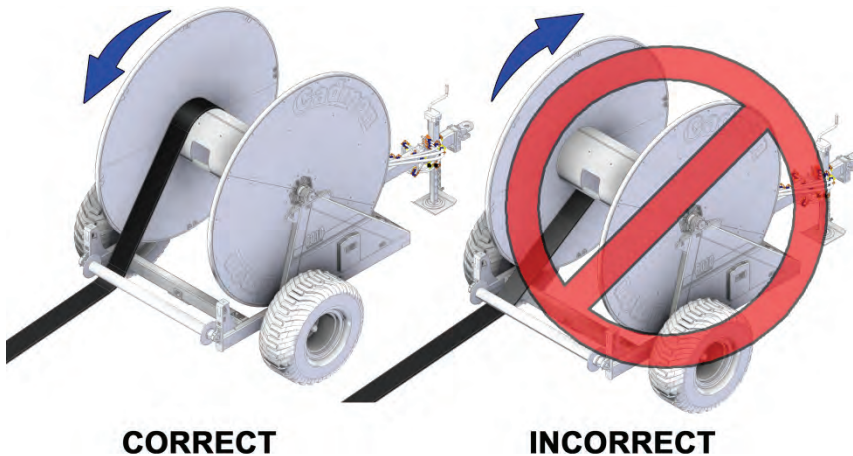


Figure 8 - Reel Direction

img-00441

As you unreel soft hose, drive the tractor and hose caddy (at a low rate of speed) along the required hose path.

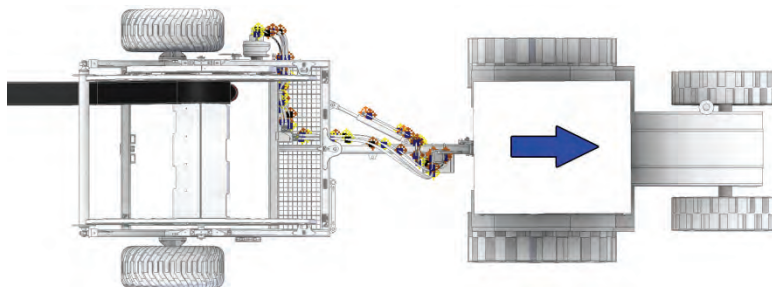


Figure 9 - Unreel Hose Slowly

img-00188-A

Step 7

When the soft hose is nearing the last wrap stop the tractor and disengage the hydraulics. Slowly rotate the drum so that the hose end fitting can be easily removed manually.



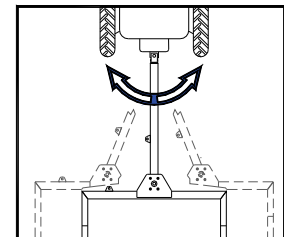
Failure to remove the hose end manually from the Soft Hose Caddy can result in hose, coupler or drum damage.

OPERATOR NOTE



Where field conditions permit, always attempt to pull the hose either up or down sloping terrain instead of operating across a side hill.

The **Cadman Soft Hose Caddy** allows the operator to offset the tracking of the unit. This allows the hose caddy to be towed to either side of center while unloading the hose. You **MUST** disengage the tongue brace prior to attempting offset tracking.



img-00187

When towing the hose caddy in the offset position be aware of obstacles in your path.



Temporary Hose Repair

In some cases your hose may become punctured during regular usage in the field. If this occurs complete the following steps to temporarily repair your hose.

Step 1

Stop pumping fluid through the hose. Wait until all line pressure has dissipated. Or use a pair of hose pinchers to isolate the damaged hose



A hose with a puncture may burst. Stay clear of a hose that is under pressure. Failure to stay clear may result in serious injury.

Step 2

Clean the area with water.

Step 3

Slide the temporary repair sleeve (*equipped on every Cadman Supply Hose*) to the damaged area of hose.



Figure 10 - Pull Repair Sleeve

img-00444

Step 4

Pressurize the line.

Step 5

Once you have completed pumping, repair the hose using a hose mender. See page 38 for hose mending parts.

Loading Your Hose Caddy



Prior to loading the Soft Hose Caddy, Cadman Power Equipment Limited requires that you clean the hoses with a proper clean-out procedure (*i.e. clean-out ball launcher or water flushing*). Failure to do so **WILL** result in gas build up in the hoses creating a great deal of pressure. This can cause equipment failure which could result in serious injury and/or death.

Complete the following instructions to load your Soft Hose Caddy...

Step 1

Position the Soft Hose Caddy relatively straight to the hose end. Disconnect a section of the soft hose by uncoupling the clamp.



Never pull more than two (2) empty hoses at one time. Extensive damage to your Hose Caddy WILL result.

Step 2 (*if equipped*)

Position the Soft Hose Caddy with the tractor so that one end of the soft hose can be looped under the roller (*if equipped*) and inserted into the opening in the hose drum.

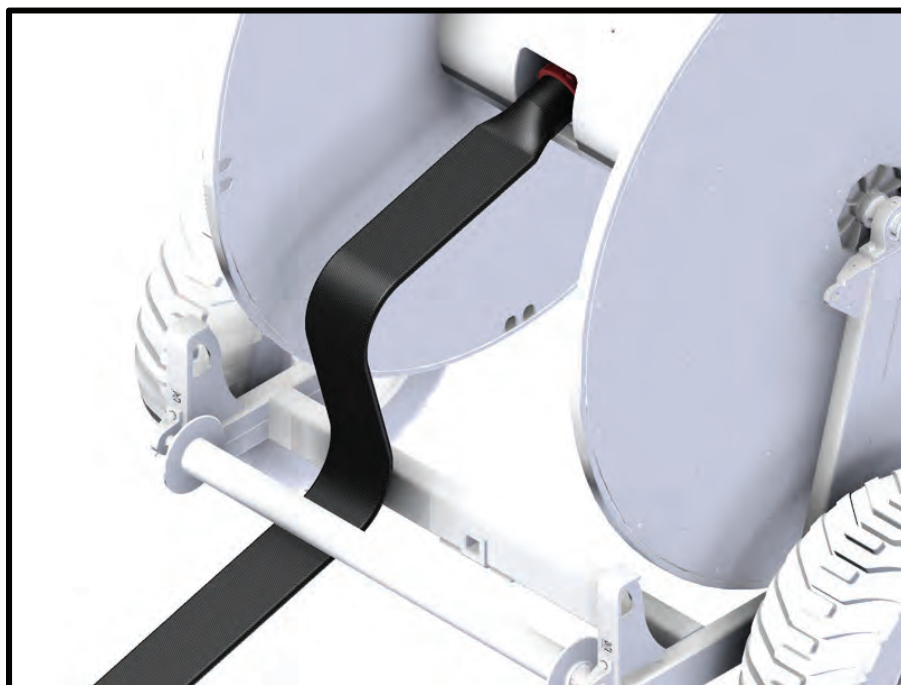


Figure 11 - Insert Hose into Reel Opening

img-00436

Step 3

With one end of the hose inserted into the drum, remove the tongue brace and engage the tractor hydraulics so that the drum rotates towards the tractor. The soft hose should always be reeled in on the topside of the drum.

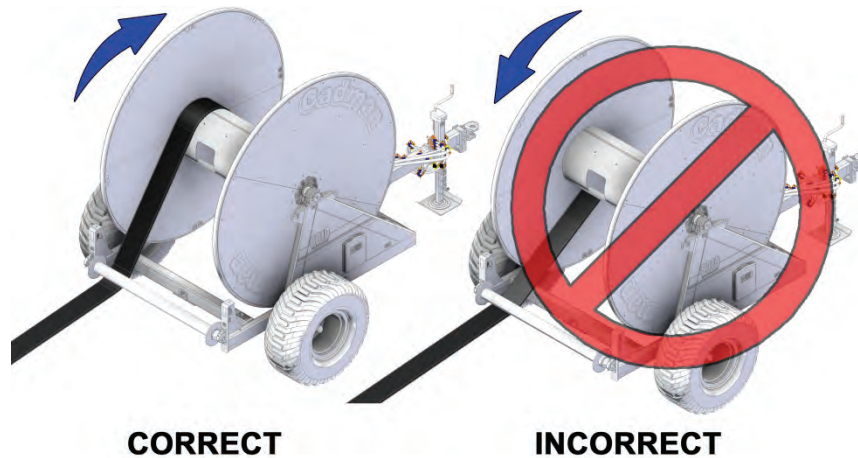


Figure 12 - Reel Direction

img-00446

Step 4

Guide the hose so that it is evenly distributed over the entire reel. Use the cylinder control to index the Soft Hose Caddy left and right to aid in the distribution of the hose.

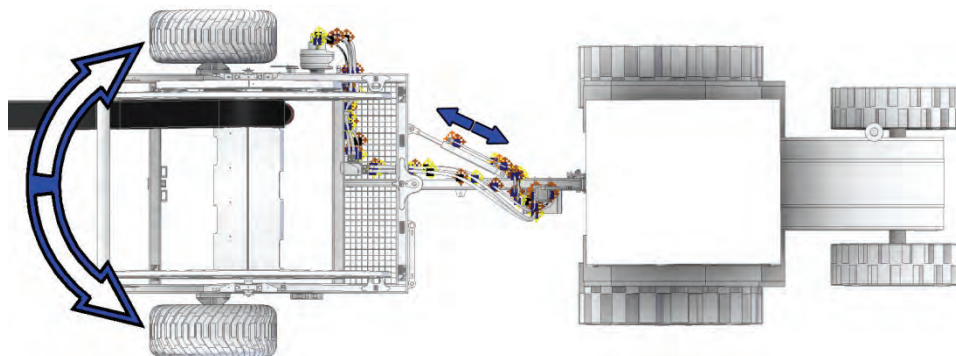


Figure 13 - Index Hose Caddy

img-00186-A



Do not index Soft Hose Caddy with rapid motion. Use small movements to adjust hose distribution. Keep spectators at a safe distance to prevent injury.

Step 5

When the first hose has been retrieved, return to Step 1 for the remaining hoses.

Parts Section

From Serial Number:

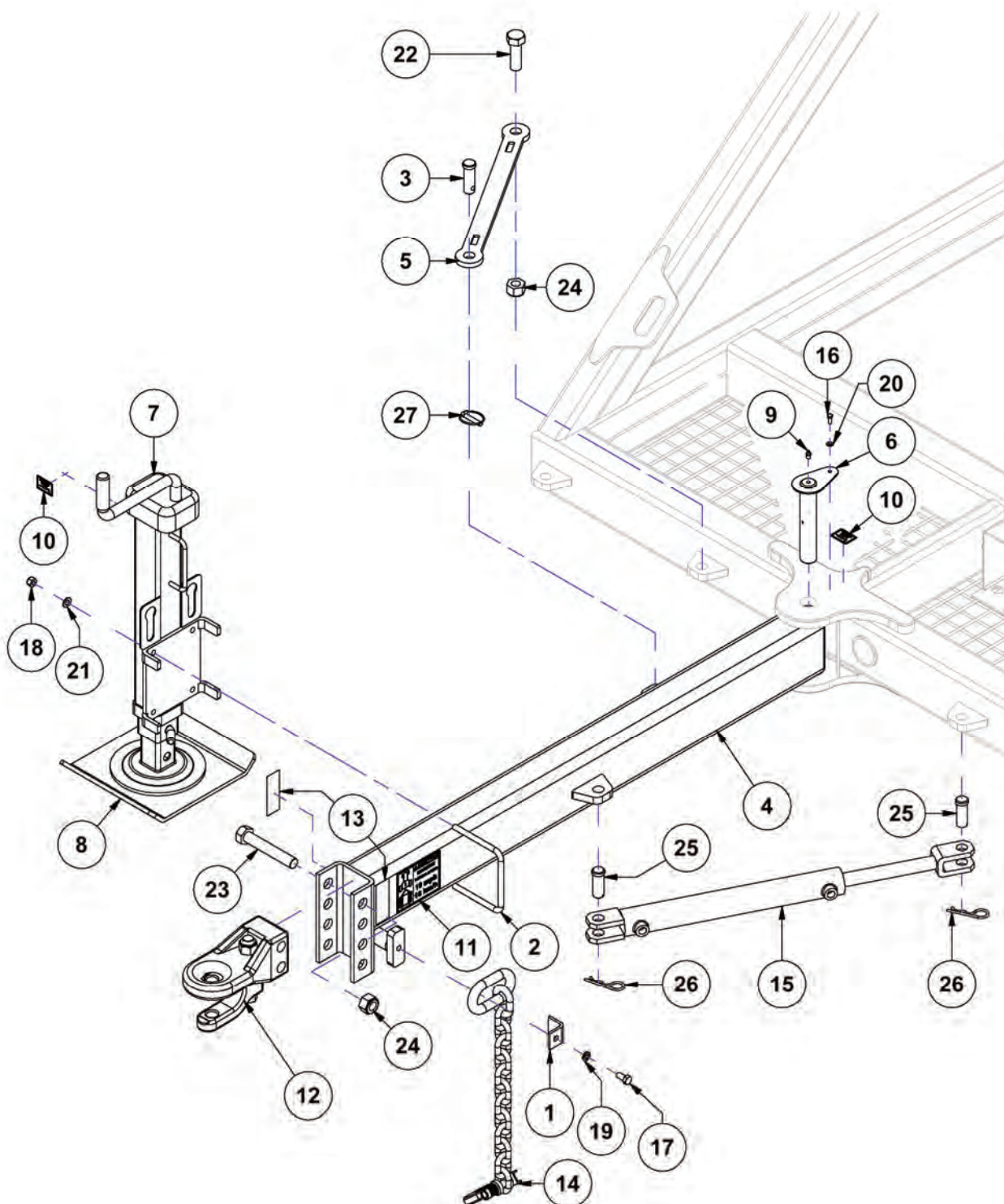
0021008HC6010

Tongue Assembly.....	16
Frame Assembly.....	18
Spindle Assembly.....	20
Drum Assembly	22
Drive Assembly.....	24
Shield/Drum Lock Assembly	26
Hydraulic Assembly	28
Decal Assembly	30
Hose Divider Option - Single ○	32
Hose Divider Option - Multiple ○	33
Hose Roller Option ○	34
Hose Roll Bar Option ○	35
Light Option ○	36
Turn Signal Housing	37
Hose Coupler Options ○.....	38

Symbol Legend

↪	Model Variations
•	Standard Equipment
○	Optional Equipment
◆	Complete Assembly
AR	As Required
N/A	Not Available

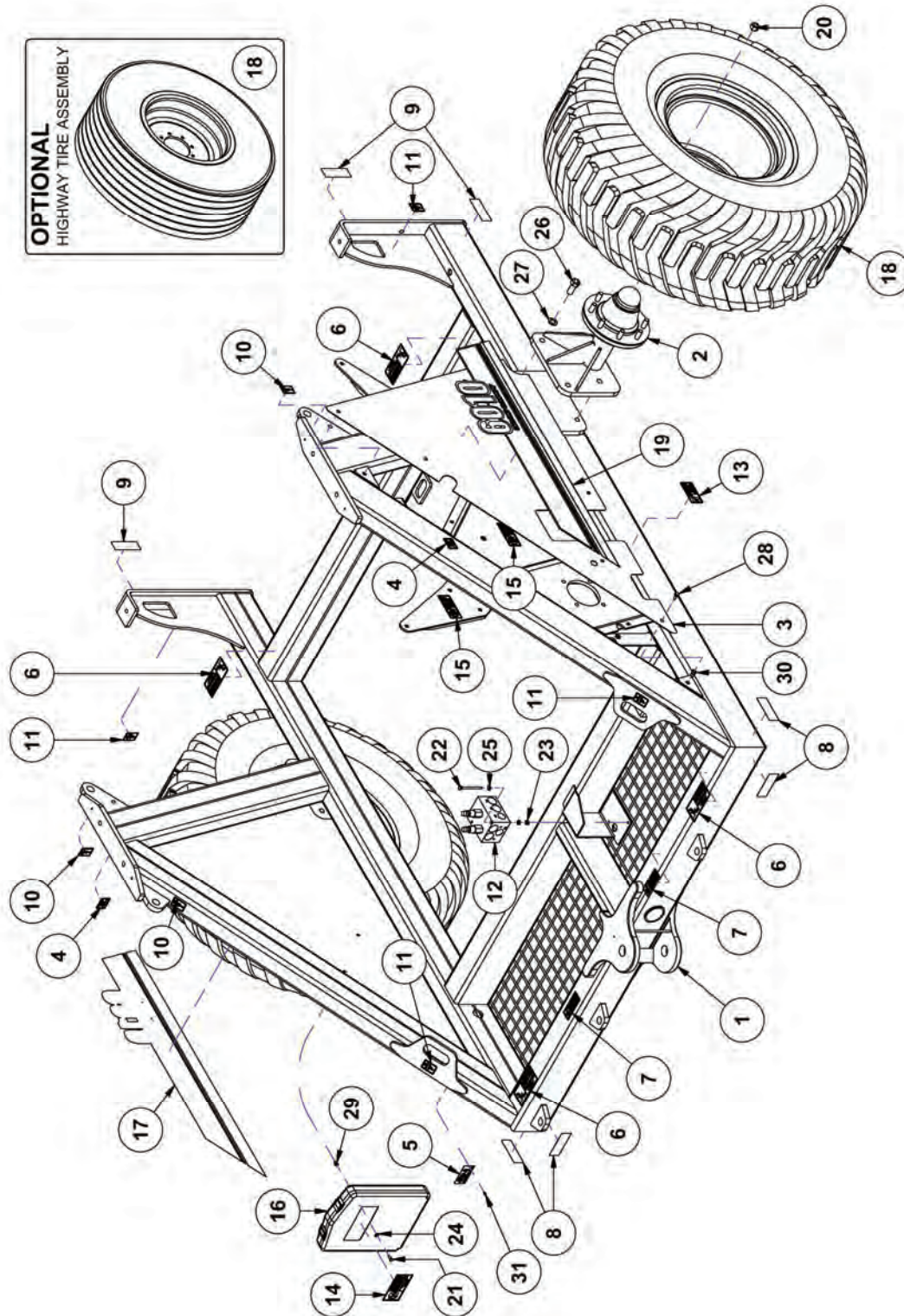
Tongue Assembly



Tongue Assembly

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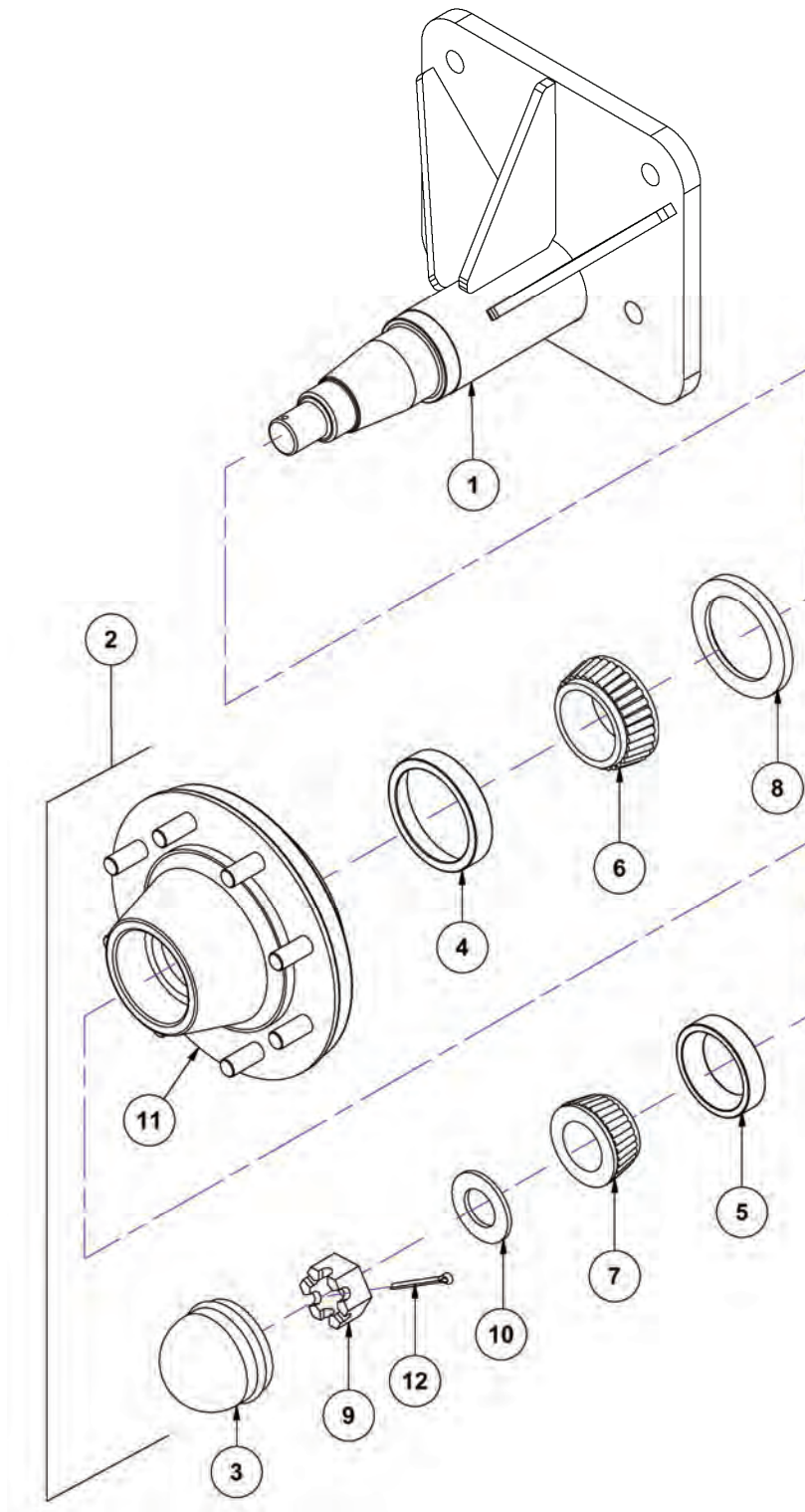
Frame Assembly



Frame Assembly

Item	Description	Part Number	Qty
1	MAIN FRAME WELDMENT	31-400-A	1
2	SPINDLE WELDMENT (SEE PAGE 20)	31-600	2
3	LEFT SIDE COVER	31-610-C	1
4	LABEL - GREASE POINT	40-041-A	2
5	CADMAN SERIAL NUMBER TAG	40-238	1
6	LABEL - ROTATING DRUM	40-287-B	4
7	LABEL - PINCH POINT	40-289-A	2
8	DECAL - AMBER REFLECTIVE	40-598	4
9	DECAL - RED REFLECTIVE	40-599	4
10	LABEL - LIFT POINT	40-933	3
11	LABEL - TIE DOWN POINT	40-947	4
12	MANIFOLD - HOSE CADDY	40-HYD-LDN20091101	1
13	LABEL - TORQUE WHEELS	42-035	2
14	LABEL - OPERATOR MANUAL	42-050-A	1
15	LABEL - GUARD REMOVED	42-052-A	2
16	MANUAL PAK - LARGE	42-071	1
17	SIDE FRAME DECAL - 6010 R.H.	42-DCL-6010L	1
18	WHEEL ASSEMBLY - 44X18X20	55-161 •	2 •
↳	WHEEL ASSEMBLY - 385/65R22.5	55-140 ○	2 ○
19	SIDE FRAME DECAL - 6010 L.H.	42-DCL-6010R	1
20	NUT LUG - 5/8-18	55-147	16
21	BOLT - 1/4-20 X 3/4	88-BLT-02520X075	2
22	BOLT - 5/16-18 X 3 1/2	88-BLT-03118X350	2
23	NUT LOCK - 5/16-18	88-NUT-LOC31-18	2
24	WASHER SAE - 1/4	88-WSR-SAE025	2
25	WASHER SAE - 5/16	88-WSR-SAE031	4
26	BOLT GR.8 - 3/4-10UNC X 1 3/4	89-BLT-07510X175	8
27	WASHER SAE GR.8 - 3/4	89-WSR-SAE075	8
28	BOLT FLANGE HEAD - 5/16-18UNC X 3/4	90-BLT-F03118X075	6
29	THREADED INSERT - 1/4-20 SHORT	90-NUT-HTR02520S	2
30	THREADED INSERT - 5/16-18 LONG	90-NUT-HTR03118L	6
31	RIVET - 3/16 X 5/16 LG.	90-RIV-019X031	2

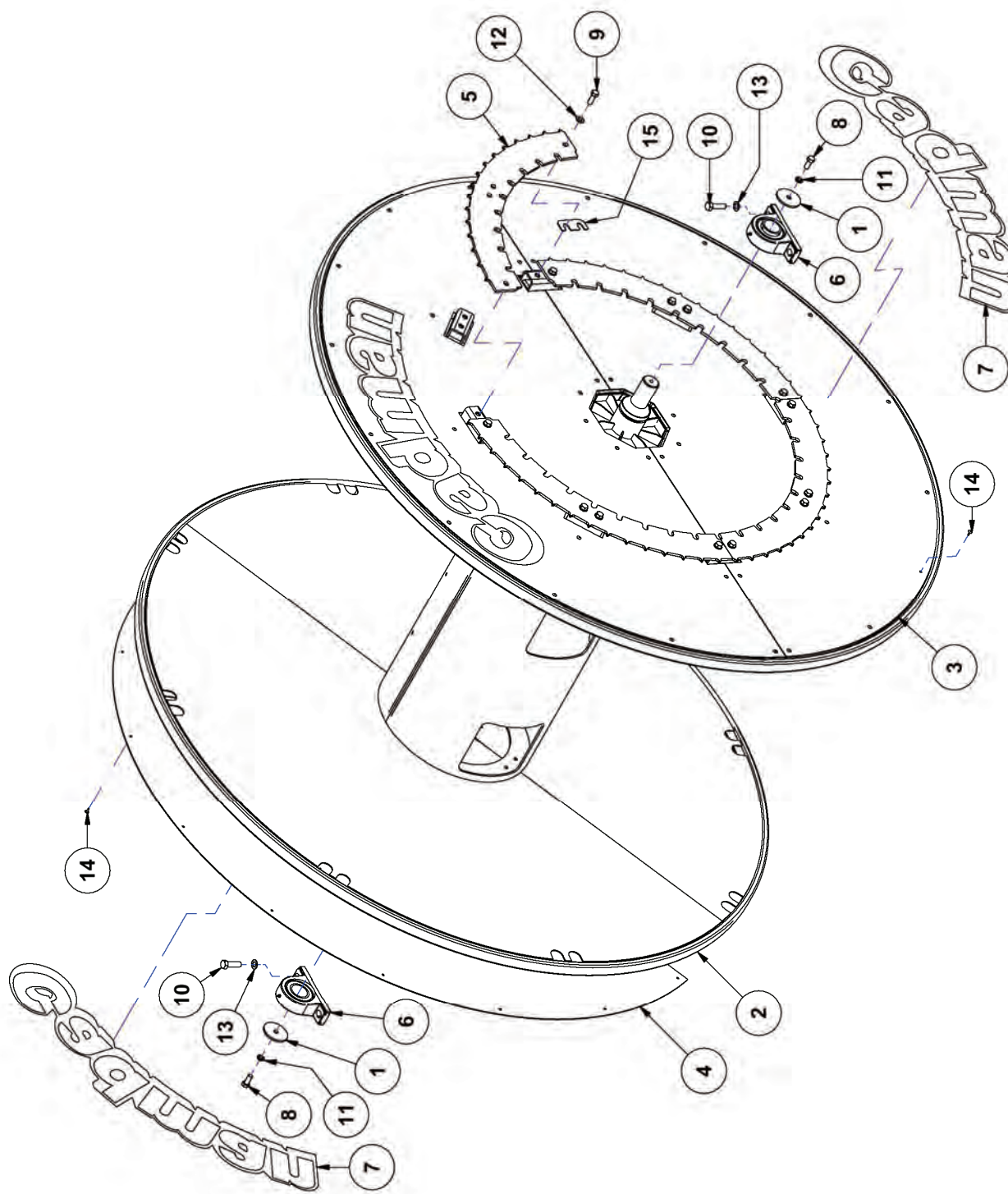
Spindle Assembly



Spindle Assembly

[illegible]

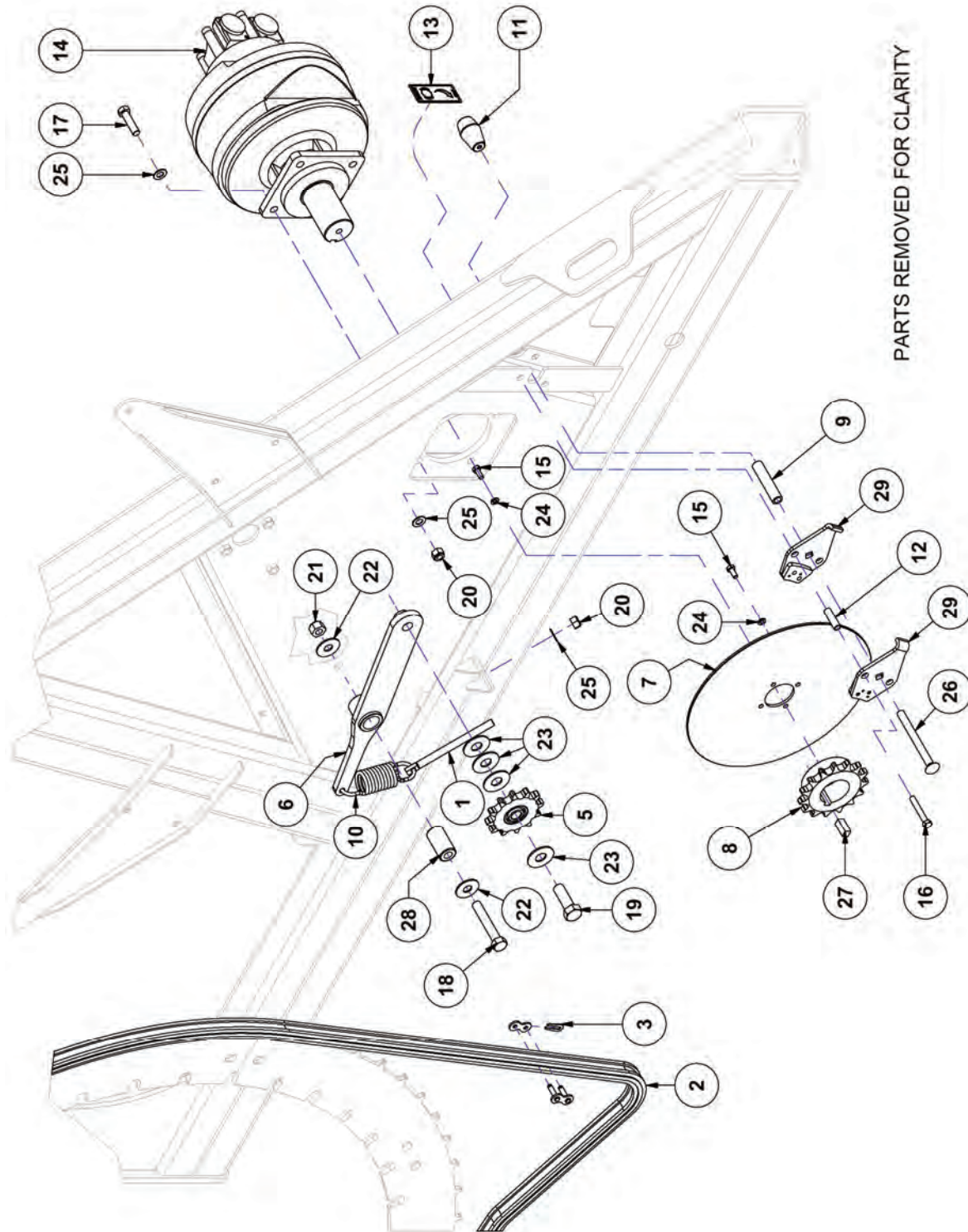
Drum Assembly



Drum Assembly

[illegible]

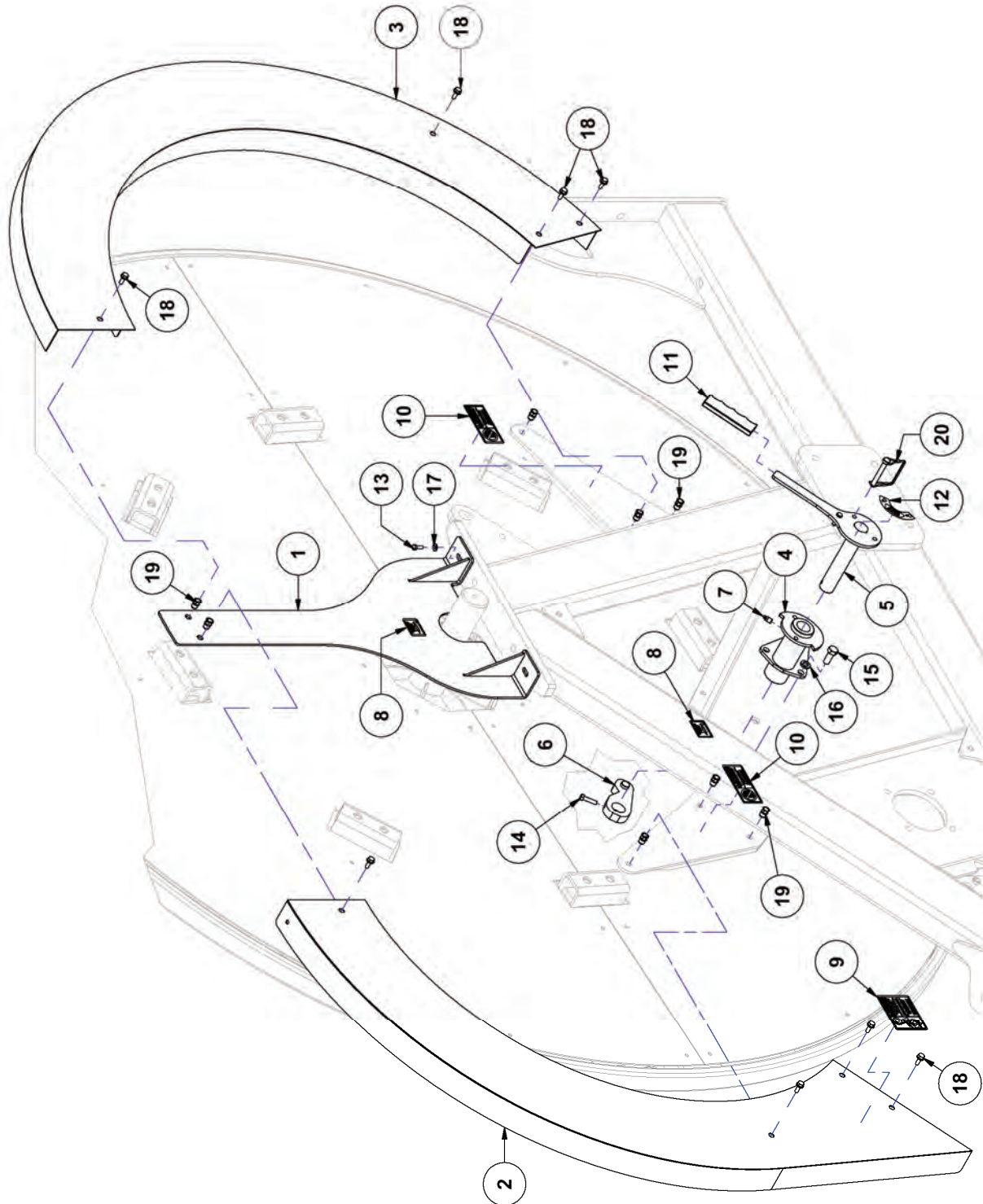
Drive Assembly



Drive Assembly

Item	Description	Part Number	Qty
1	SPRING ADJUSTING ROD	06-635-B	1
2	ROLLER CHAIN - #80 RIVETED	10-CHN-80-1RIV	222
3	LINK - #80 CONNECTING	10-LNK-80CONN	1
4	LINK - #80 OFFSET	10-LNK-80OFFSET	AR
5	SPROCKET - #80-12 X 3/4 IDLER	10-SPT-80-12IDLER-KN	1
6	IDLER ARM	31-609-C	1
7	BRAKE DISC - MACHINED	31-620-A	1
8	SPROCKET - 80B15X225 MACHINED	31-621-A	1
9	SLEEVE - BRAKE BOLT	31-746-A	1
10	SPRING - 1 3/4 X 5 EXT. (IDLER)	40-056	1
11	HANDLE KNOB	40-182	1
12	SPACER, 1/2 X 1 3/4 LG.	40-183	2
13	LABEL, BRAKE ADJUST	40-188-A	1
14	HYDRAULIC MOTOR	40-HYD-M380CC	1
15	BOLT - 5/16-18 X 3/4	88-BLT-03118X075	4
16	BOLT - 3/8-16 X 2 1/2	88-BLT-03816X250	2
17	BOLT - 1/2-13 X 2.00	88-BLT-05013X200	4
18	BOLT - 5/8-11 X 3 3/4	88-BLT-06311X375	1
19	BOLT - 3/4-10 X 2 1/4	88-BLT-07510X225	1
20	NUT LOCK - 1/2-13	88-NUT-LOC050-13	5
21	NUT LOCK - 5/8-11	88-NUT-LOC063-11	1
22	WASHER FLAT - 5/8	88-WSR-FLT063	2
23	WASHER FLAT - 3/4	88-WSR-FLT075	4
24	WASHER LOCK - 5/16	88-WSR-LOC031	4
25	WASHER SAE - 1/2	88-WSR-SAE050	9
26	BOLT CRG. - 1/2-13 X 5 1/2 LG	90-BLT-CG05013X550	1
27	KEY, 1/2 SQ. X 1 1/4 LG.	90-KEY-SQ050X125	1
28	PIVOT BUSHING	C3-309-A	1
29	BRAKE CALIPER HALF	C3-653	2

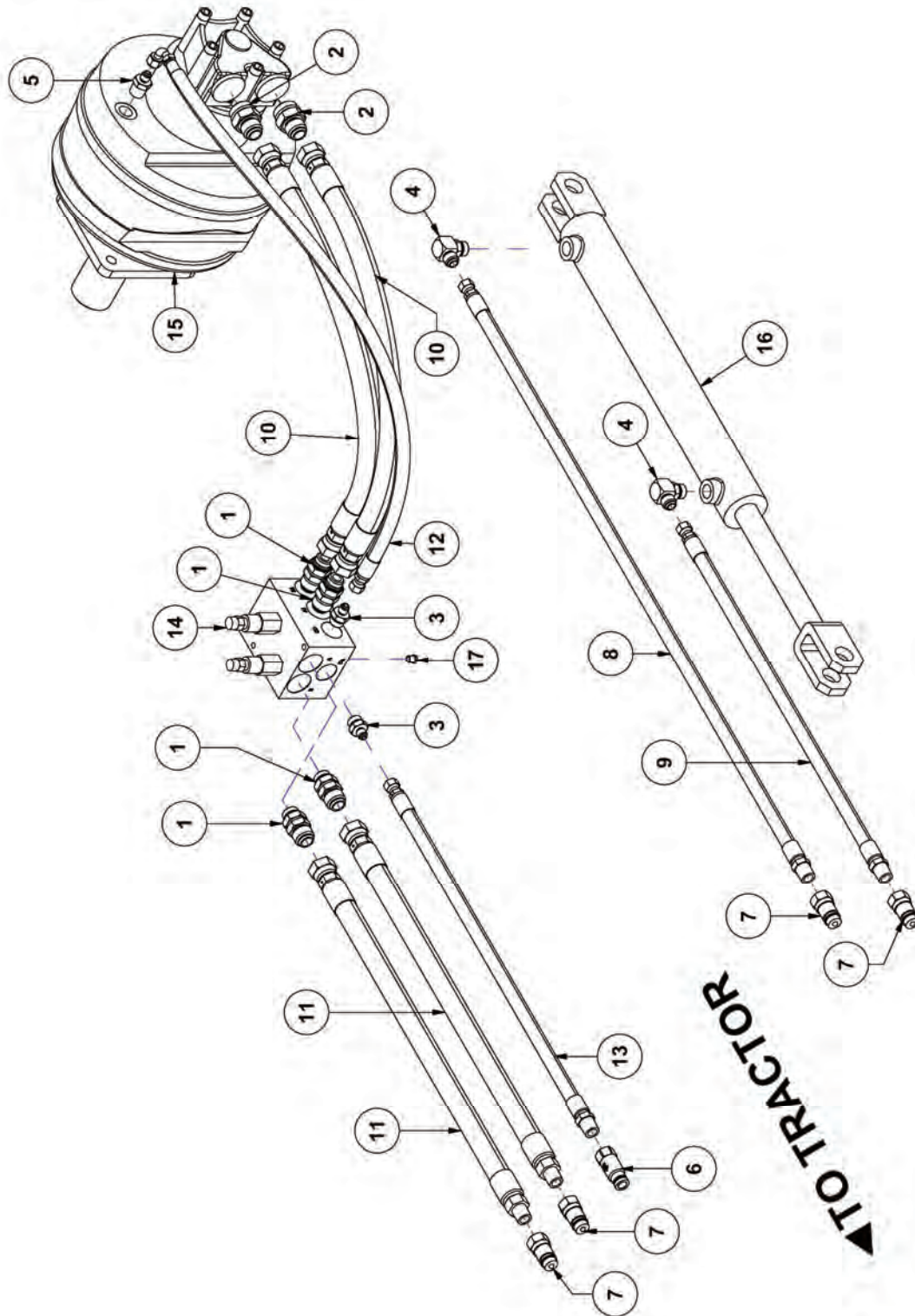
Shield/Drum Lock Assembly



Shield/Drum Lock Assembly

[illegible]

Hydraulic Assembly



Hydraulic Assembly

[illegible]

Decal Assembly

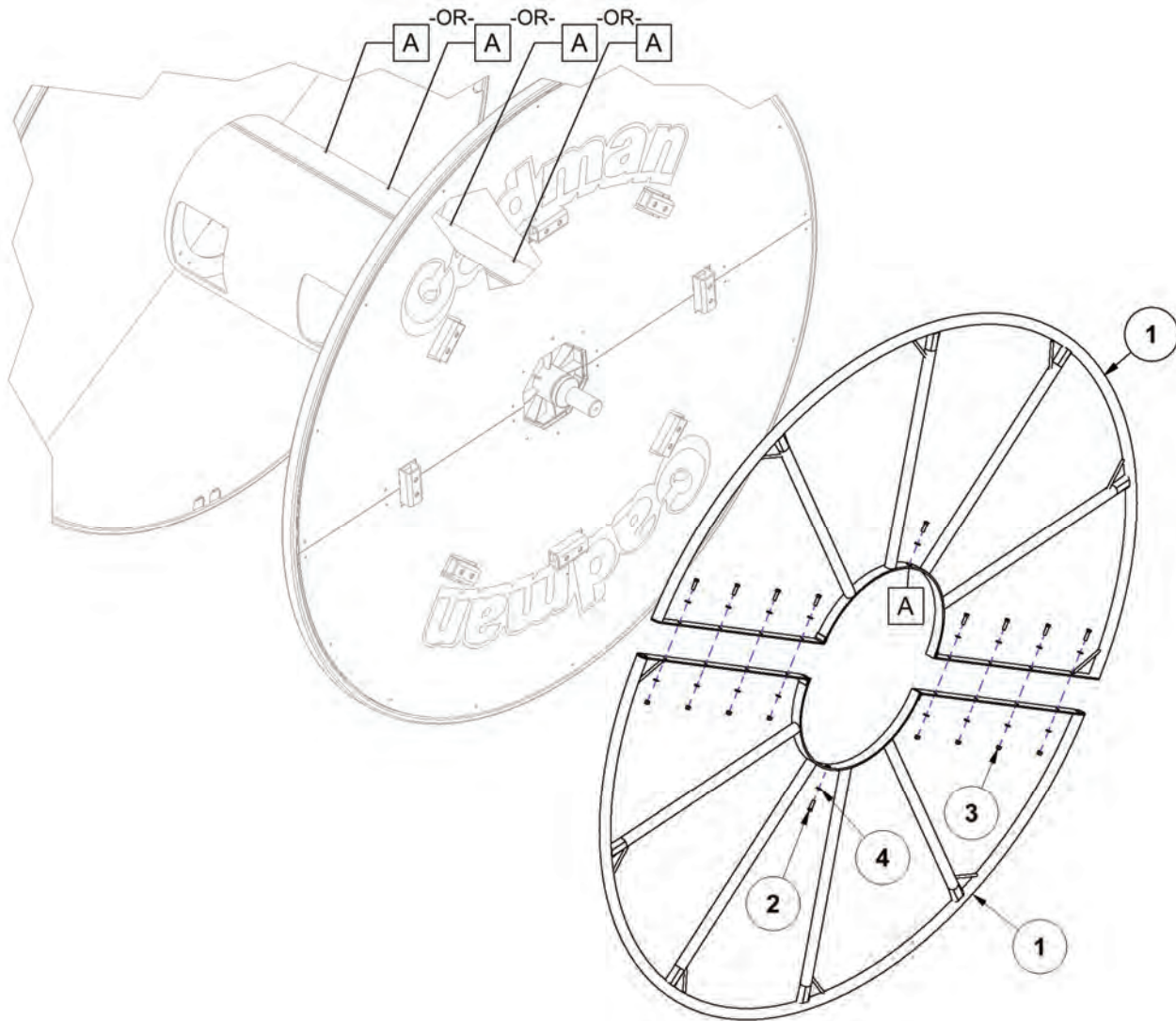


Decal Assembly

[illegible]

Hose Divider Option - Single ○

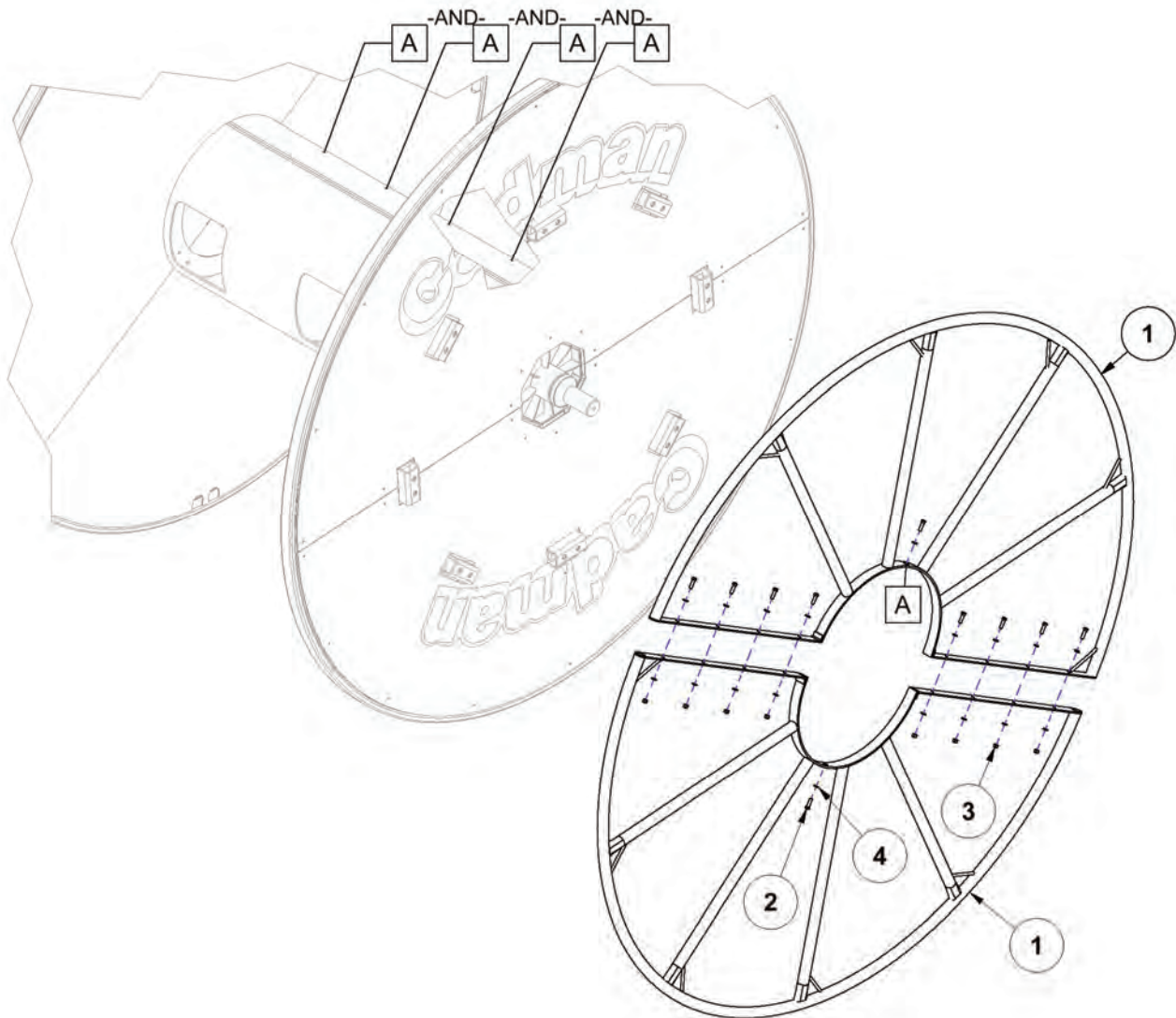
TR-OPT-D98S



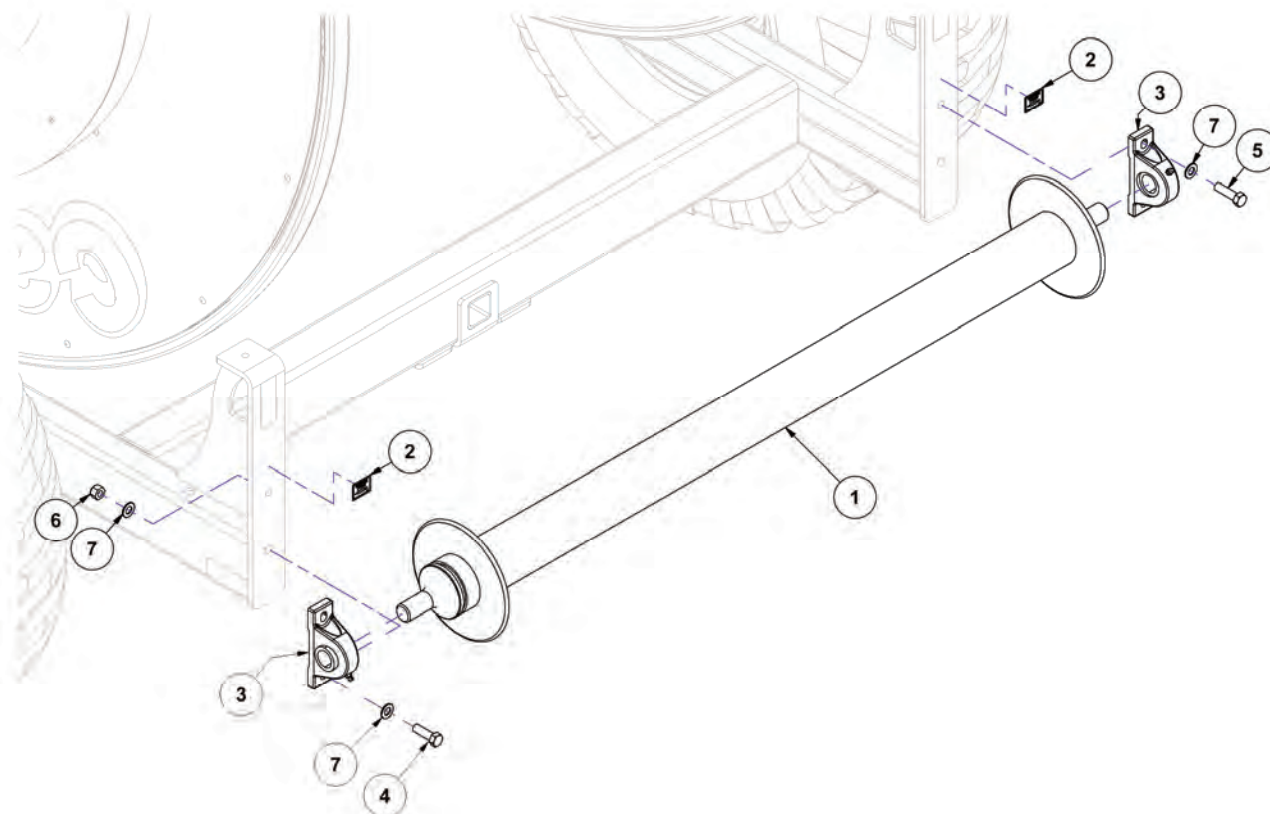
Item	Description	Part Number	Qty
◆	SINGLE HOSE DIVIDER OPTION	TR-OPT-D98S	◆
1	HOSE DIVIDER WELDMENT	31-529	2
2	BOLT - 3/8-16 X 1 1/4	88-BLT-03816X125	10
3	NUT LOCK - 3/8-16	88-NUT-LOC038-16	8
4	WASHER SAE - 3/8	88-WSR-SAE038	18

Hose Divider Option - Multiple ○

TR-OPT-D98



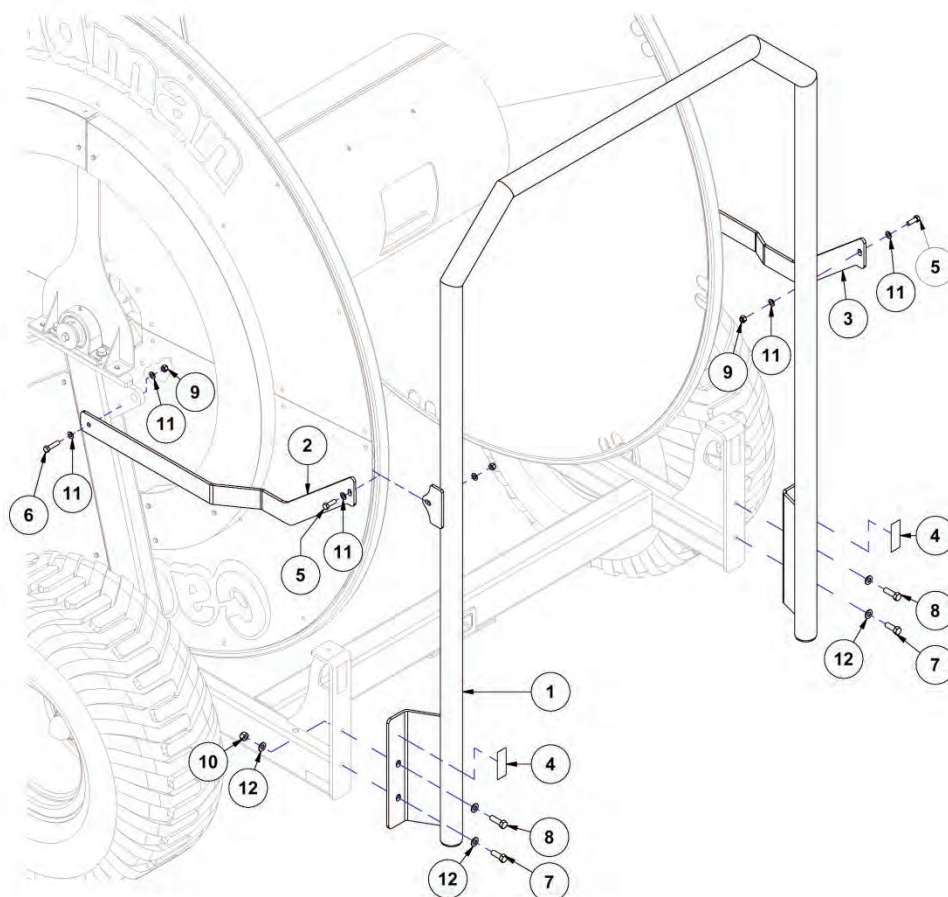
Item	Description	Part Number	Qty
◆	MULTIPLE HOSE DIVIDER OPTION	TR-OPT-D98	◆
1	HOSE DIVIDER WELDMENT	31-529	8
2	BOLT - 3/8-16 X 1 1/4	88-BLT-03816X125	40
3	NUT LOCK - 3/8-16	88-NUT-LOC038-16	32
4	WASHER SAE - 3/8	88-WSR-SAE038	72

Hose Roller Option ○
TR-OPT-HCR


Item	Description	Part Number	Qty
◆	HOSE ROLLER OPTION	TR-OPT-HCR	◆
1	HOSE ROLLER	31-601-B	
2	LABEL - GREASE POINT	40-041-A	2
3	PILLOW BLOCK BEARING - 1 1/2"	42-255	2
4	BOLT - 5/8-11 X 2.00	88-BLT-06311X200	2
5	BOLT - 5/8-11 X 2 1/4	88-BLT-06311X225	2
6	NUT LOCK - 5/8-11	88-NUT-LOC063-11	2
7	WASHER SAE - 5/8	88-WSR-SAE063	6

Hose Roll Bar Option ○

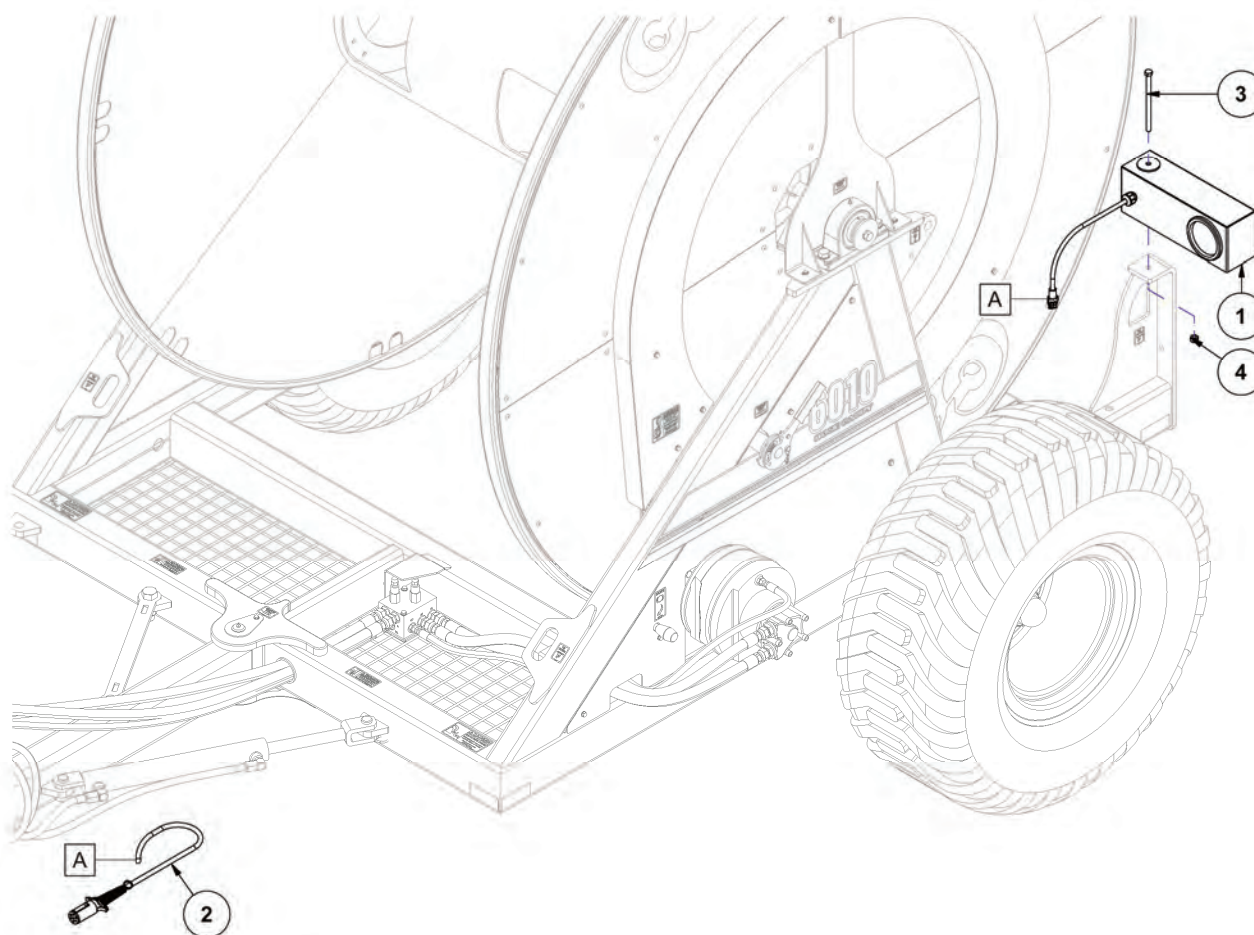
TR-OPT-HCRB



Item	Description	Part Number	Qty
◆	HOSE ROLL BAR OPTION	TR-OPT-HCRB	◆
1	HOSE GUIDE BAR WELDMENT	31-617-A	1
2	LEFT BRACE	31-739-A	1
3	RIGHT BRACE	31-742-A	1
4	DECAL - RED REFLECTIVE	40-599	2
5	BOLT - 1/2-13 X 1 1/2	88-BLT-05013X150	2
6	BOLT - 1/2-13 X 2.00	88-BLT-05013X200	2
7	BOLT - 5/8-11 X 1 3/4	88-BLT-06311X175	2
8	BOLT - 5/8-11 X 2.00	88-BLT-06311X200	2
9	NUT LOCK - 1/2-13	88-NUT-LOC050-13	4
10	NUT LOCK - 5/8-11	88-NUT-LOC063-11	2
11	WASHER SAE - 1/2	88-WSR-SAE050	8
12	WASHER SAE - 5/8	88-WSR-SAE063	6

Light Option ○

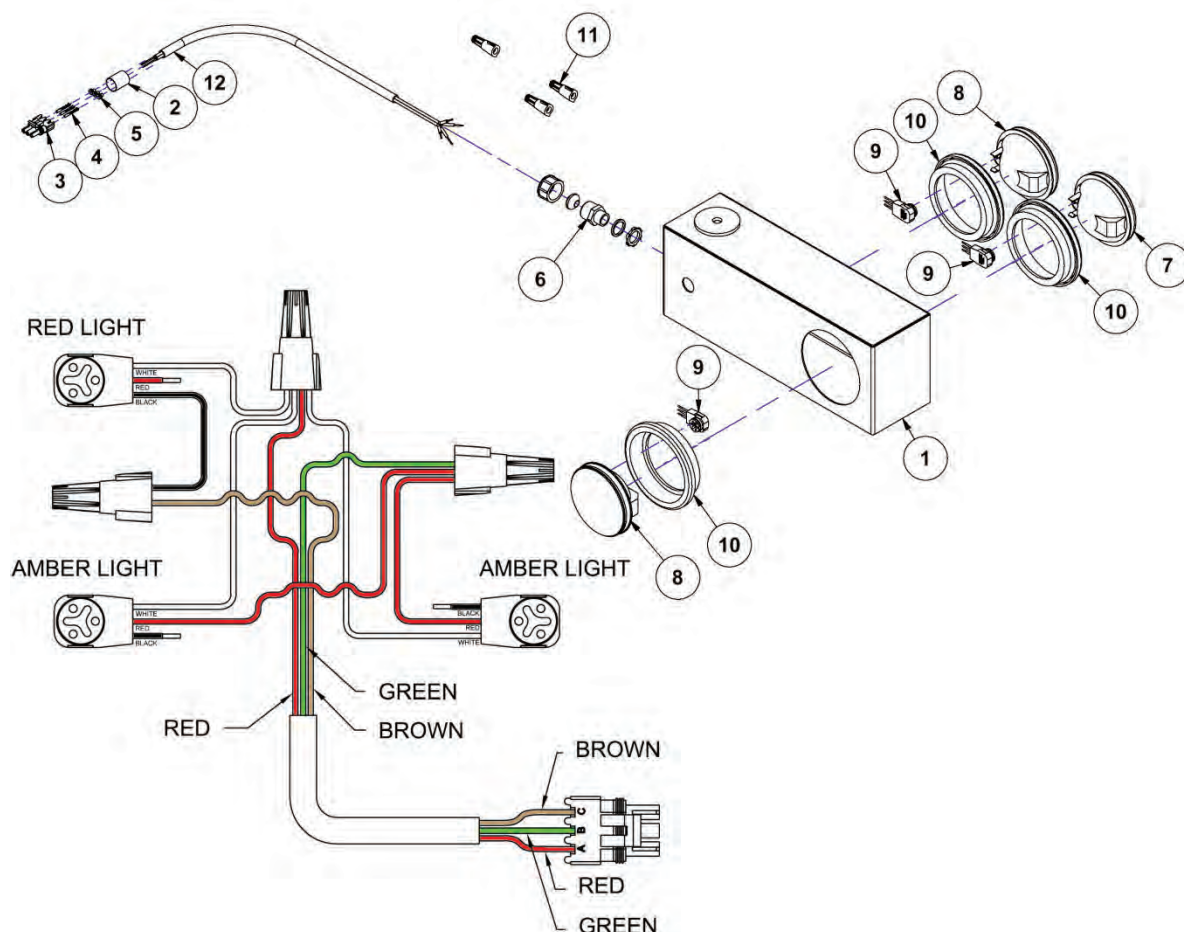
TR-OPT-HCTL



Item	Description	Part Number	Qty
◆	LIGHT OPTION	TR-OPT-HCTL	◆
1	TURN SIGNAL HOUSING ASSEMBLY (SEE PAGE 37)	22-645	2
2	WIRING HARNESS - LIGHTS	31-630	1
3	BOLT - 1/2-13 X 7 1/2	88-BLT-05013X750	2
4	NUT LOCK - 1/2-13	88-NUT-LOC050-13	2

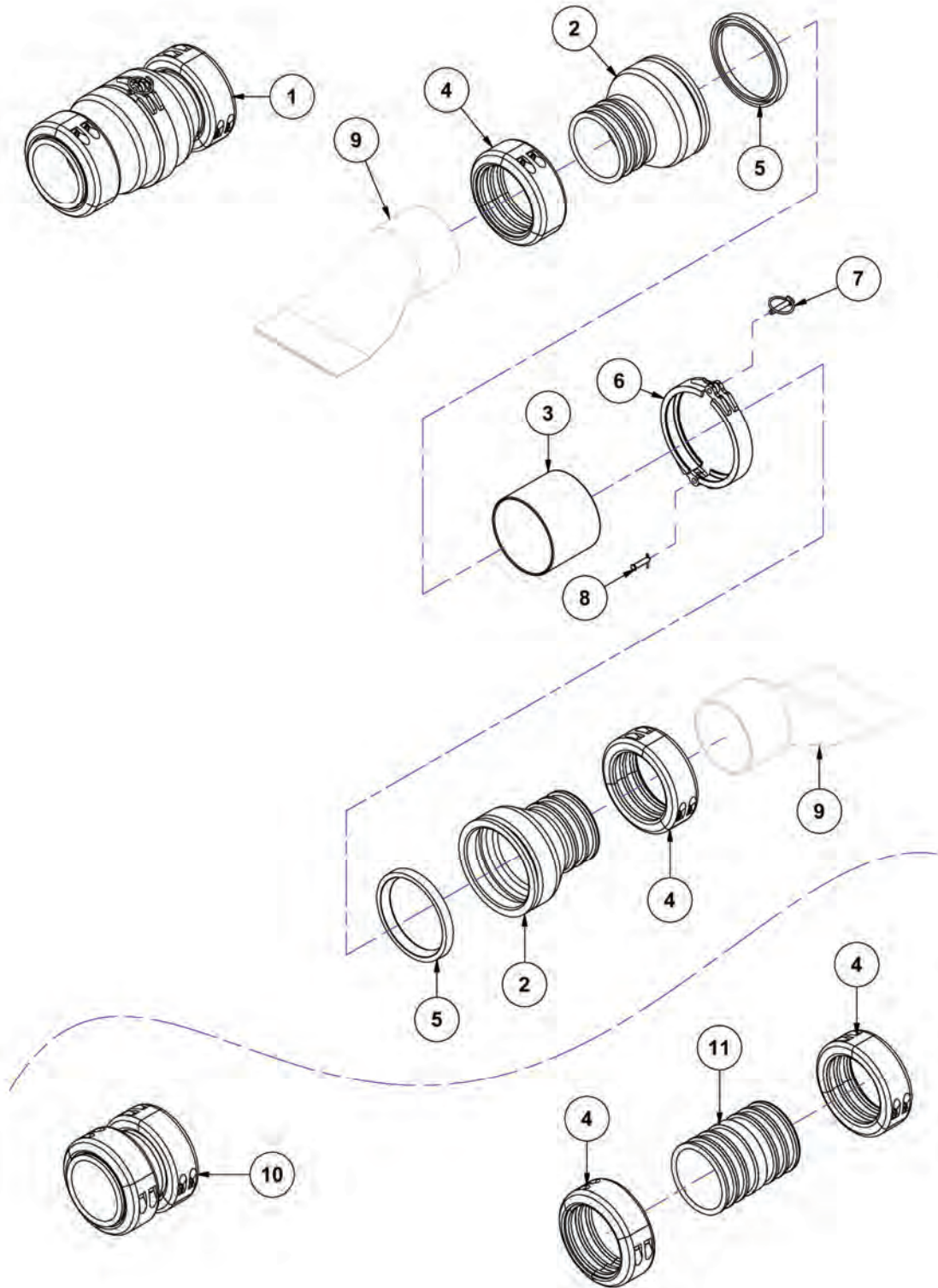
Turn Signal Housing

22-645



Item	Description	Part Number	Qty
◆	TURN SIGNAL HOUSING ASSEMBLY	22-645	◆
1	TURN SIGNAL HOUSING	22-613-A	1
2	HEAT SHRINK TUBING 3/4"	40-234	1
3	MALE CONNECTOR - 3-WAY	40-366	1
4	FEMALE SLEEVE TERMINAL - 14 GA.	40-368	3
5	WIRE SEAL GREY - 16-14 GA.	40-369	3
6	STRAIN RELIEF CONNECTOR 1/2 IN.	40-533	1
7	TAIL LAMP - 4 IN. - RED	40-699	1
8	TAIL LAMP - 4 IN. - YELLOW	40-700	2
9	PLUG PIG TAIL - 3 WIRE 90 DEG	40-701	3
10	TAIL LAMP GROMMET	40-702	3
11	SMART SEAL CONNECTOR	40-796	3
12	CABLE - 4-CONDUCTOR	40-798	2

Hose Coupler Options ○

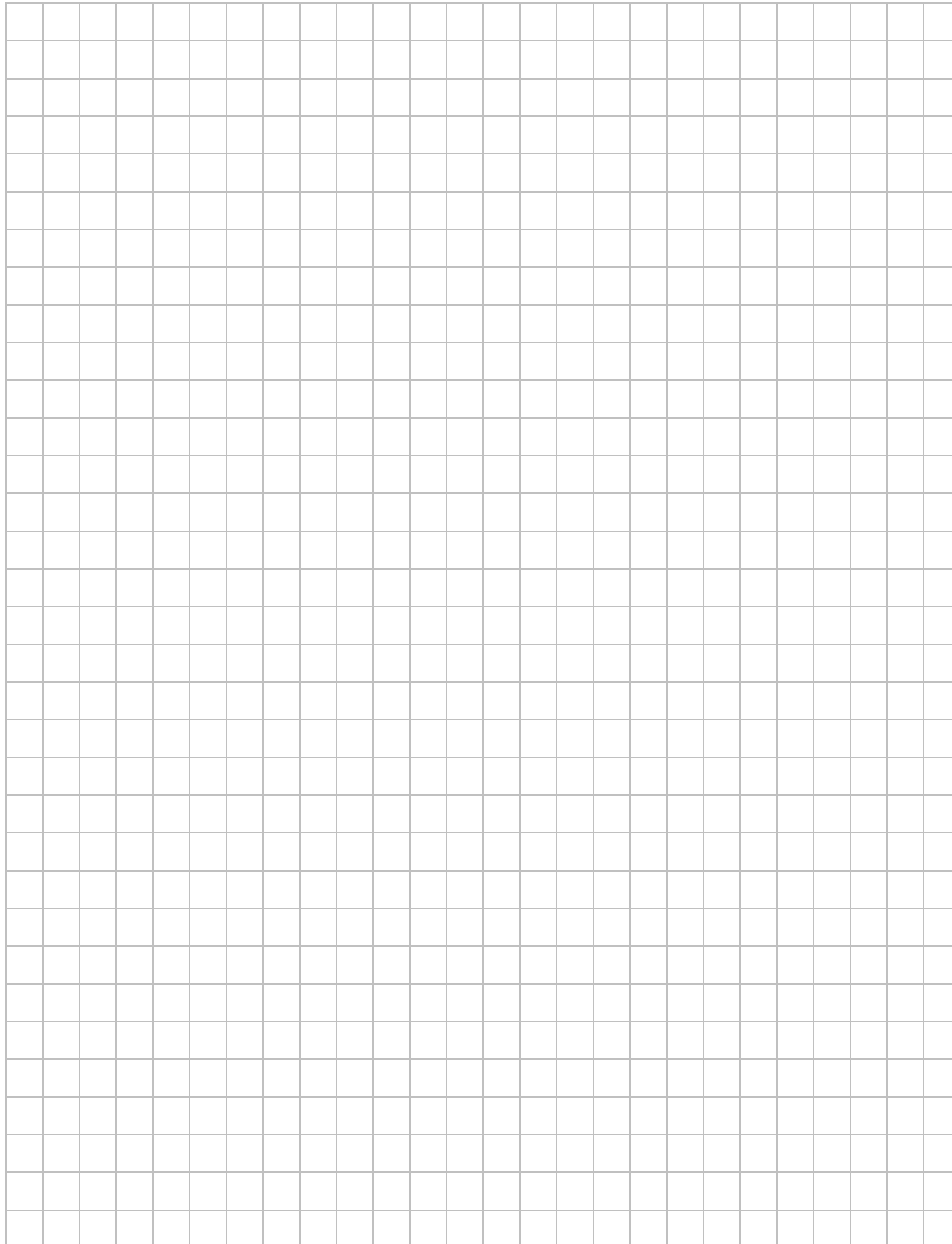


Hose Coupler Options ○

Item	Description	4.5 IN	5 IN
1	CADLOCK COUPLER	IR-CPL-CL45	IR-CPL-CL5
2	BARB - CADLOCK COUPLER	15-166	15-168
3	SLEEVE - CADLOCK COUPLER	15-141-A	15-141-A
4	HOSE CLAMP - CADLOCK COUPLER	IR-MIS-20068	IR-MIS-20067
5	GASKET - CADLOCK COUPLER	IR-GKT-IPS5	IR-GKT-IPS5
6	BARB CLAMP - CADLOCK COUPLER	IR-FCL-HD6	IR-FCL-HD6
7	LYNCH PIN	90-PIN-LYNCH031	90-PIN-LYNCH031
8	CLEVIS PIN	90-PIN-CL031X125	90-PIN-CL031X125
9	HOSE - CADMAN DRAG PRO	IR-HOZ-450CDL	IR-HOZ-500CDL
↳	HOSE - CADMAN PREMIUM	N/A	IR-HOZ-HP5
↳	HOSE - CADMAN STANDARD	N/A	N/A
10	HOSE MENDER	IR-DLS-45	IR-DLS-50
11	BARB - HOSE MENDER	15-174	15-173

Item	Description	6 IN	8 IN
1	CADLOCK COUPLER	IR-CPL-CL6DBL	IR-CPL-CL8
2	BARB - CADLOCK COUPLER	15-195	15-150
3	SLEEVE - CADLOCK COUPLER	15-141-A	15-146
4	HOSE CLAMP - CADLOCK COUPLER	IR-MIS-20065DBL	IR-MIS-20066
5	GASKET - CADLOCK COUPLER	IR-GKT-IPS5	IR-GKT-RW8
6	BARB CLAMP - CADLOCK COUPLER	IR-FCL-HD6	IR-FCL-HD8
7	LYNCH PIN	90-PIN-LYNCH031	90-PIN-LYNCH031
8	CLEVIS PIN	90-PIN-CL031X125	90-PIN-CL031X125
9	HOSE - CADMAN DRAG PRO	IR-HOZ-600CDL	N/A
↳	HOSE - CADMAN PREMIUM	IR-HOZ-600CPSL	IR-HOZ-800CPSL
↳	HOSE - CADMAN STANDARD	IR-HOZ-600CSSL	N/A
10	HOSE MENDER	IR-SLS-6	IR-SLS-8
11	BARB - HOSE MENDER	15-140-A	15-153

For other hose options please contact
Cadman Power Equipment or your Local Dealer.



Required Maintenance

Prevention of mechanical failure is the goal of any good maintenance schedule. The secret to preventing unwanted down time is to adhere to a maintenance schedule suited to the way you use the equipment. Your maintenance schedule should include the following minimum requirements:



Maintenance must be done ONLY when the machine is shut down and is in a non-loaded condition. This means that all mechanical and hydraulic tension has been released from the hose rewind system.

Each Use






Maintenance Item	Figure	Procedure
Visually inspect equipment		Walk around the unit and inspect for loose, missing or damaged items. Check the condition of tongue pivot pin, chain and connecting links. Replace missing or damaged items and tighten loosened items.
Maintain the tire pressure at <u>Standard 44x18x20 Tire</u> 36-40 psi [248-276 kPa] <u>Heavy Duty Option 385/65R22.5</u> 85 psi [590 kPa]		Using a tire pressure gauge, check the pressure of each tire and add or remove air to achieve the desired pressure.  DO NOT LOWER TIRE PRESSURE BELOW THE RECOMMENDED LEVEL. A lower pressure than the recommended pressure will result in the tire separating from the rim.  DO NOT OVER INFLATE TIRE. Pressure higher than recommended will result in wheel failure which could result in serious injury and/or death.
Tighten all wheel bolts	 img-00132	Before moving the unit, verify that the wheel bolts are tight. When tightening the lug nuts use the star pattern with your torque wrench set at 150 ft/lbs [203 N.m].
Adjust, if necessary, the alignment and tension of the drive chains	Figure 14	The drive chain (around the drum) is properly tensioned when it has no visible slack and is setting properly onto the drive sprocket when the drum rotates. Adjustments are made by turning the locknut (3/4" wrench) on the spring adjustment rod.
Lubricate all grease fittings	Figure 15	Using a grease gun, lubricate each grease fitting with an appropriate amount of acceptable grease. (See Lubricants)

Table 1 - Required Maintenance - Each Use

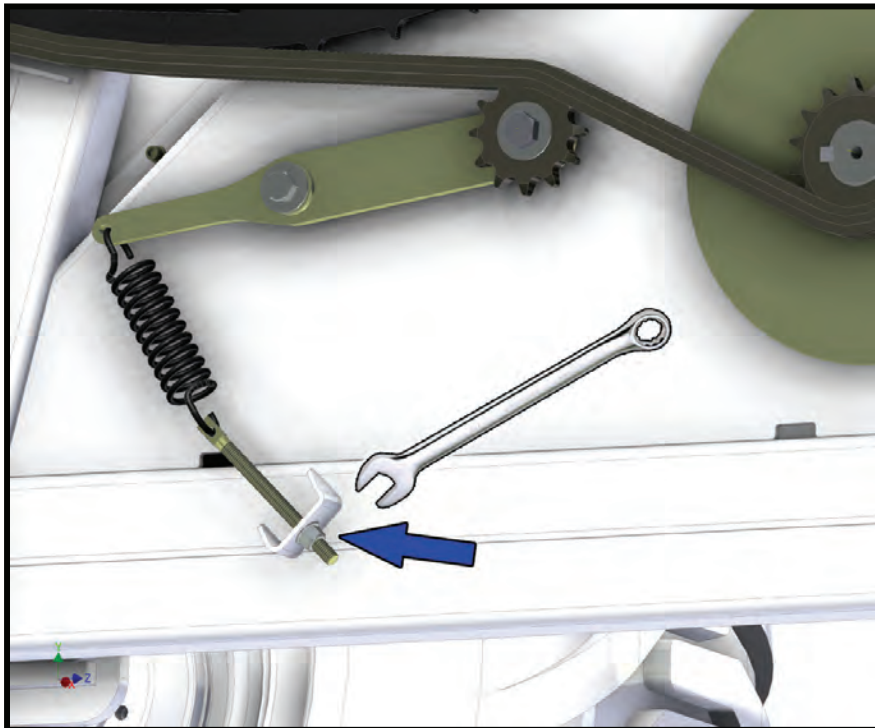


Figure 14 - Drive Chain Adjuster (left side inside frame)

img-00443

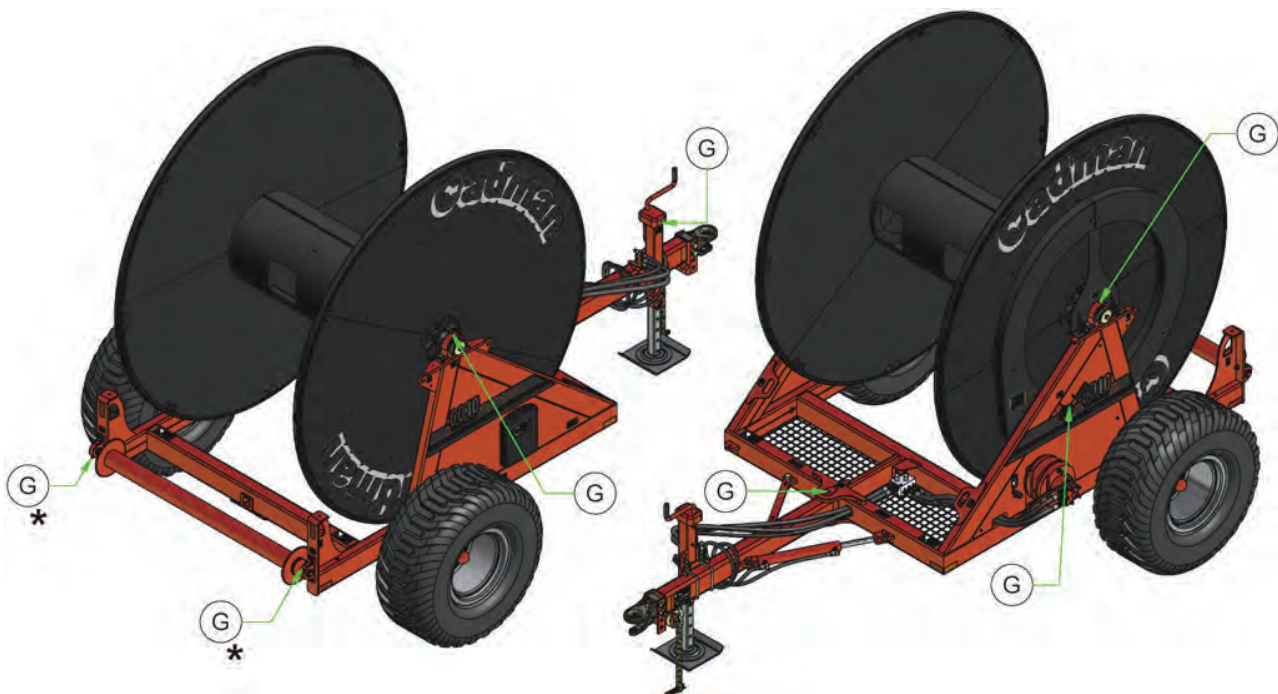


Figure 15 - Grease Points (if equipped)*

img-00437

Before Storing



Prior to storing the Soft Hose Caddy, Cadman Power Equipment Limited requires that you clean the hoses with a proper clean-out procedure (i.e. clean-out ball launcher or water flushing). Failure to do so **WILL** result in gas build up in the hoses creating a great deal of pressure. This can cause equipment failure which could result in serious injury and/or death.

Maintenance Item	Figure	Procedure
Drain and clean out the hose.	N / A	Use a clean-out ball (sold separately) following the instructions provided with the unit. OR Flush with water (minimum of 2000 gallons [7600 liters]) to completely purge the hose.
Clean, inspect and repack the main chassis wheel bearing.	N / A	See Spindle Assembly on page 20. Replace the seals as required
Lubricate all grease points.	Figure 15	Using a grease gun, lubricate each grease fitting with an appropriate amount of acceptable grease. (See Lubricants)
Lubricate all chains	N / A	Brush each chain with acceptable grease. (see "Lubricants")

Table 2 – Required Maintenance - Before Storing

Before Start Up (After long term storage)


Maintenance Item	Figure	Procedure
Review Operator's manual		Review this manual to refresh your memory regarding the proper operation of this machine. This will reduce the potential for equipment damage and user injury.
Complete each use maintenance	Table 1	Complete all the maintenance procedures as prescribed in the Each Use maintenance table.

Table 3 – Required Maintenance - After Long Term Storage

Lubricants

Grease:

Any good grade multi-purpose, waterproof grease is compatible with the greasing requirements of your **Cadman Soft Hose Caddy**.

Technical Specifications

Approximate Soft Hose Caddy Dimensions

IMPORTANT: The dimensions shown on the following pages are only approximate. Many varying factors affect these dimensions, for example tire option, hose type, tire inflation etc.

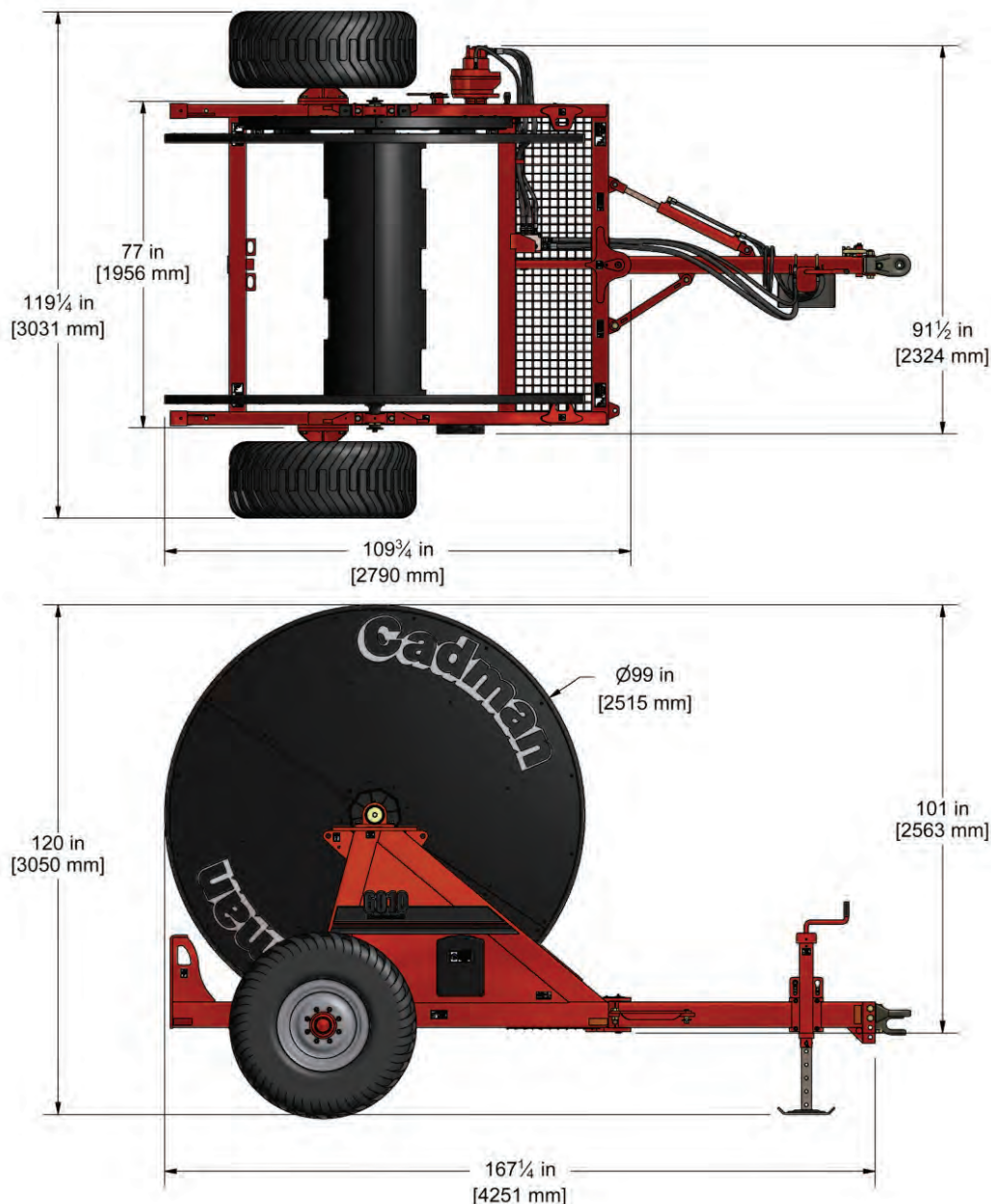
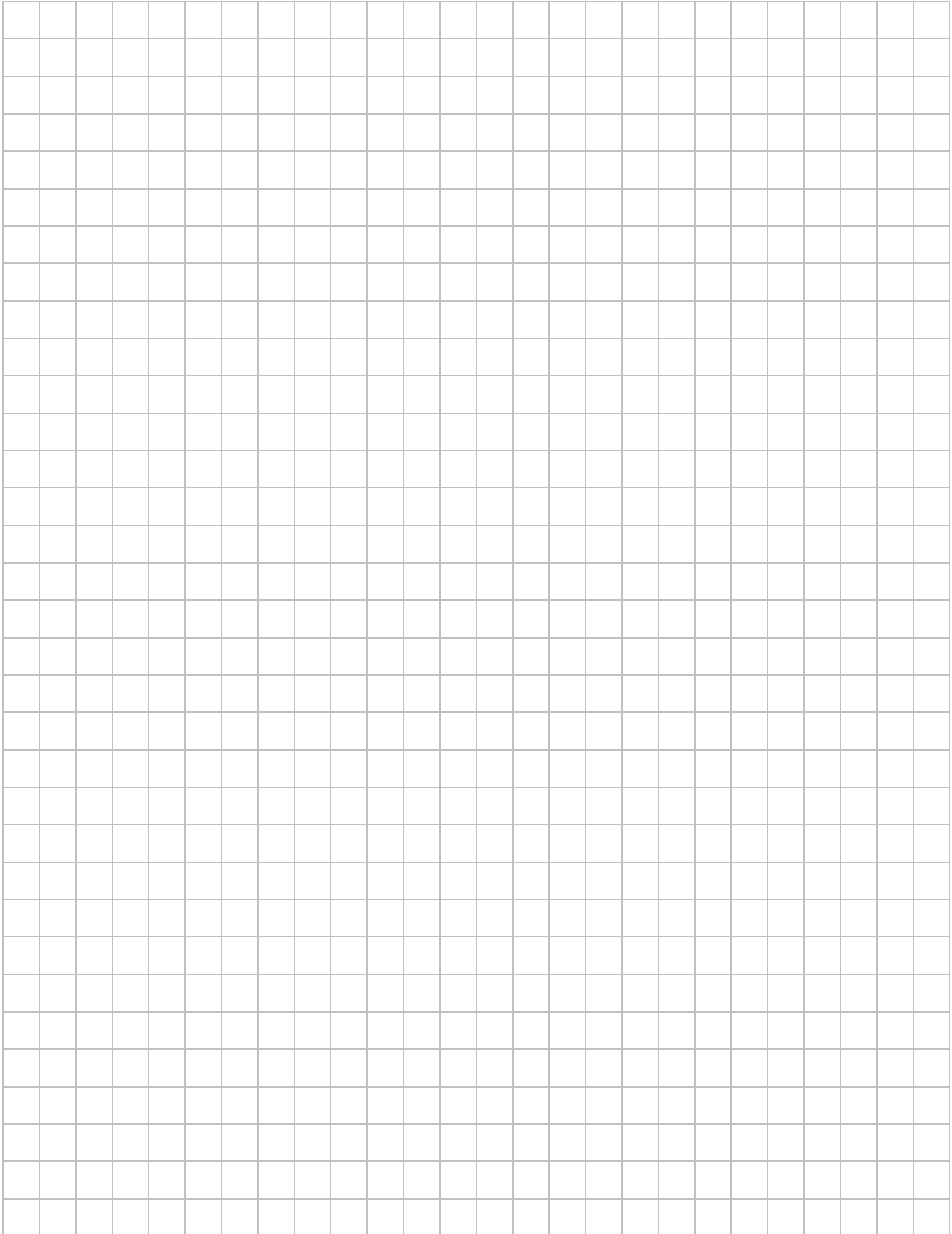


Figure 16 - Overall Dimensions

img-00428

The approximate weight for an empty Cadman 6010 Hose Caddy is 4211 lbs [1910 kg].



Useful Information**LENGTH**

1 FOOT	= 12	Inches	1 METER	= 39.37	Inches
	= 0.3048	Meter		= 3.2808	Feet
1 ROD	= 198	Inches	1 MILE	= 5280	Feet
	= 16.5	Feet		= 1760	Yards
	= 5.5	Yards		= 320	Rods
	= 5.03	Meters		= 1609	Meters

AREA

1 SQUARE FOOT	= 144	Square Inches
	= 0.0929	Square Meters
1 SQUARE YARD	= 1296	Square Inches
	= 0.8361	Square Meters
1 SQUARE METER	= 1550	Square Inches
	= 10.764	Square Feet
1 ACRE	= 43560	Square Feet
	= 4047	Square Meters
	= 0.4047	Hectare
1 HECTARE	= 107639	Square Feet
	= 10000	Square Meters
	= 2.47105	Acres
1 SQUARE MILE	= 640	Acres
	= 259	Hectares

VOLUME

1 GALLON (US)	= 0.8327	Imperial Gallons
	= 231	Cubic Inches
	= 0.1337	Cubic Feet
	= 8.345	Pounds
1 CUBIC FOOT	= 1728	Cubic Inches
	= 7.48	Gallons (US)
	= 62.4	Pounds
	= 28.32	Liters
1 ACRE INCH	= 27154	Gallons (US)
	= 254	Cubic Meters / Hectare

AREA OF A CIRCLE = Diameter x Diameter x 0.7854

CYLINDER VOLUME (US GAL.) = Diameter (ft.) x Diameter (ft.) x Length (ft.) x 5.8748