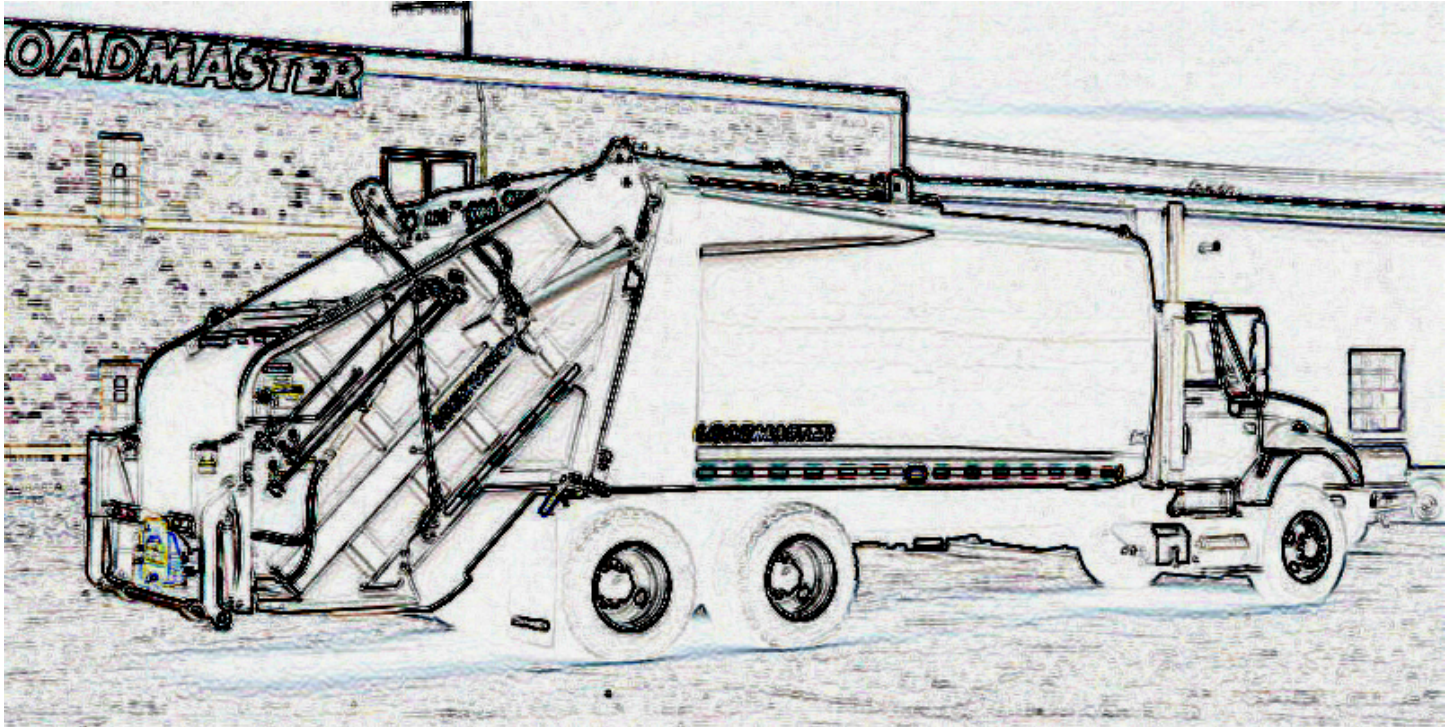


LOADMASTER.....*Your Waste Equipment* **Partner**



EXCEL SERIES

PARTS & SPARES CATALOG

LOADMASTER

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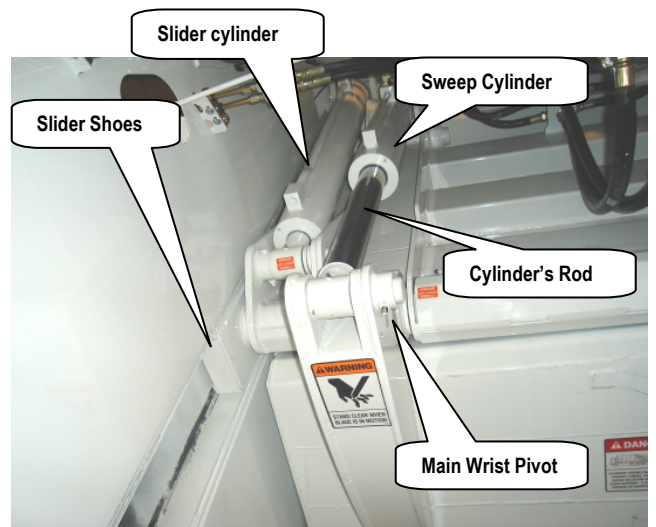
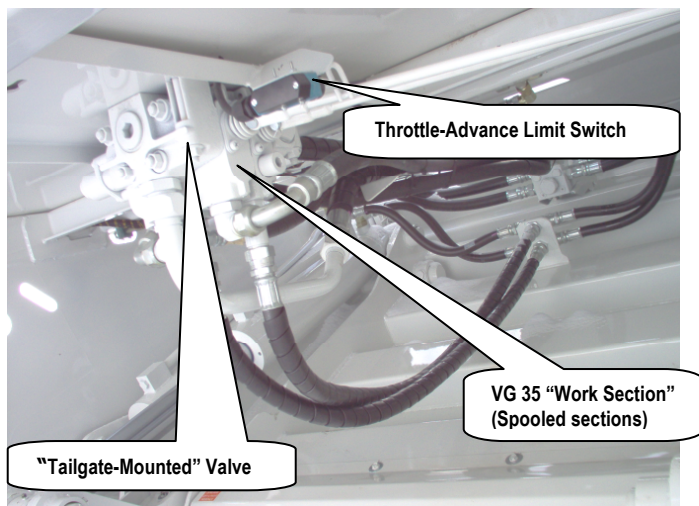
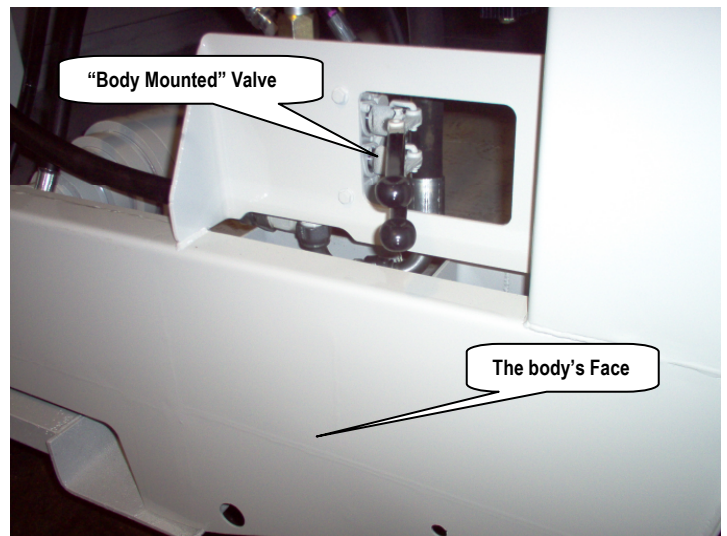
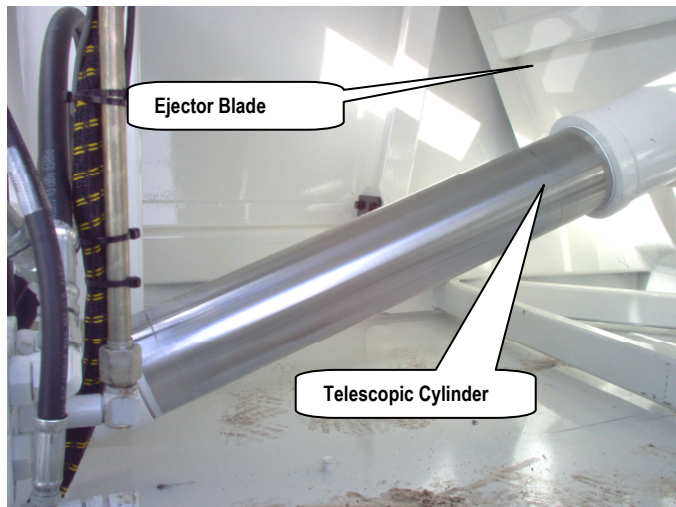
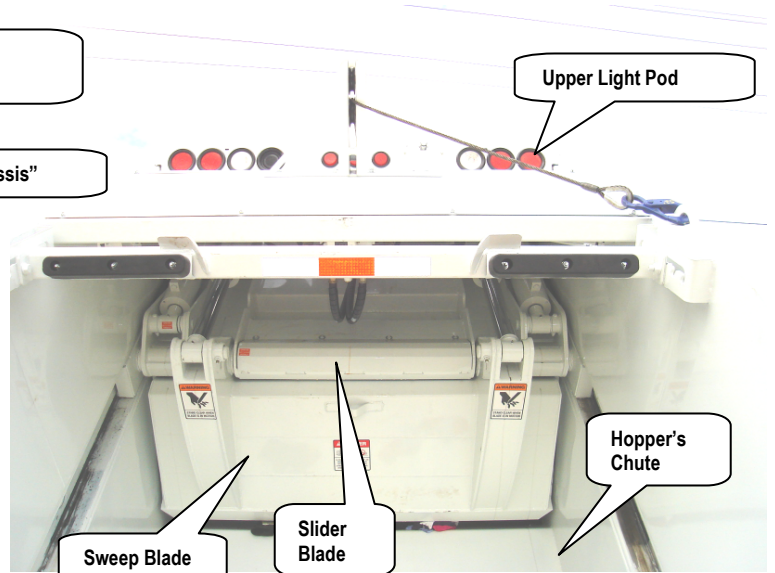
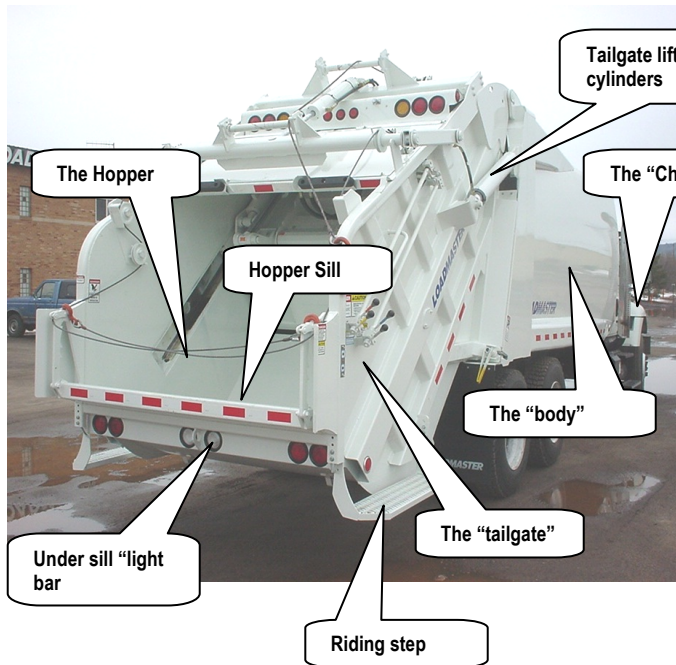
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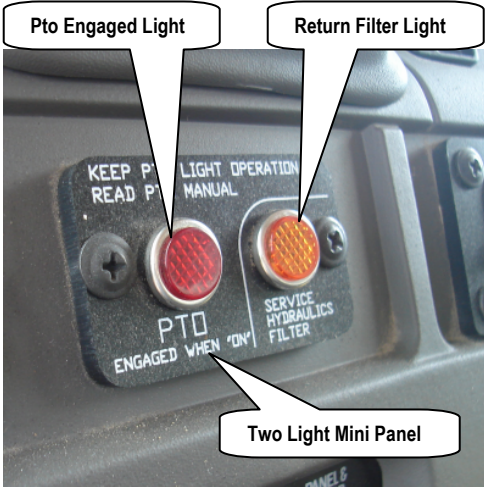
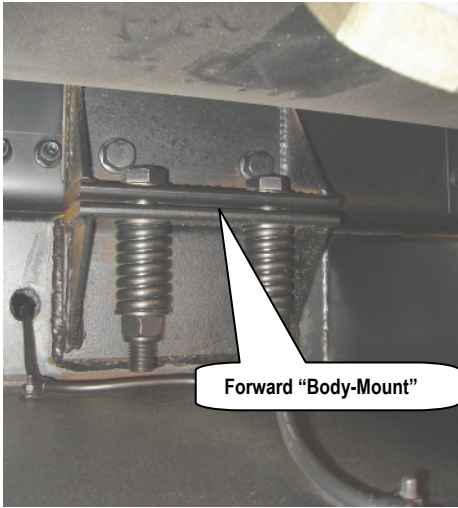
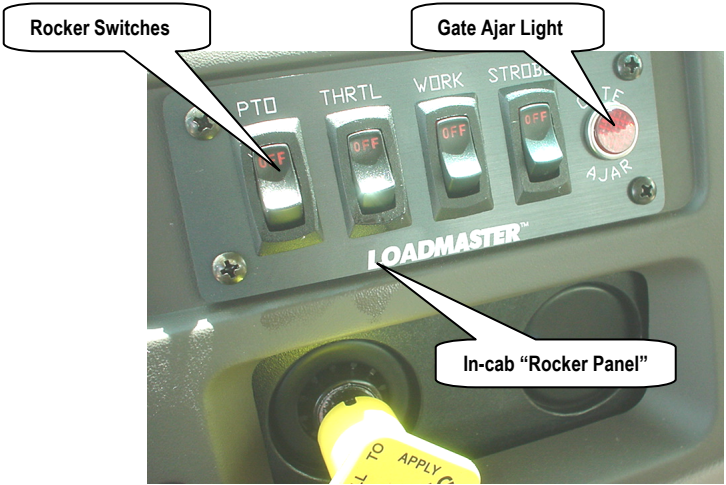
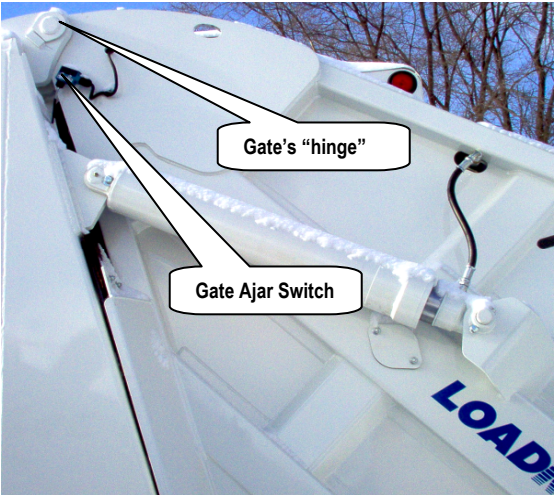
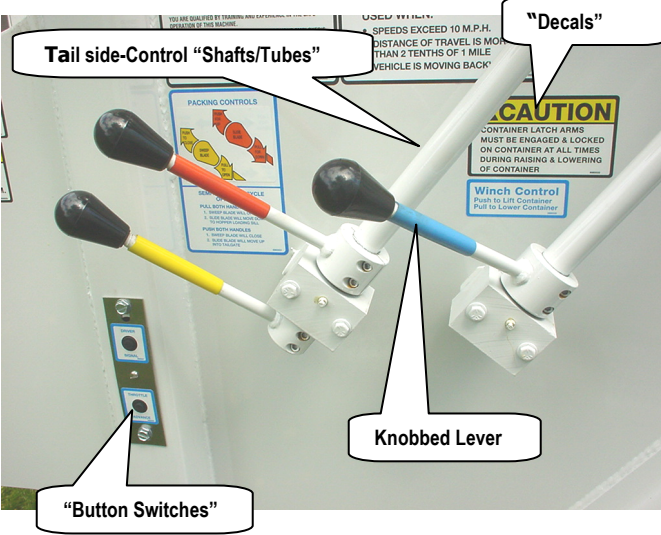
Note: see "separate" manual for loadmaster's own **cart tipper-diverter/hand valve** circuit (ct-hyd)
(For LOADMASTER'S own factory-installed **diverter/ hand valve** circuit...**not** a tipper company circuit)
All operational/ parts/ maintenance & repair technical information is under separate cover"...

IF YOU PURCHASED A TIPPER COMPANY HYDRAULICS SYSTEM...SEE "THEIR" MANUALS FOR PARTS & TECH INFO & WARRANTY

NOMENCLATURE...the "words" Loadmaster uses...use this lingo to "talk"

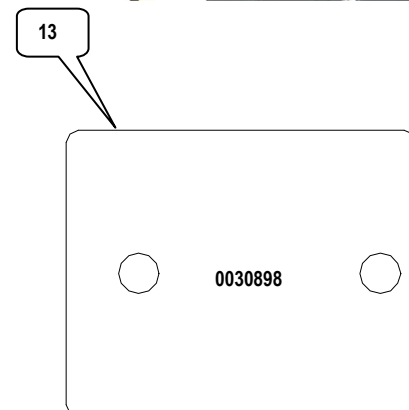
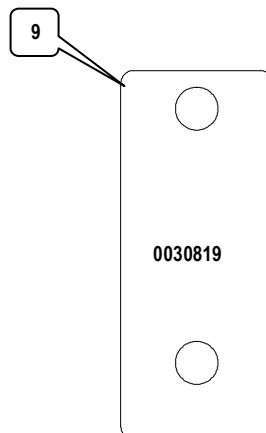
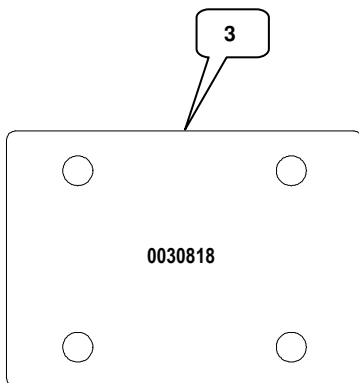
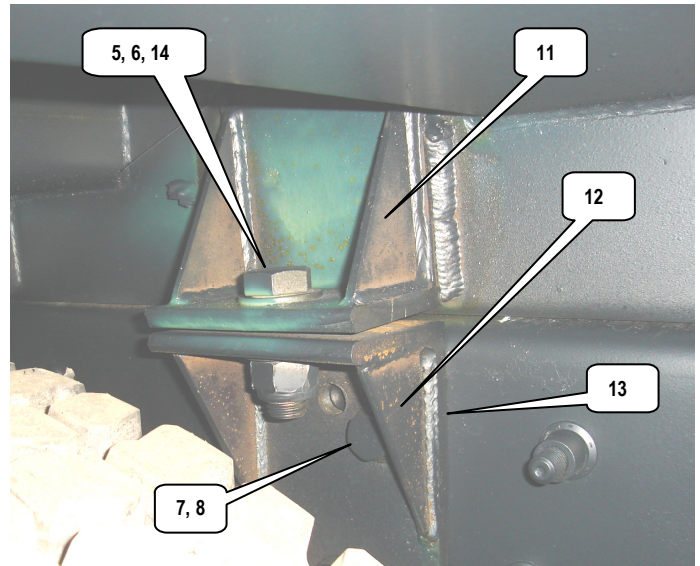
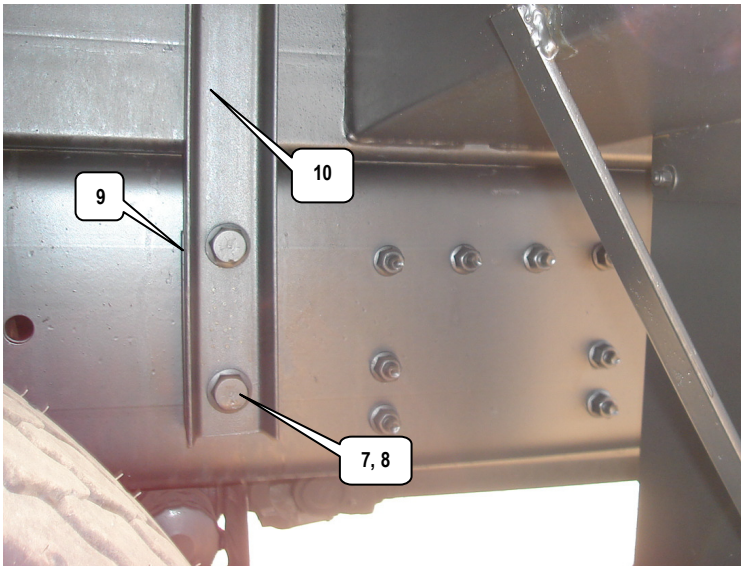
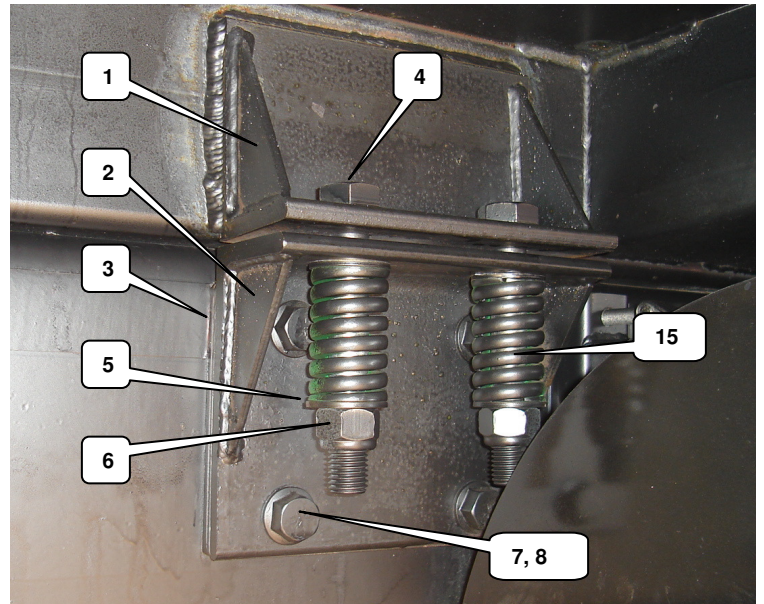


NOMENCLATURE...the "words" Loadmaster uses...best lingo to communicate with LOADMASTER people



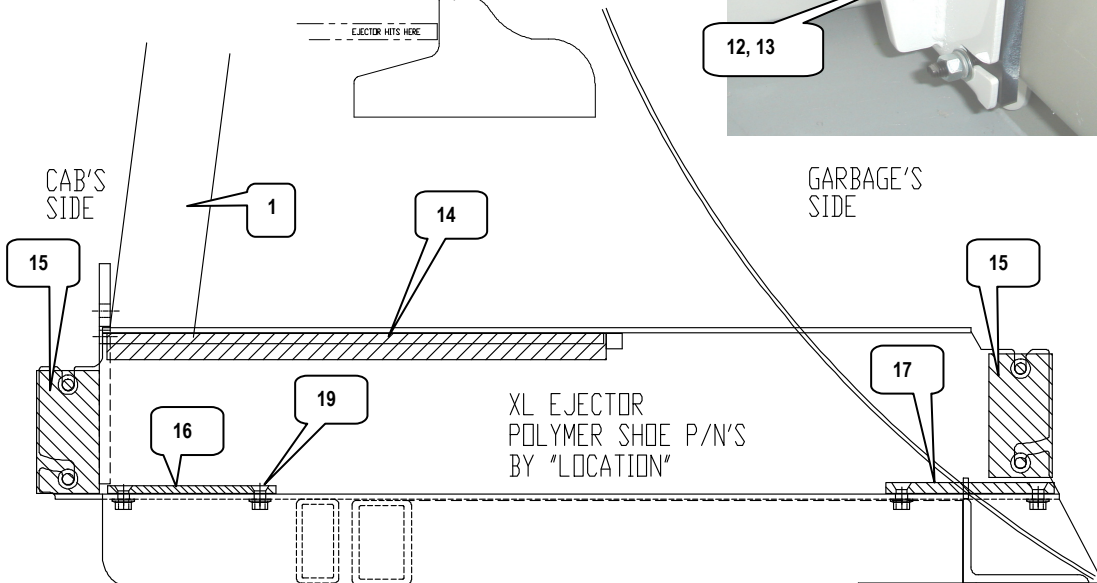
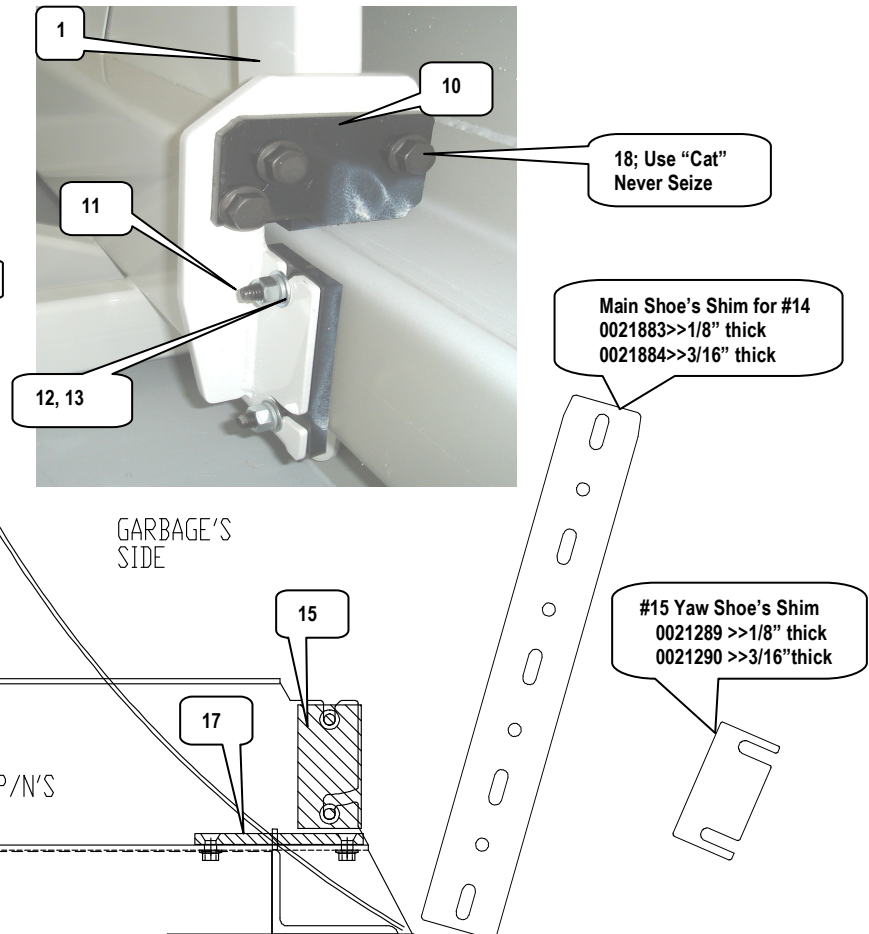
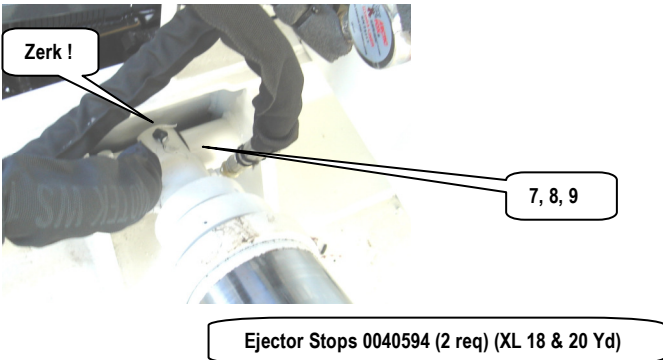
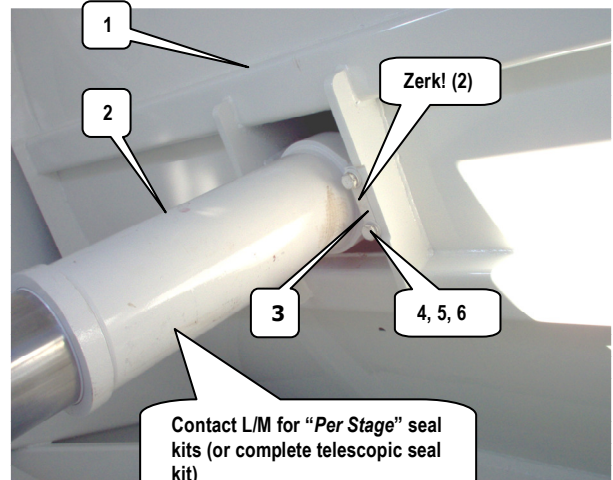
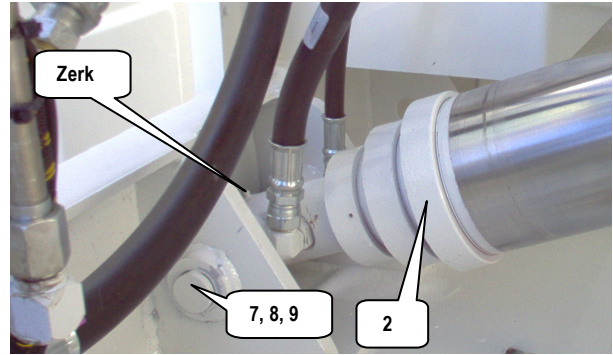
MOUNTING SYSTEMS (To the chassis frame rails)

NO	Q	DESCRIPTION	PART NO
1	2	Upper Front Mount Weldment – 2 spring	0103039
2	2	Lower Front Mount Weldment – 2 spring	0103028
3	4	Spacer"Lower Mount" – 2 spring	0030818
4	4	Hex Hd Capscrew 1.0"NC x 7.0"	9950851
5	14	Flat washer 1.0" (hardened)	9950143
6	6	Lock nut 1"NC	9950034
7	14	Flange nut ¾" NC	9950050
8	14	Flange bolt ¾" NC x 2 ½"	9950802
9	4	Guide channel spacer (when req'd)	0030819
10	2	Guide channel	0070099
11	2	Upper mount angle w/a	0103038
12	2	Lower mount angle w/a	0103073
13	4	Lower mount spacer	0030898
14	2	Hex Hd Capscrew 1-13 UNC x 3 ½" NC (Gr. 8)	9950850
15	4	Compression Spring	9960044



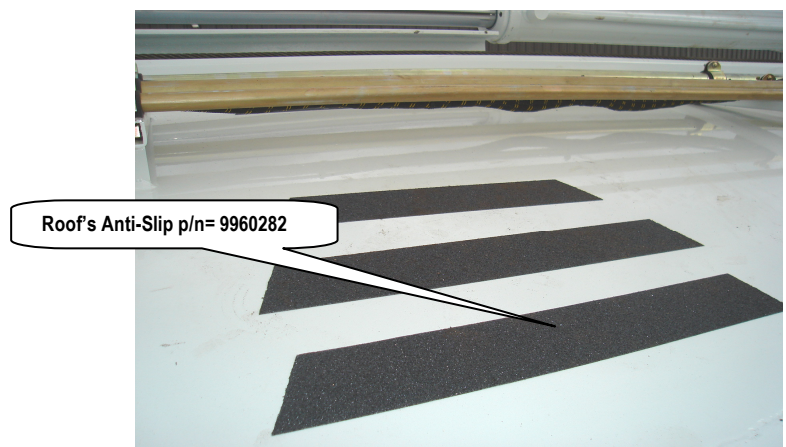
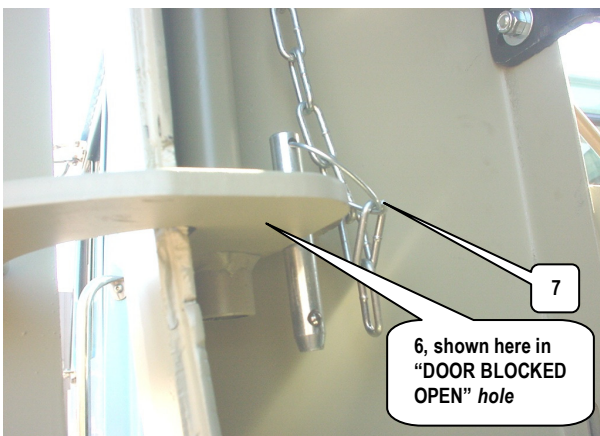
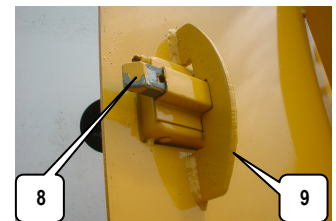
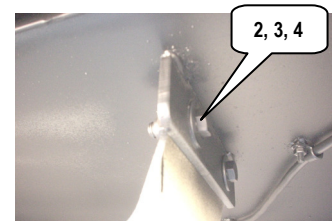
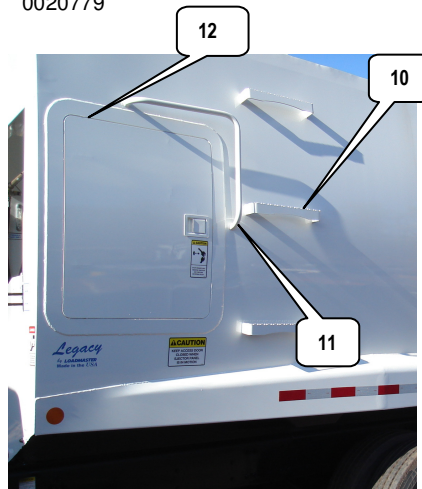
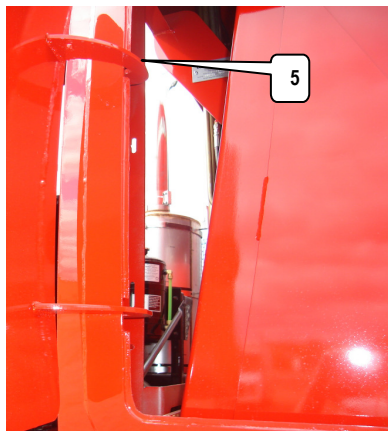
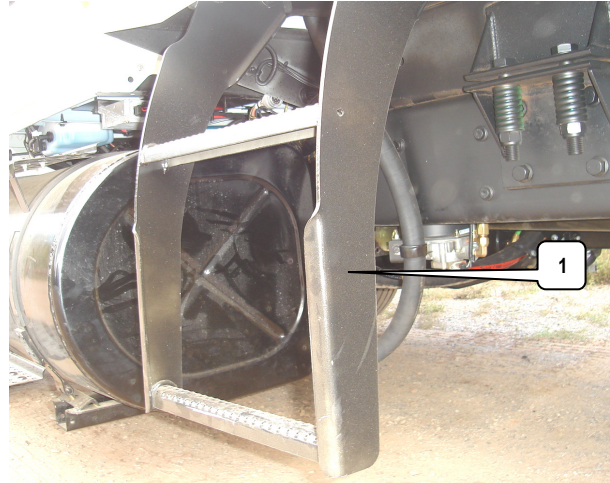
EJECTOR BLADE /TRACKING GUIDES /TELESCOPIC

NO	Q	DESCRIPTION	PART NO
1	1	Ejector Blade Weldment- (XL 18, 20, 25) (XL 31)	0100157 0100209
2	1	Telescopic Cylinder (4-stage Complete) (18/20 XL's) ! 18/ 20 yd XL's Require weldon Ejector Stop p/n 0040594 !	9937054
	1	Telescopic Cylinder XL-25 yard	9937059
	1	Telescopic Cylinder XL-31 yard	9937065
3	2	Bolt-On Trunnion "Halve" (18/20/25 YD XL's)	0040567
	2	Bolt-On Trunnion "Halve" (31 XL)	0040745
4	4	Hex hd cap screw 5/8"-11unc x 3 1/2" long	9950762
5	4	Flat washer 5/8"	9950107
6	4	Lock washer 5/8"	9950150
7	1	Cap screw - 1/2"NC x 3 1/2" Lg.	9950707
8	1	Nut- Nylock 1/2" -13UNC	9950029
9	1	Front (rodside) Pin (for Telescopic Cyl @ "body")	0080207
10	2	Main Shoe Retainer	0030607
11	8	C'Sunk Screw w/ Wrenching Flats (1/2unc x 2 1/4"lg)	2600123
12	8	Hex Nut- 1/2"unc (use medium threadlocker here)	9950148
13	8	Flat Washer SAE -1/2"	9950105
14	2	Ejector's Main Shoe (polymer)	2600040
15	4	Yaw Control Shoe (polymer)	2600024
16	2	Rebound Shoe-Forward (3/8" thick)	2600059
17	2	Rebound Shoe-Rearward (1/2" thick)	2600039
18	6	Flange Bolt-5/8"unc x 1 1/4" Lg.	9950761
19	8	C'sunk Screw- 1/2" unF x 1 1/4" Lg	9950770



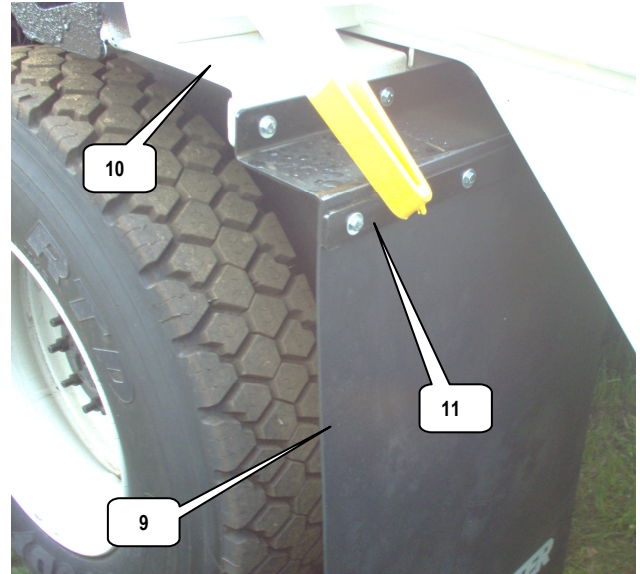
BODYSIDE ACCESS DOOR/ACCESS LADDER (STD)

NO	Q	DESCRIPTION	PART NO
1	1	Ladder Weld assy- Body Ingress/Egress <'06 Style Ladder>	0120730
2	4	Hex Head Cap screw- 1/2UNC x 1 1/2" lg	9950702
3	8	1/2" SAE Flat washer	9950105
4	4	1/2"-UNC Nylock Hex Nut	9950029
5	1	Complete "Hidden-Hinge" kit <All of the Fabricated Door hinging parts>	0120633
6	1	"Hold-Open" Pin (optional)	9960295
7	1	Chain to hold the Pin (straight link #2 x 16 LINKS) Fastenal 45052...optional	-----
8	1	Door Bolt latch Paddle style, "slam" latch	9960189
9	1	Bolt Back Bracer	0030998
10	4	Ladder Rungs- Grippy sytle	0031104
11	1	Grab Handle- Wrap down style	9960264
12	1	Door & Door Jamb	0020779

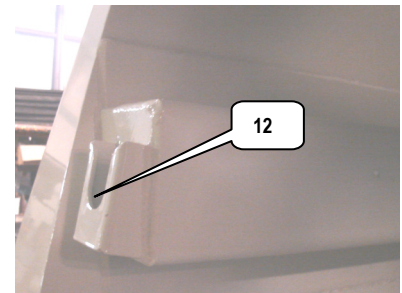
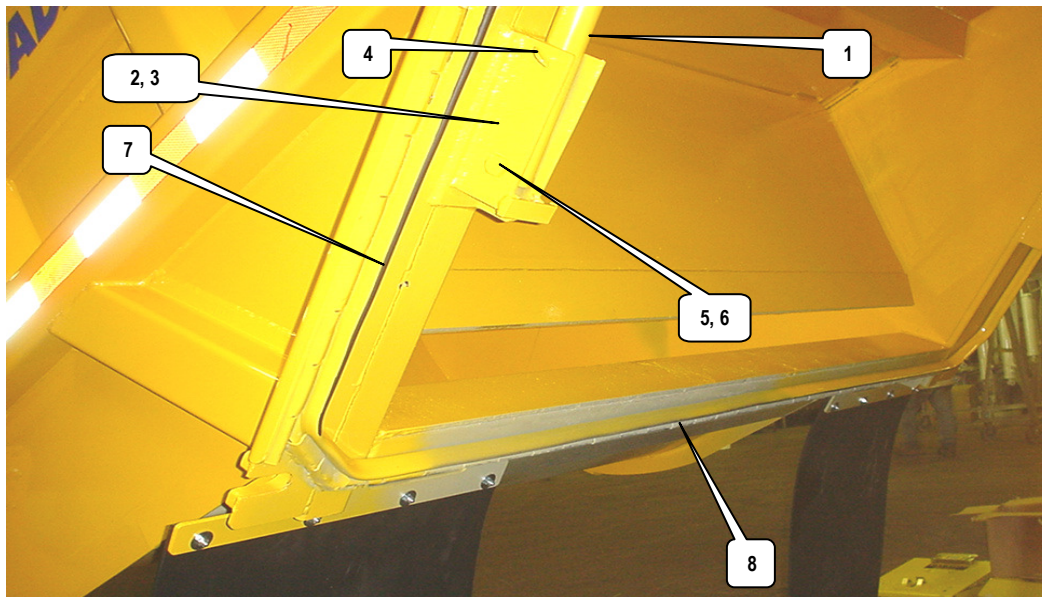


GATE TO BODY SEAL SYSTEM & REARMOST MUDFLAPS

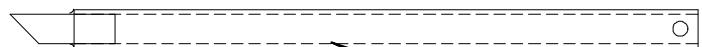
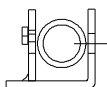
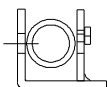
NO	Q	DESCRIPTION	PART NO
1	1	Prop Rod Weldment ("Rod Only")	0120599
2	1	Pivot Box (only) Weldment – LH (drivers side)	0101227
3	1	Pivot Box (only) Weldment	0101228
4	2	Thumbscrew (prop storage) 3/8" Unc x 1" lg	9950261
5	2	Hex Hd capscrew 5/8" nc x 3" lg	9950750
6	2	Nylock Nut 5/8" Unc	9950043
7	1	Seal...16 foot continuous (joint less) P shaped <i>This rubber extrusion is for Pound & Pry style</i>	9960190
8	2	Weld-On Anchor Clamp <Pound Over Style> <i>A length of 83 1/2". The Pound Clamp's "edge" that contacts the rubber extrusion is Flap Wheeled to gentle (Can be quickly cut/shortened to need by customer)</i>	0020744
9	2	Logo Mud flap (polymer type)	9960021
10	2	Mud Stopper Guard (XL Style)	0021406
11	2	4 Hole Flap Retainer Strip (steel)	0040075
12	2	Prop Rod Receiver (end of prop rod fits into) <i>Welds to the end of the body's track channel</i>	0031841



DANGER!! Never "work under" or "cross under" a Raised Tailgate
Unless it is ***"3-WAY SUPPORTED"***! See your ***OPERATOR'S/MAINTENANCE
MANUAL*** for ***SAFE*** methods of "supporting" a ***Raised Tailgate***



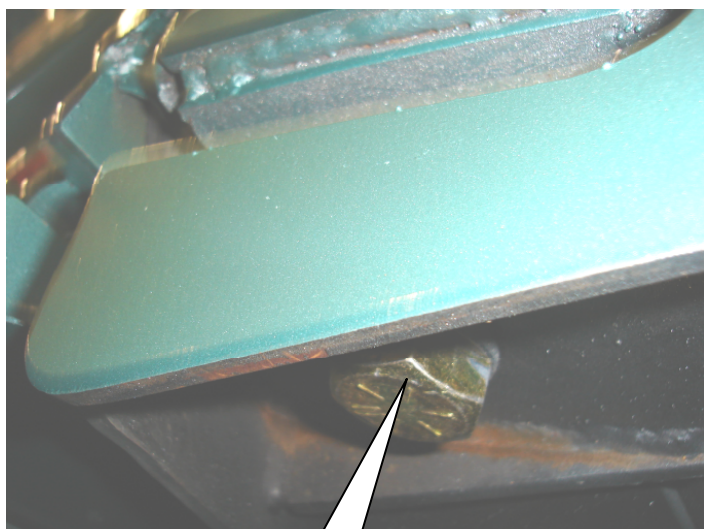
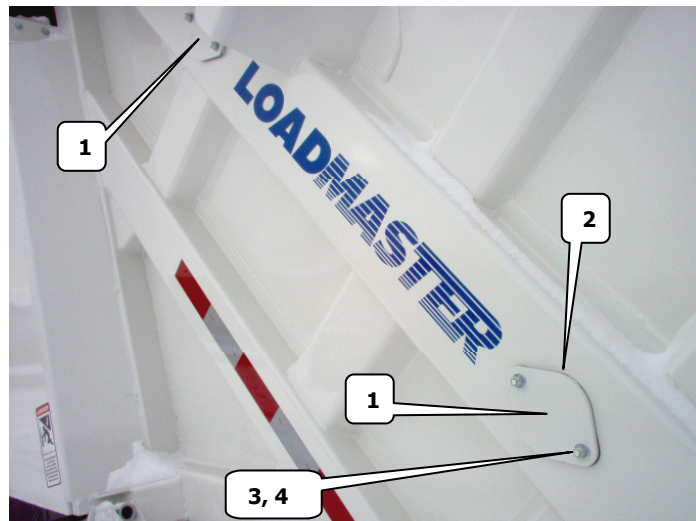
2 & 3 Pivot Box Weldment



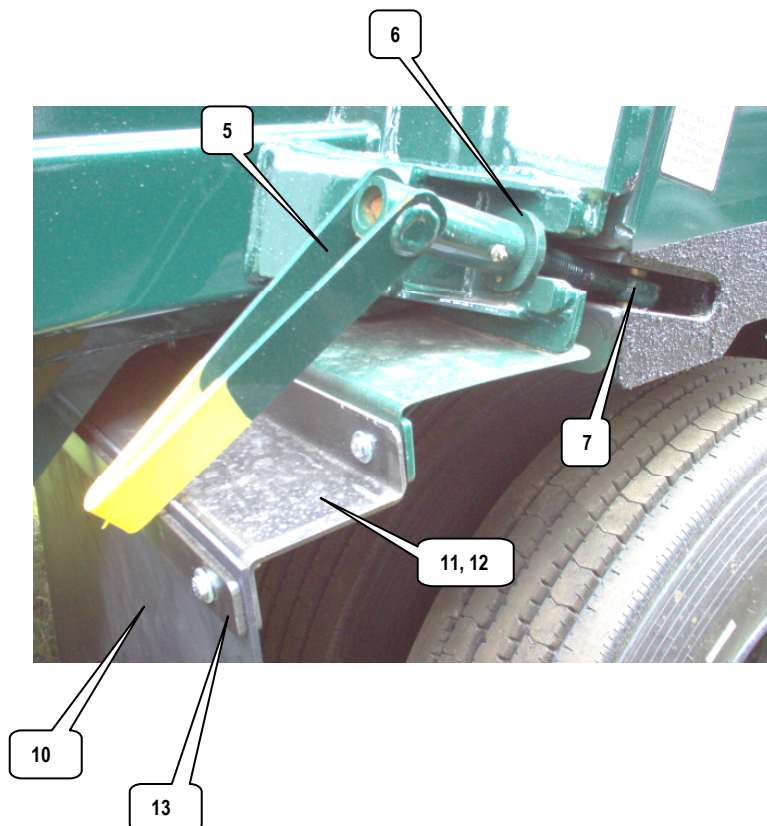
1... Rod "only" Weldment

TRACK CAPS & TURN BUCKLE STYLE LOCKS

NO	Q	DESCRIPTION	PART NO
1	4	Track Cap <i>Provide "access" to slider shoe axles</i>	0031034
2	2	Rubber gasket	9960260
3	8	3/8" NC Nylock nut	9950027
4	8	3/8" Flat Washer	9950103
5	2	Chuck Weldment (2007 Style)	0101226
6	2	Anti friction "Washer"	0060070
7	2	Eyebolt	9960045
8	2	Hex hd cap screw 7/8 UNF x 3" long (GR 8)	9950864
9	2	Lock washer 7/8"	9950162
10	2	Logo Mudflap (polymer type)	9960021
11	2	Mudflap Zee Brackets (long)	0021530
12	2	Mudflap Zee brackets (short)	0021415
13	2	Bracer Bar	0040075

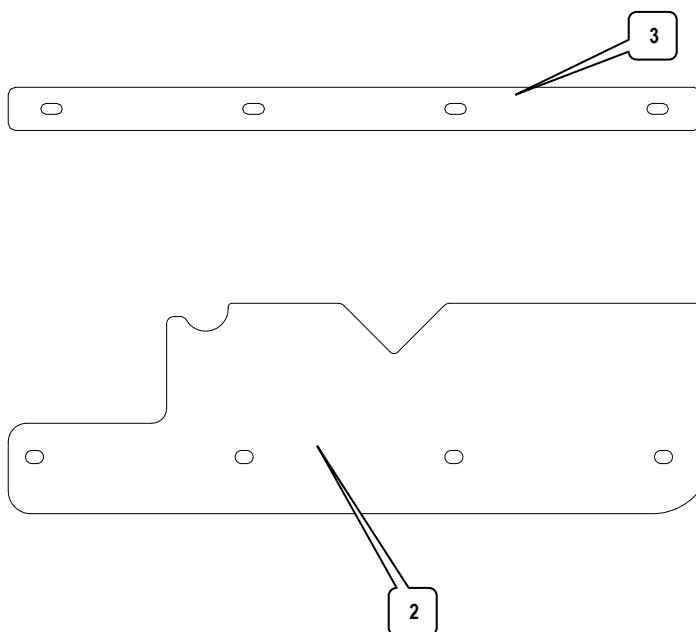
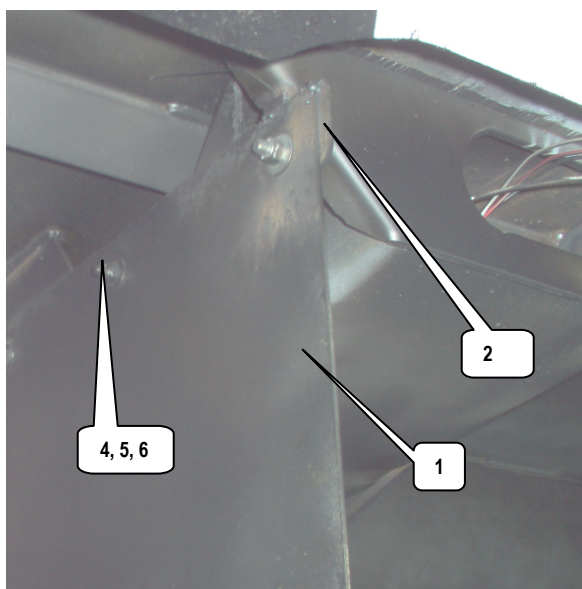
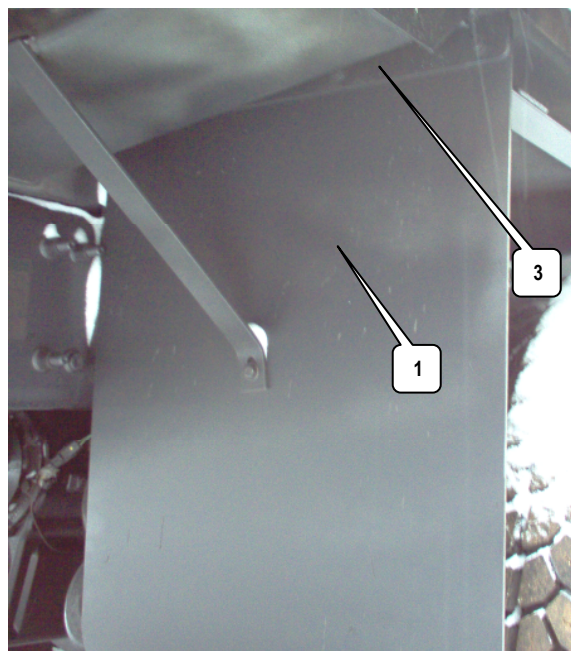


8,9 FOR EYE BOLT HOLD DOWN;
USE NEVER SEIZE HERE



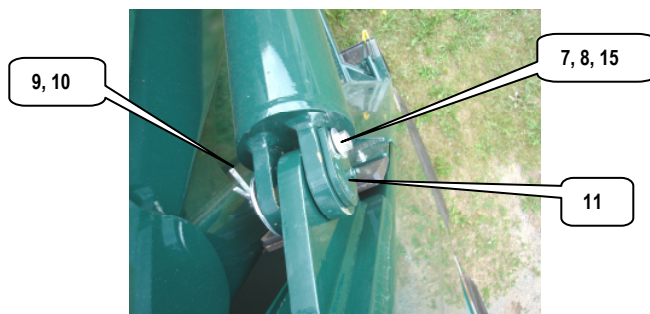
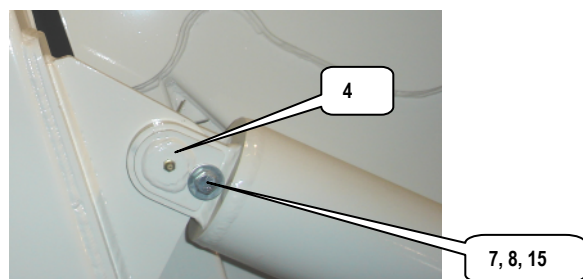
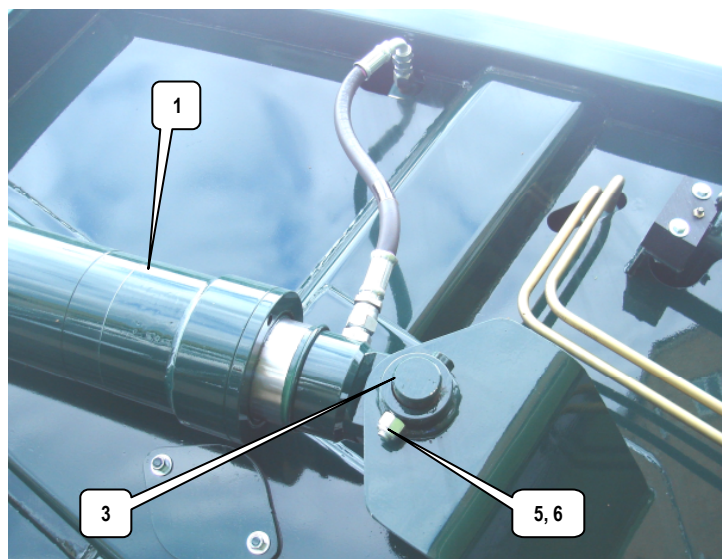
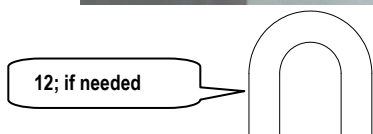
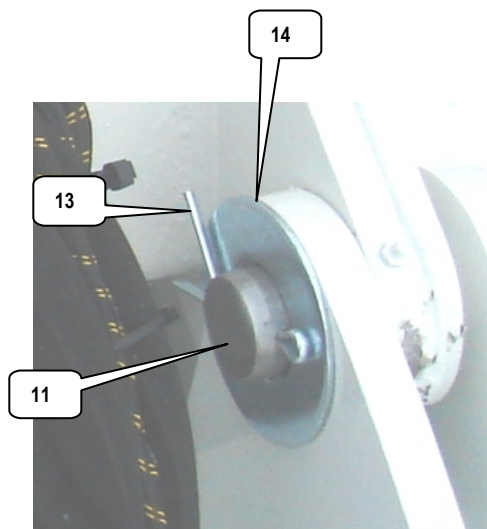
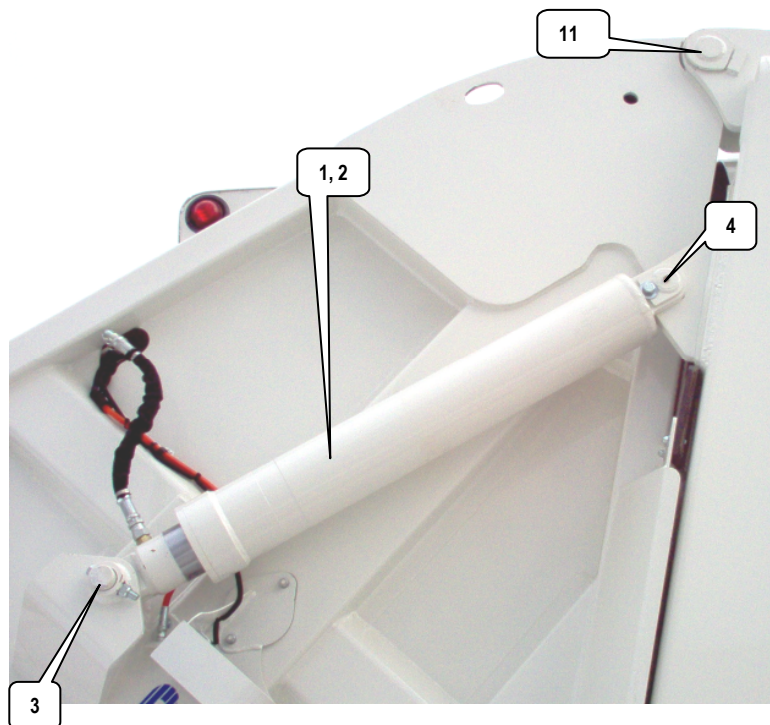
2006 STEEL STYLE MUDFLAPS OPTIONAL (Ahead of rear axle)

NO	Q	DESCRIPTION	PART NO
1	2	Mud Flap (Steel)	0021749
2	1	Weld on Flap Anchor Bracket- Driver/pass. Side	0021120
3	2	Bracer Bar	0040075
4	12	Hex Hd Cap Screw G5-3/8" UNC x 1" lg.	9950602
5	14	Nylock Nut 3/8" UNC	9950027
6	24	Flat Washer 7/16"	9950104



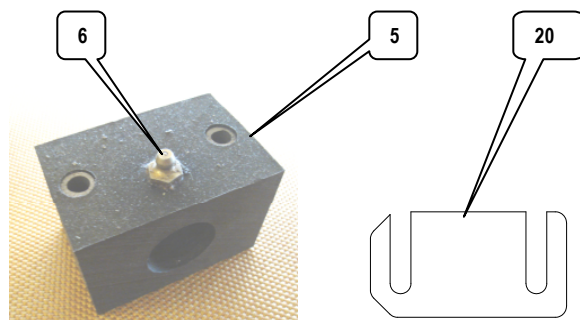
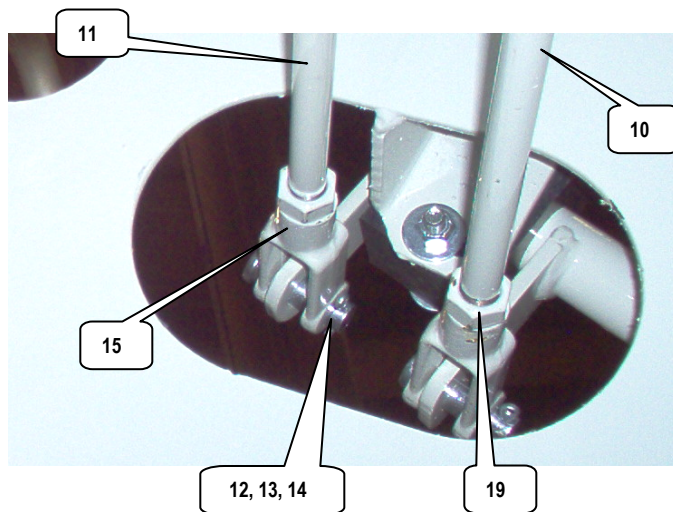
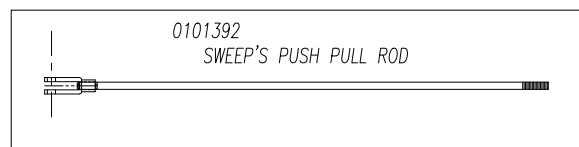
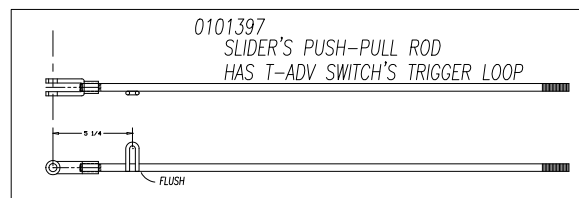
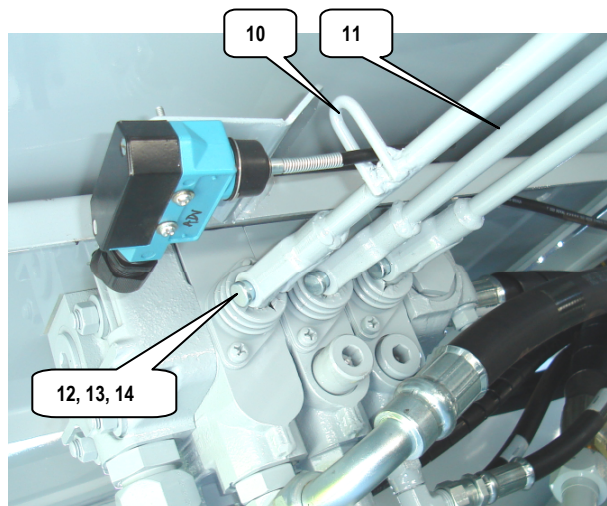
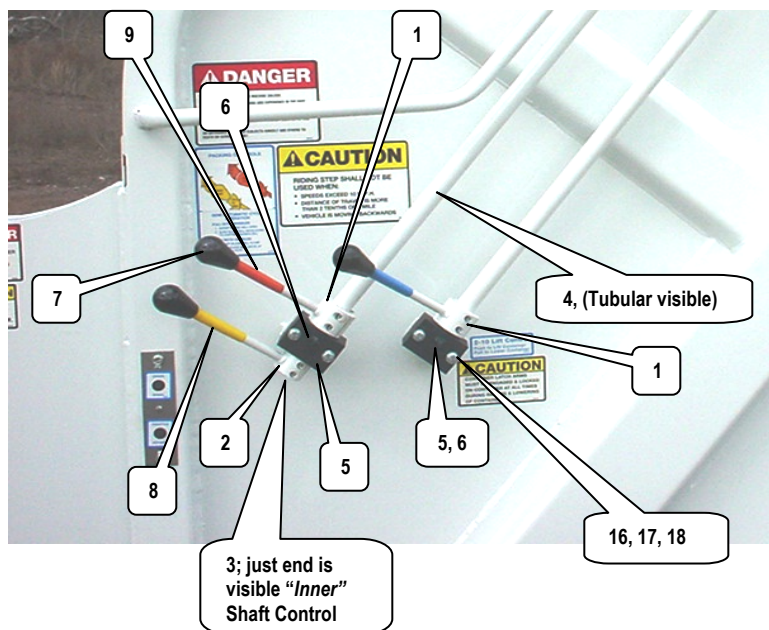
GATE'S HINGE/ LIFT-CYLINDERS & PINNINGS

NO	Q	DESCRIPTION	PART NO
1	2	Gate Lift Cylinder- XL turnbuckle style	9937058
2	-	Seal Kit for above cylinder (2007) (Complete set of seals for one cylinder)	8800556
3	2	Pin- Rod side	0080201
4	2	Pin Weldment- Base side	0102325
5	2	CapScrew- 1/2"unc x 3" lg	9950706
6	2	Nylock Nut- 1/2" unc	9950029
7	2	CapScrew- 1/2 unc x 1' lg	9950703
8	2	FlatWasher- 1/2" SAE	9950105
9	2	FlatWasher-1 1/2" SAE	9950114
10	2	Cotter Pin-1/4" x 3"	9950211
11	2	Main Hinge Pin Weldment (XL)	0101206
12	-	Horse-shoe Shim (3/16" thick) (Slip-in style...for centering gate-to-body)	0021251
13	2	Cotter Pin- 5/16" x 3 1/2"	9950216
14	2	Flat washer- 2" SAE	9950115
15	2	LockWasher- 1/2"	9950148



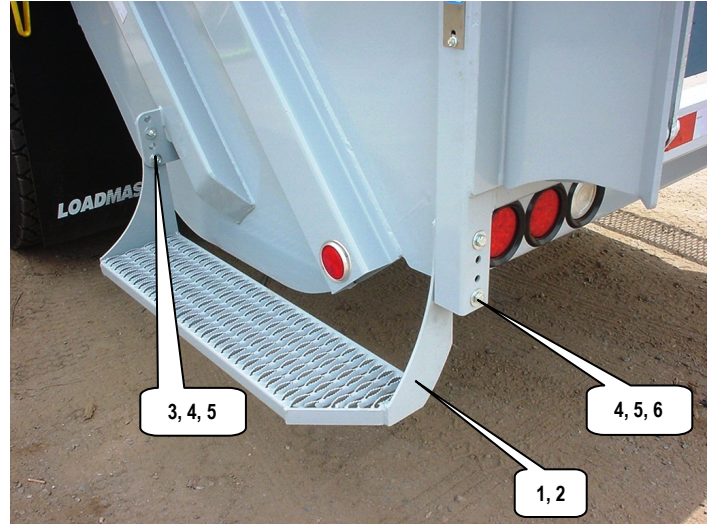
TAILGATE'S SIDE CONTROLS ("Mechanicals": for Slide & Sweep)

NO	Q	DESCRIPTION	PART NO
1	2	Threaded Clamp on "Lever W/A 1 1/8 th BORE	0101204
2	1	"Lever Weldment 3/4 BORE (Sweep)	0101205
3	1	Control <i>Shaft</i> Weldment (Hidden in tube)	0101177
4	1	Control <i>Tube</i> Weldment	0101176
5	2	Bearing Block- Polymer for "controls" <i>Shaft weldment slips "inside" tube weldment</i> <i>Poly block includes steel insert tubes & zerk</i>	0101160
6	-	Grease Zerk 1/8" npt	9950276
7	-	Phenolic Knob (<i>tapered</i>)	9960221
8	1	Yellow color code sleeve (Sweep is Yellow)	9960222
9	1	Orange color code sleeve (Slider is Orange)	9960223
10	1	Push-Pull Rod Weldment-Slider's (switch trigger)	0101397
11	1	Push-Pull Rod Weldment-Sweep's (no trigger)	0101392
12	4	Clevis Pin- 1/2" dia x 1 1/2" lg	9950260
13	4	Cotter Pin- 1/8 x 1" lg	9950201
14	4	FlatWasher- 1/2" sae	9950105
15	2	Clevis Yoke 1/2" UNF Thread	9960017
16	4	CapScrew- 5/16 UNC x 3" lg	9950560
17	8	FlatWasher- 5/16 sae	9950102
18	4	HexNut- Nylock 5/16 UNC	9950026
19	2	Jamb Nut (jamb's Yoke)	9950017
20	-	Shim (moves bearing block "outward"- 3/16" thick)	0021546



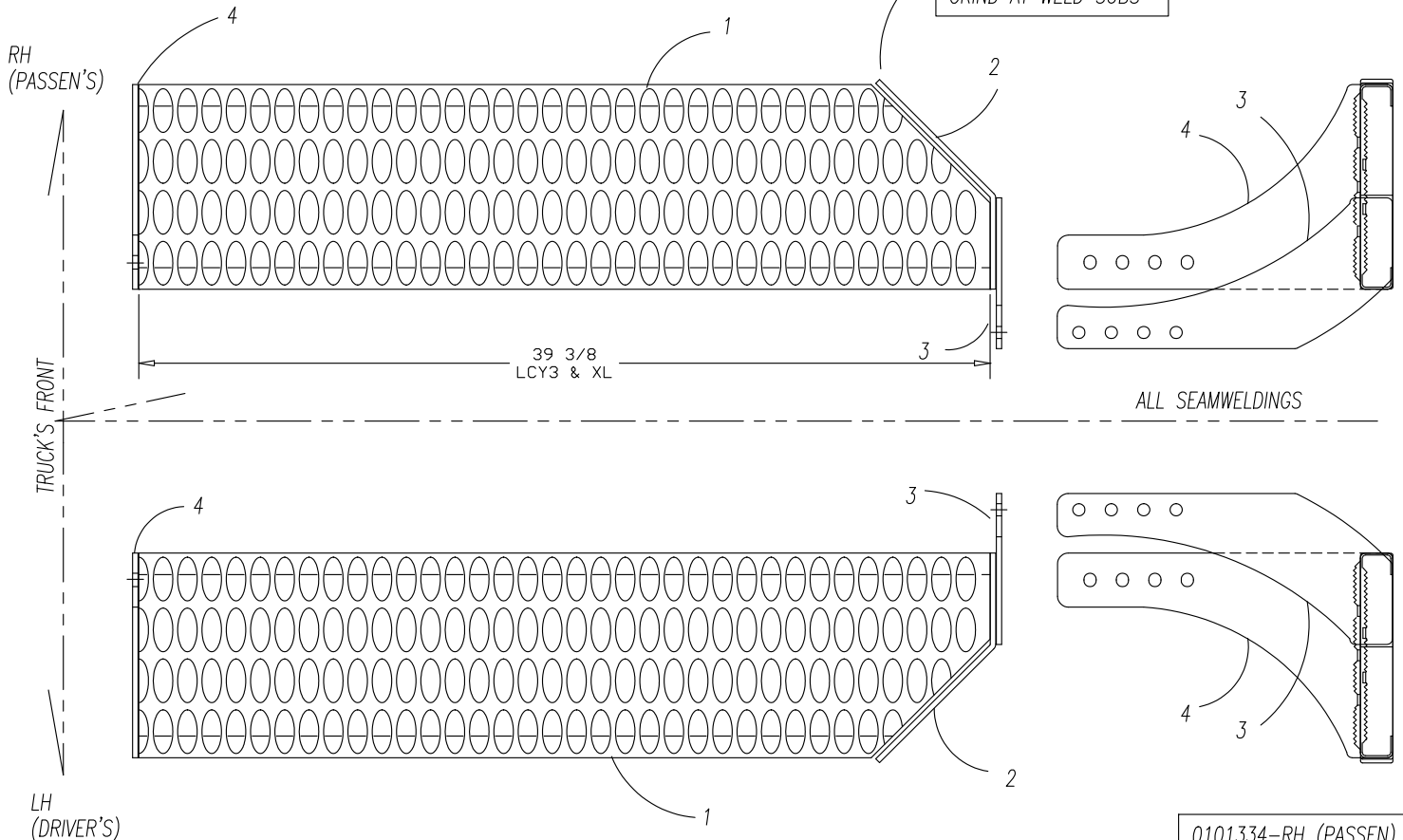
RIDING STEP (GATESIDE)

NO	Q	DESCRIPTION	PART NO
1	1	Entire Step Weldment Assy -LH (Driver's side)	0101335
2	1	Entire Step Weldment Assy- RH (Passenger's side)	0101334
3	4	Hex Head Capscrew 1/2" unc-13 x 1 1/2"	9950702
4	8	SAE Flat Washer 1/2" dia.	9950105
5	4	Nylock Nut 1/2 unc	9950029
6	4	Hex Head Capscrew 1/2"UNC-13 X 4 1/2" lg	9950714



ITEM	REQ	DESCRIPTION	LH (D) PART NO.	RH (P) PART NO.
1	1	TREAD- LCY&XL LENGTH	0090035	0090034
2	1	END CAP	0040119	0040119
3	1	HANGER BRACKET- REARWARD	0031119	0031119
4	1	HANGER BRACKET- FORWARD	0031118	0031118

GRIND THE SHARPNESS
FROM THE TWO
CORNERS HERE (ITEM#2)
GRIND AT WELD SUBS



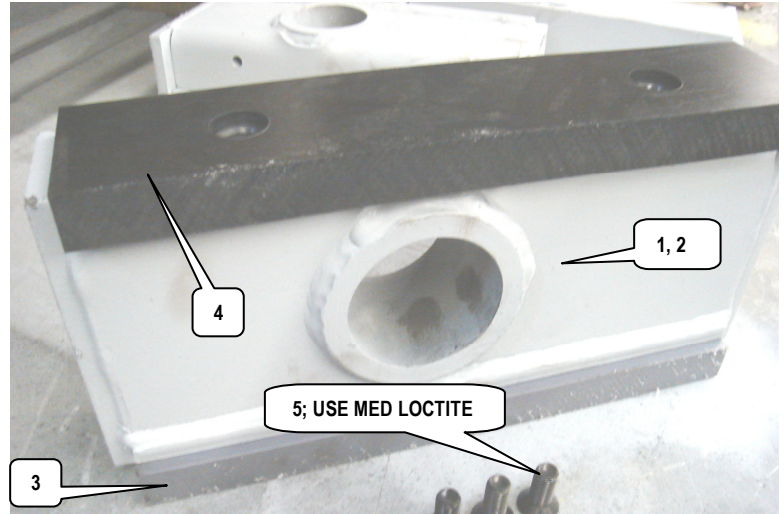
0101334-RH (PASSEN)
0101335-LH (DRIVERS)

XXX

SLIDER BLADE'S SHOE SYSTEM

NO	Q	DESCRIPTION	PART NO
1	2	Shoe Weldment (only) - Driver's side (LH)	0102323
2	2	Shoe Weldment (only)-Passen side (RH)	0102322
3	4	Polymer Shoe (only) - HIGHLY LOADED <i>Will be gray color NYLATRON NSM</i>	2600089
4	4	Polymer Shoe (only) - LOWLY LOADED <i>Will be black color UHMW repro polyethylene</i>	2600061
5	16	C'sunk Screw- 1/2"UNF x 1 1/4" lg.	9950770
6	-	Shim ("Yaw"-controlling <i>donut</i> shaped)	3/16 thk> 0060192 1/4 thk> 0060193 5/16 thk> 0060194
7	-	Slip-In Shim (to "shim" the polymer shoes) <i>Rarely employed...but available</i>	0021081
8	4	Track's Wear Bar (T-1 alloy; welded into track)	0040704
--	2	Complete Driver's Side Shoe Assy (ILH)	0120660
--	2	Complete Driver's Side Shoe Assy (RH)	0120661

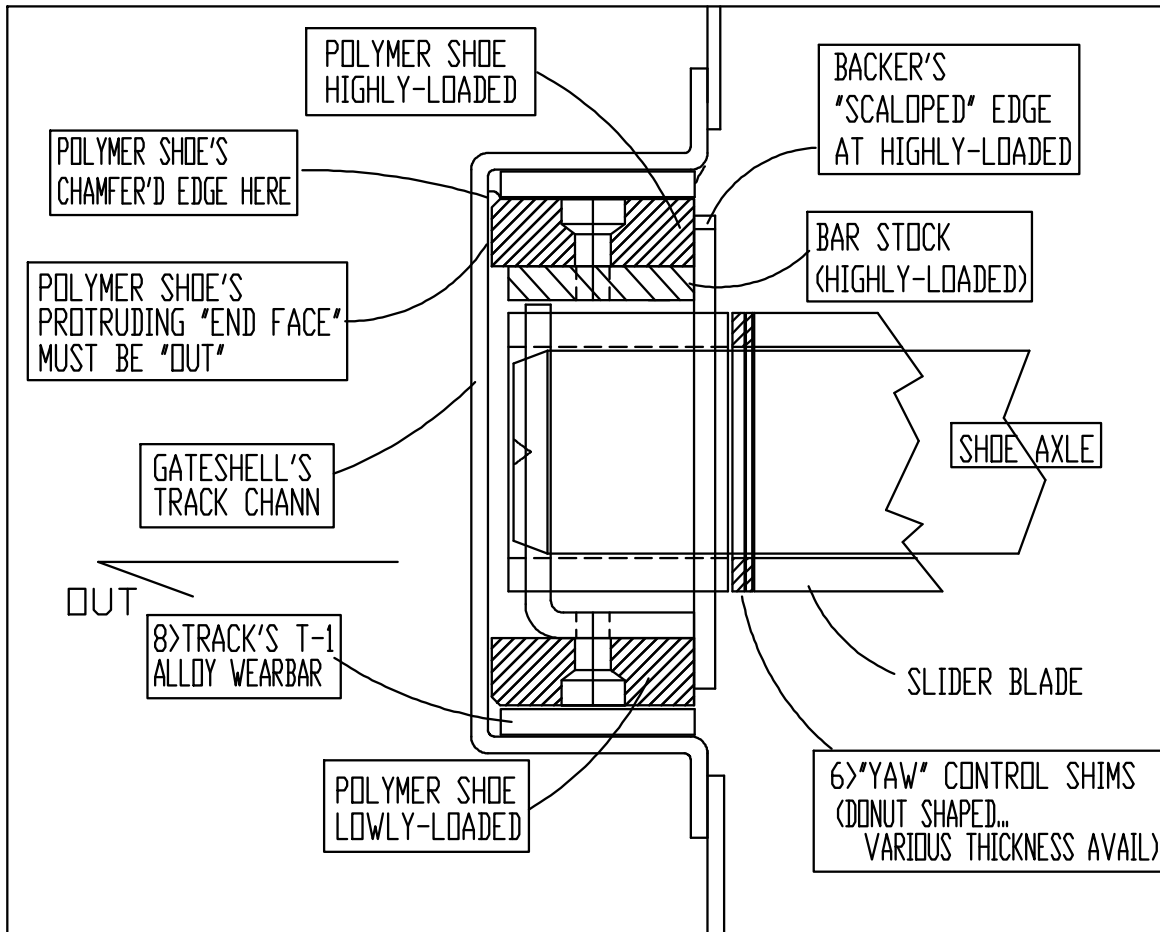
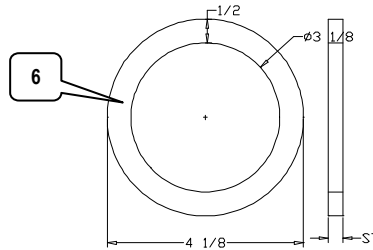
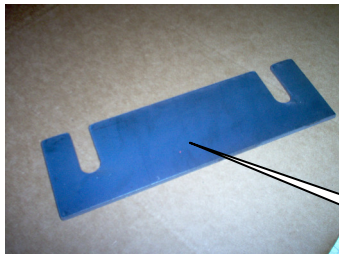
Items 11&12 are the Weldment and Polymer Shoes...pre-assembled



SLIDER SHOE "ASSEMBLY"
INSTALLED AT WRIST



6: "YAW" SHIMS (DONUT)



SLIDER BLADE'S SHOEINGS...CORRECT INSTALL CONFIGURATION!!!

Assure that the HIGHLY LOADED polymer shoes are installed as shown.
Assure that the shoe WELDMENTS are installed as shown.

1) The GRAY color polymer slider-shoes (2600089) are located at the HIGHLY-LOADED postions.

The BLACK color polymer slider-shoes (2600061) are located at the LOWLY-LOADED postions.

2) Also note that the SHOE weldment axles are NOT ON CENTER. (This "eccentricity" helps achieve a more "uniform" wear-down pattern.)

The longer portion of the shoe WELDMENT must be directed
as "diagram'd" below.

3) The one "side" of shoe assembly with protruding polymers must face "outward"...when combined with SHIMS located between the slider blade and the shoe weldment...this provides for YAW control of the slider as it slide's up and down in the track.

4) LASTLY, each shoe WELDMENT (2 left & 2 right) has *one* shoe surface that is BAR STOCK style of shoe-support...you want the BAR STOCK (which will provide extra-support for the "highly-loaded" polymer shoes) *to be at* the HIGHLY LOADED shoe positions

Note: the "inboard" backer plate of the shoe *weldment* has ez to see "scallops" that always indicate where the *bar-stock* is located.

NOTE the "ARROWS" in the diagram...these arrows are indicators of the **HIGHLY-LOADED** positions...

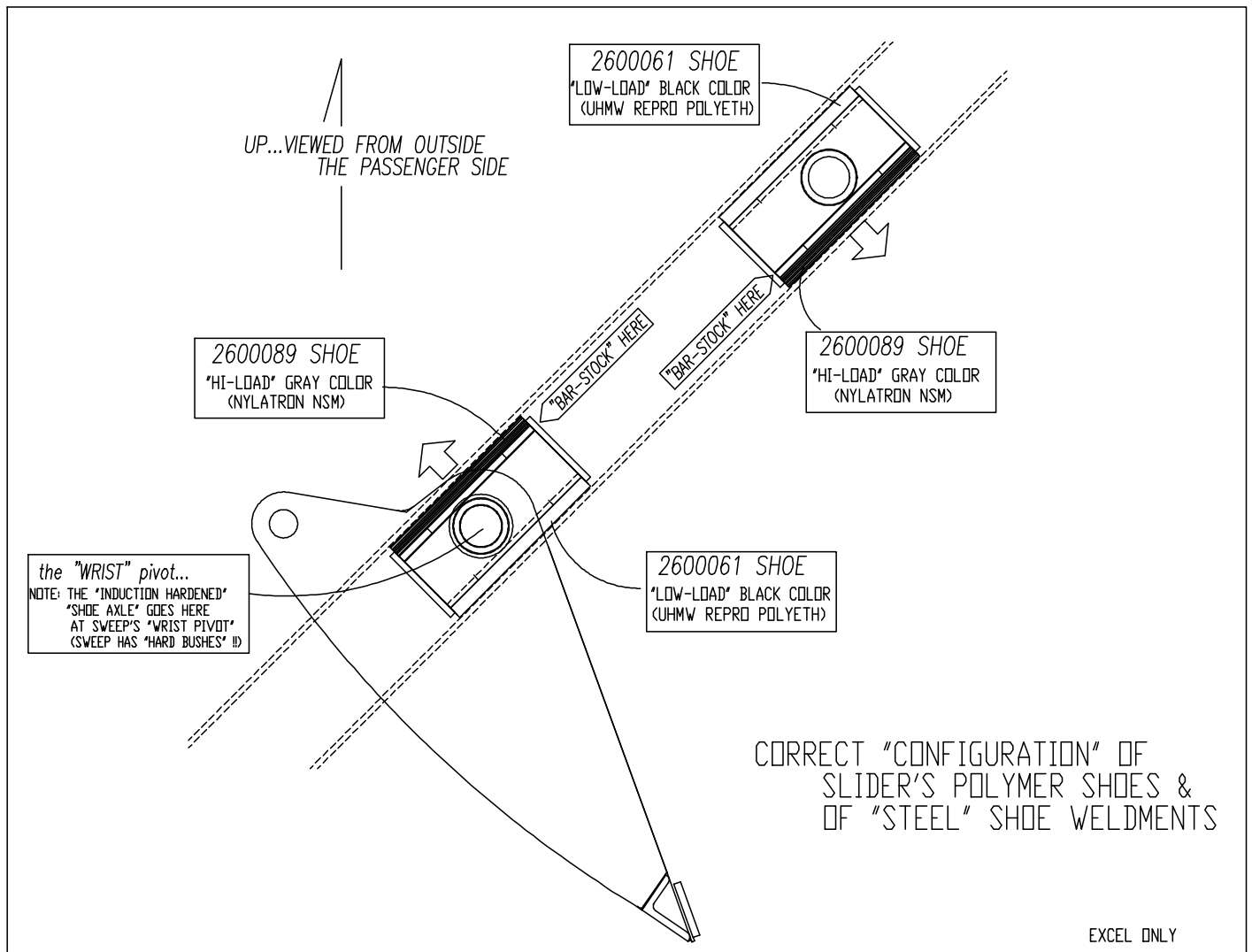
UPWARD for the *lowermost* pair of shoes assemblies (the shoe-pair...driver-side & passen-side... at the WRIST)

DOWNWARD for the *uppermost* pair of shoe assemblies (the pair of shoes...driver & passenger...that are at "higher up" pair of slider-shoe axles)

Study the diagram before beginning "slider shoe" work...if "still a bit confused"...call Loadmaster **800-433-2768** anytime.

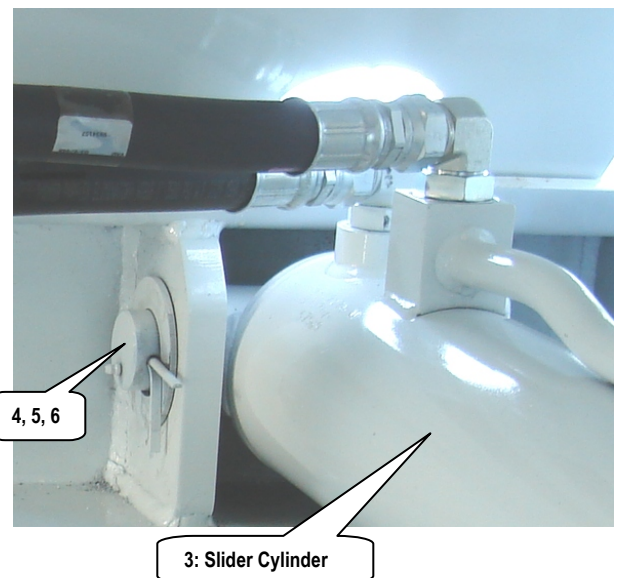
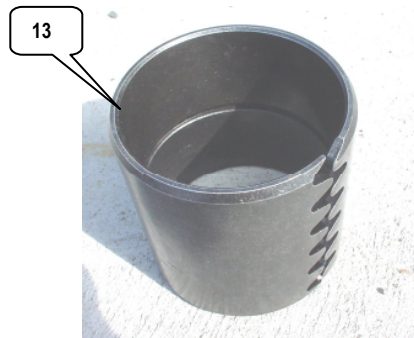
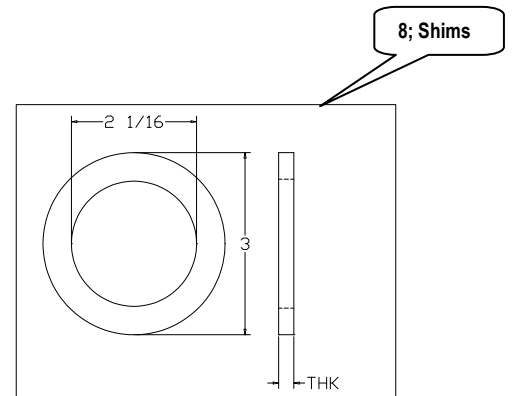
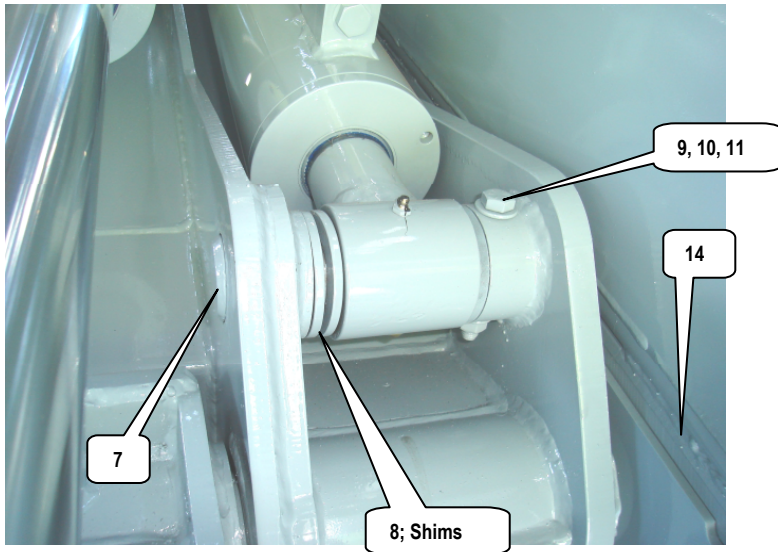
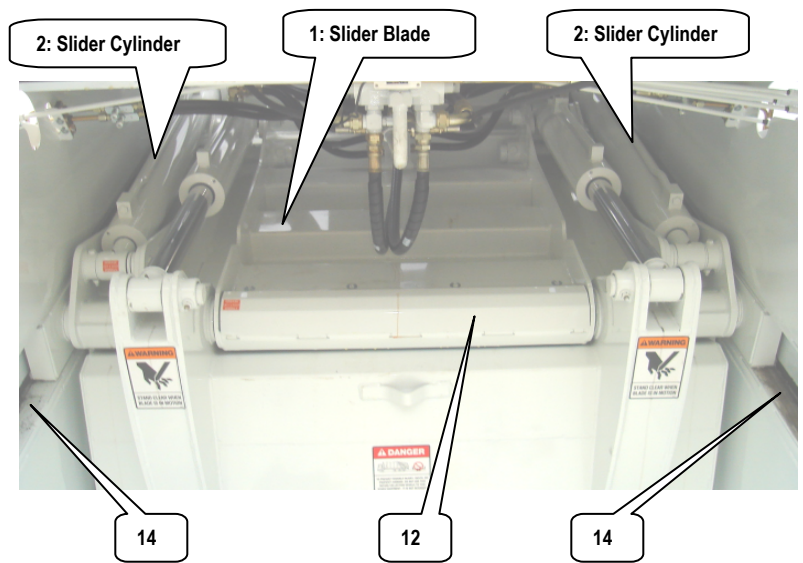
!!!Assuring that this Diagram'd shoe *configuration* is exactly followed...will assure *Long shoe "life"!!!*

<Read the EXCEL's maintenance/service/repair Manual for shoe replacement "procedure".>



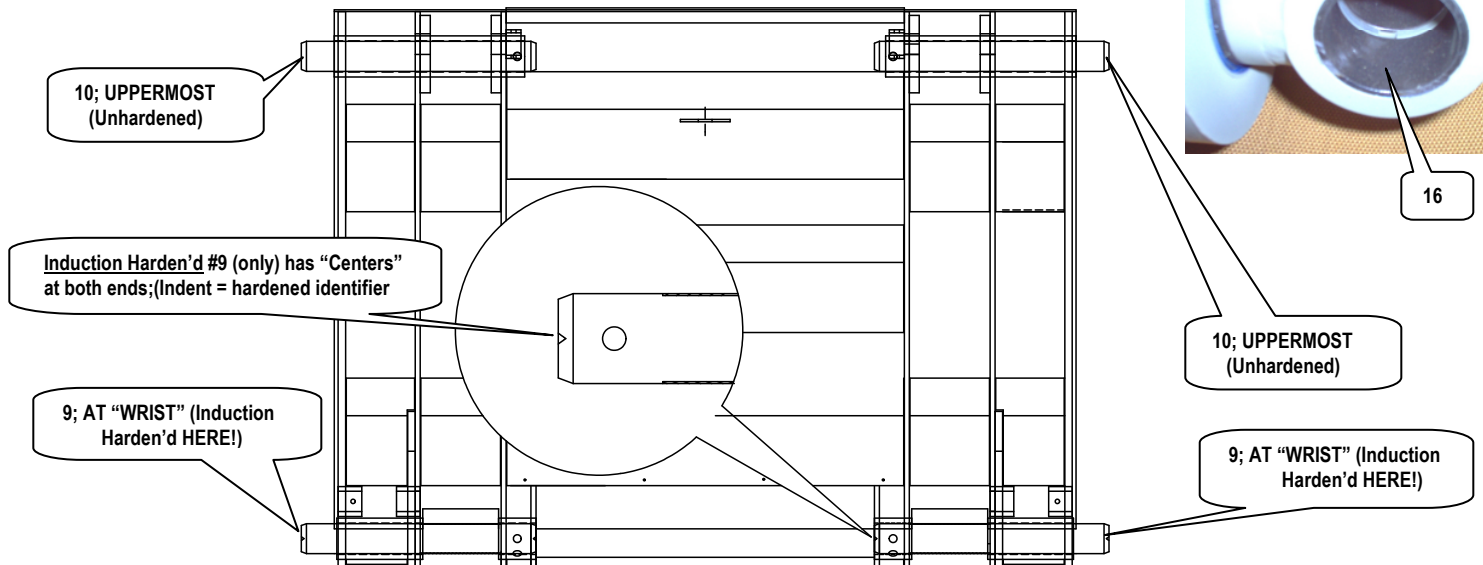
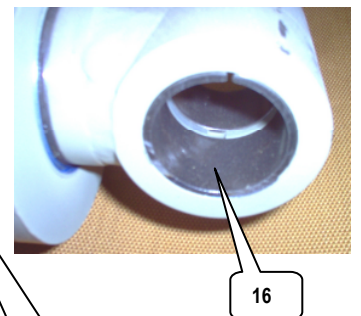
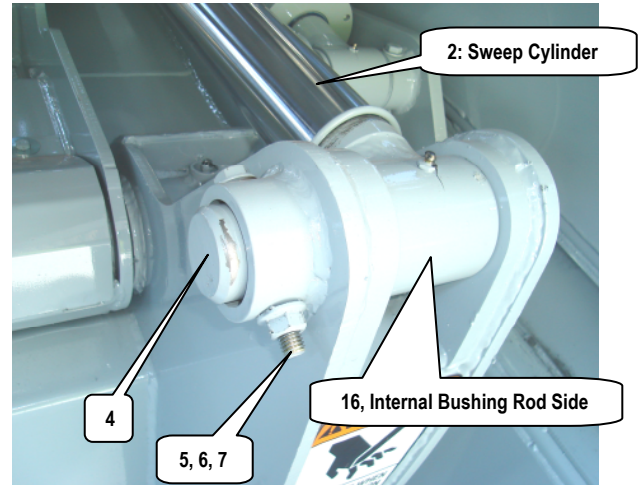
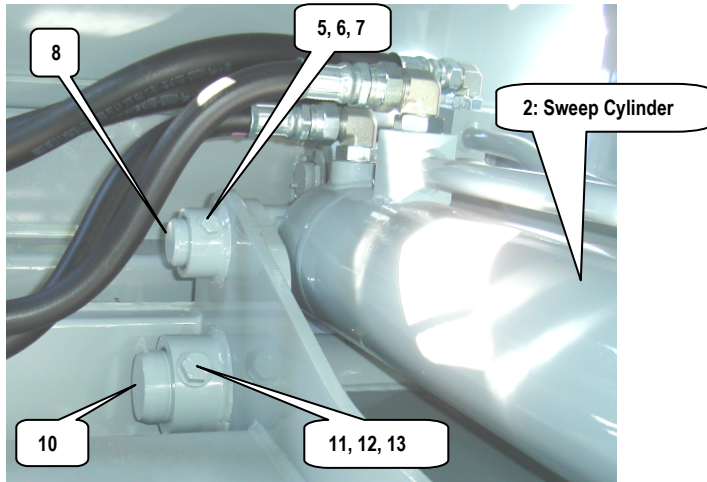
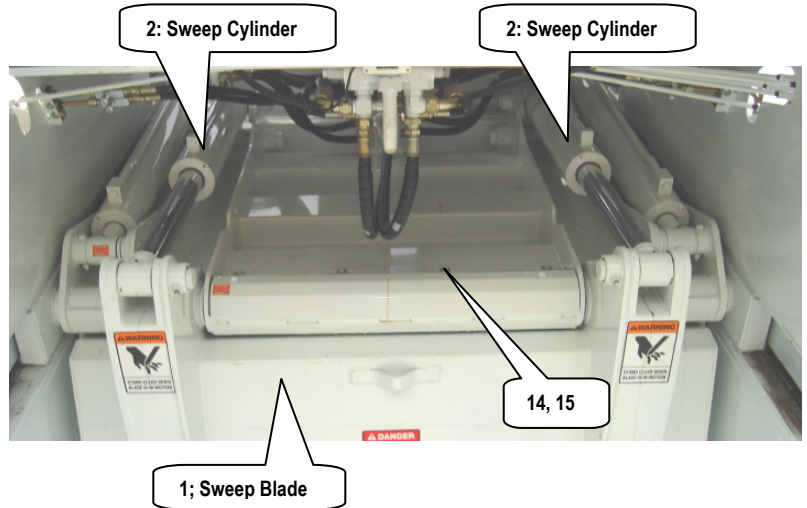
SLIDER BLADE, SLIDER'S CYLINDERS & PINNINGS

NO	Q	DESCRIPTION	PART NO
1	1	XL Slider Blade Weldment (weldment only)	0102319
2	2	Slider Cylinder	9937074
3	-	Extend "cushioned" with bypassing-check for "retract" Complete "Seal Kit" for Slider Cylinder (2007) Contact L/M if needed "individual" cylinder items	8800742
4	2	Upper Slider Pin	0080200
5	4	Fast Washer - 2" sae (thru hard)	9950121
6	4	Cotter Pin- 5/16" x 3 1/2" lg	9950216
7	2	Pin- Slider's rod-side	0080141
8	-	Shim- Slider rod-side pinning	1/4" thick> 0060277 3/8" thick> 0060262 1/2" thick> 0060263
9	2	CapScrew- 1/2"unc x 3 3/4" lg (G8)	9950867
10	2	FlatWasher- 1/2" thru hard	9950138
11	2	FlangeNut- 1/2"unc (grade C)	9950062
12	1	Cover- wrist axles	0021077
13	4	Wrist Hard Bushings (3 1/32" ID)	9960244
14	4	Track Wear Bar - XL	0040704



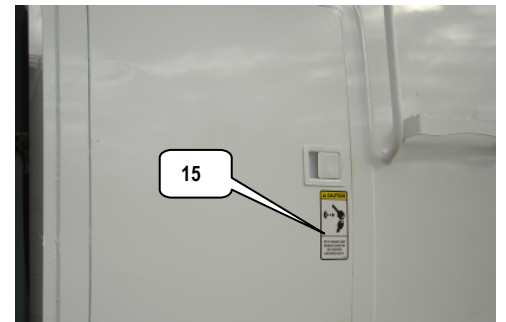
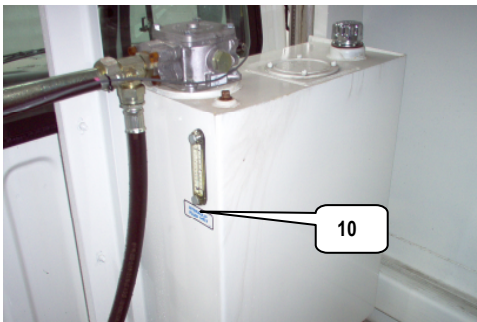
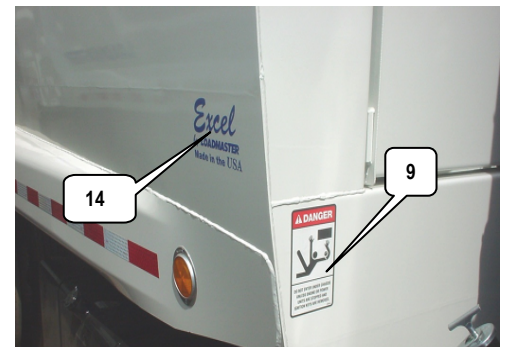
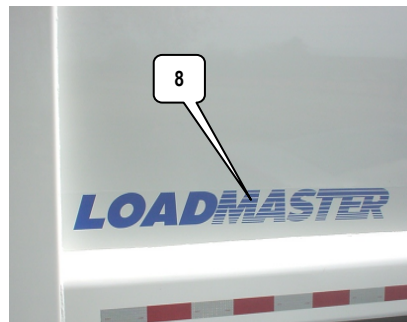
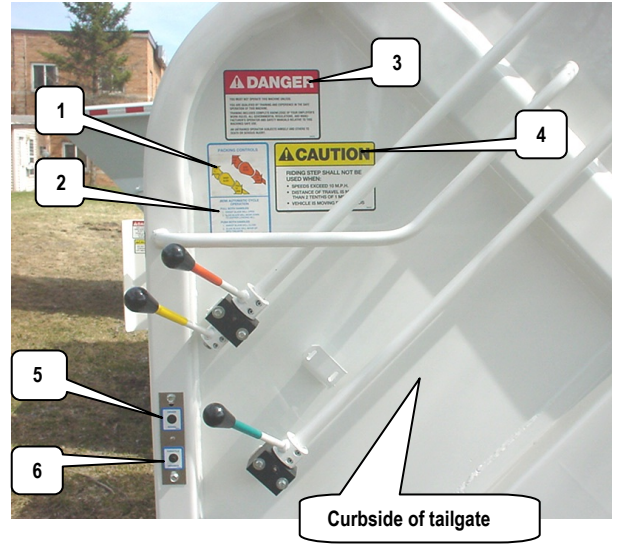
SWEEP BLADE, SWEEP'S CYLINDERS & PINNINGS

NO	Q	DESCRIPTION	PART NO
1	1	XL Sweep Blade Weldment (weldment only)	0102307
2	2	Sweep Cylinder	9937075
3	-	Complete Seal Kit for Sweep Cyl (2007)	8800743
4	2	Pin- Sweep Cyl's Rod-side	0080224
5	4	CapScrew- 1/2"unc x 3 3/4" lg (Grade 8)	9950867
6	4	FlatWasher- 1/2" thru hard	9950138
7	4	Flange Nut- 1/2" unc (grade C)	9950062
8	2	Pin-Sweep Cyl's Base-side	0080225
9	2	Shoe Axle Pin- Wrist (3" Dia/ induction-harden'd)	0080240
10	2	Shoe Axle Pin- Uppermost (3" Dia/ un-harden'd)	0080203
11	4	CapScrew- 3/4"unc x 5 1/2 lg. (grade 8)	9950869
12	Q	Washer- 3/4" Thru Hard	9950870
13	4	TopLock Nut- 3/4" UNC (Grade C)	9950861
14	4	Capscrew – Self-threading 5/16 -18 x 1/2"	9950881
15	4	Flat washer 5/16"	9950102
16	2	Hardened Bushing – Sweep's Rodside	8800185

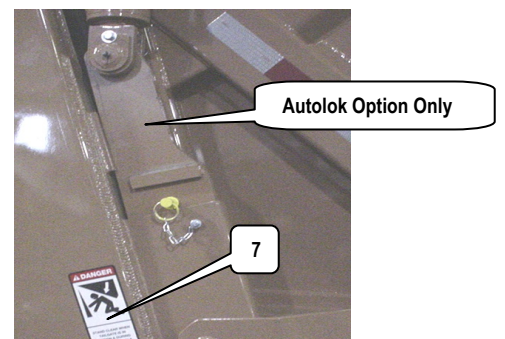
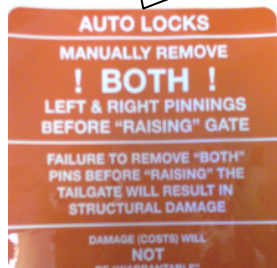


INDIVIDUAL DECALS BY "LOCATIONS"

NO	Q	DESCRIPTION	PART NO
1	1	Color code Overlay decal	9980069
2	1	Packing Controls Instructional	9980022
3	2	DANGER... <i>you must not operate...</i>	9980020
4	2	CAUTION... <i>riding step...</i> (Large version)	9980024
5	2	Driver Signal Label	9980007
6	3	Throttle Advance Label	9980009
7	2	DANGER... <i>stand clear when...</i>	9980018
8	-	Logo Decal- Blue Conspicuity/Reflective - White Conspicuity/ Reflective	9980055 9980054
9	2	DANGER... <i>do not enter...</i>	9980016
10	1	HYDRAULIC OIL ONLY label	9980008
11	1	UNLOADING CONTROLS instructional	9980023
12	1	Auto Lok Option "PINNING" Instructional	9980074
13	1	CAUTION... <i>keep access door...</i>	9980019
14	2	L/M "Model" Script Logo	--
15	1	CAUTION... <i>stop engine....</i>	9980021
16	2	CAUTION... <i>autolock option decal</i>	9980074

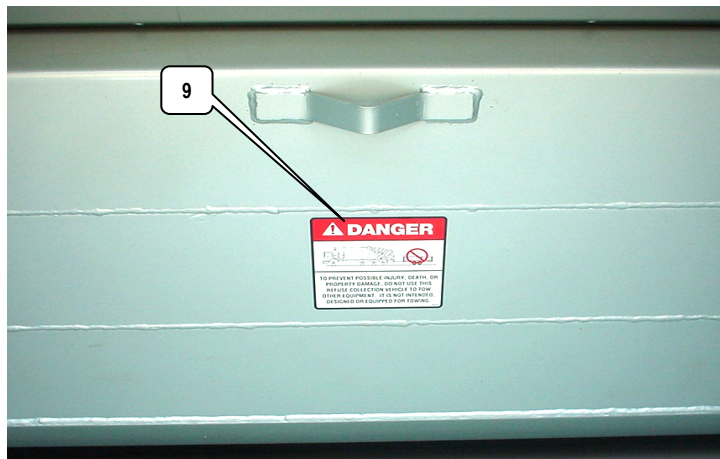
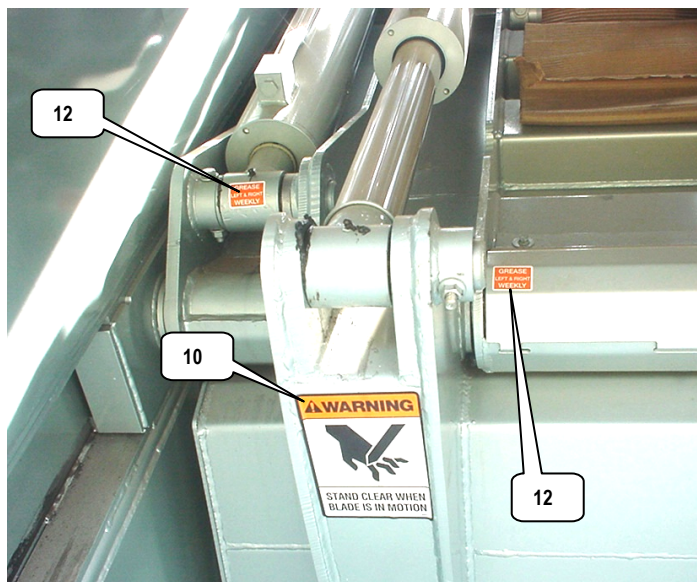
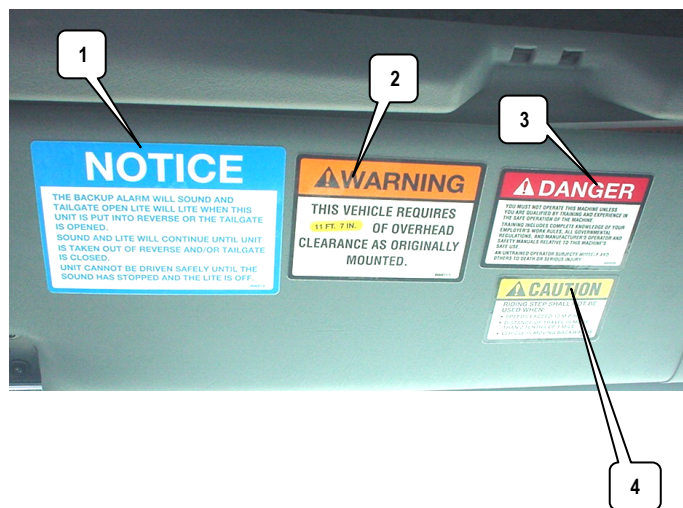


12 (Used W/ Autolok and Optional Pinning) Shown in Photo @ Right



INDIVIDUAL DECALS BY "LOCATIONS" (CONT'D)

NO	Q	DESCRIPTION	PART NO
1	1	NOTICE. the backup alarm...	9980014
2	1	WARNING...this vehicle requires...	9980011
3	1	DANGER...You must not operate...	9980000
4	1	CAUTION...riding step... (in-cab "small")	9980001
5	2	DANGER... you must not operate	9980020
6	2	CAUTION...riding step shall...	9980024
7	2	DRIVER SIGNAL Label	9980007
8	2	DANGER...do not ride on back....	9980025
9	1	DANGER...to prevent possible....	9980015
10	2	DANGER...stand clear....	9980017
11	-	Conspicuity Taping	9980058
12	2	Grease Weekly Decal	9980070

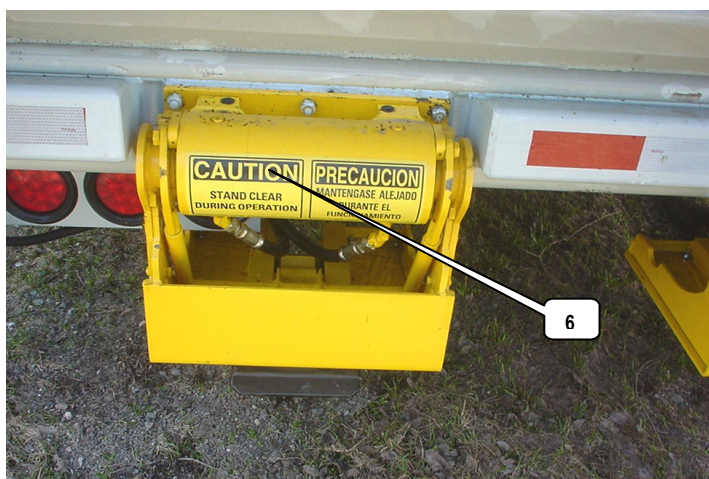
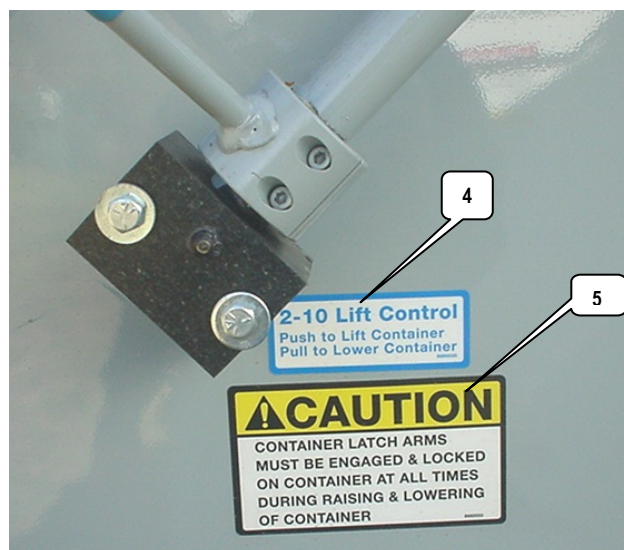
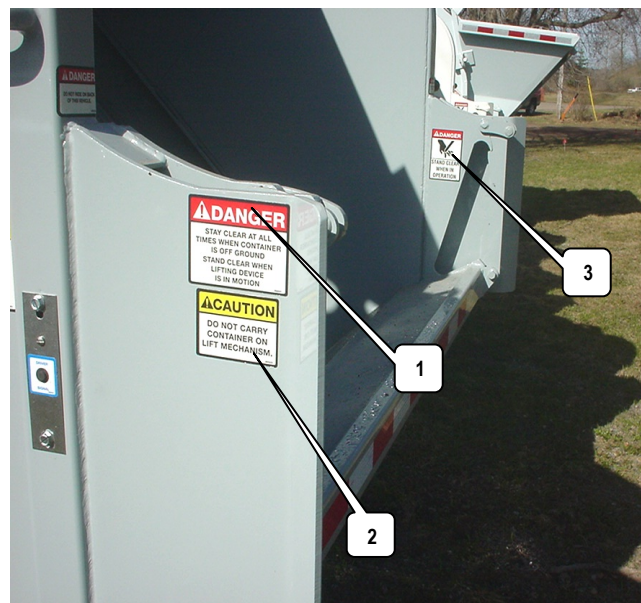


NO	Q	DESCRIPTION	PART NO
1	1	Body Decal Sheet	9980038
2	1	Options Decal Sheet	9980037
3	1	Cab Decal Sheet	9980036
4	1	Knob Overlay Decal	9980069
5	4	Grease Weekly Decal	9980070



COMMON OPTION DECALS....MAINLY "Container Handling"

NO	Q	DESCRIPTION	PART NO
1	2	DANGER...stay clear at...	9980027
2	2	CAUTION...do not carry....	9980028
3	2	DANGER...stay clear...	9980026
4	1	"2-10" Knobbed lever label	9980030
5	1	CAUTION...container latch arms...	9980033
6	-	CT (Cart Tipper) decals	not L/M
Contact "Tipper Company" with your tipper "model no." For CT fresh Decal replacements			

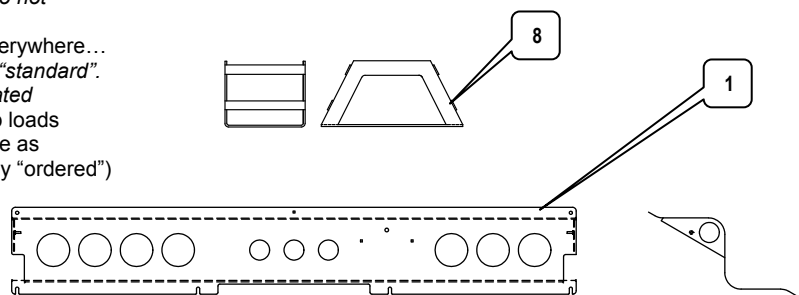
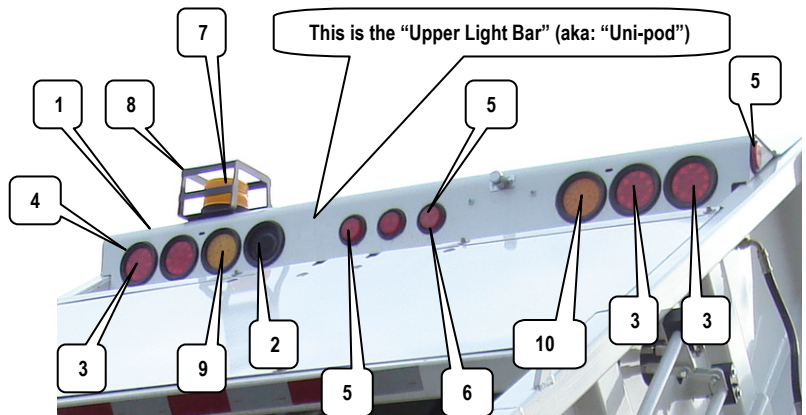


STREET LIGHTS AND SIGNALS

NO	Q	DESCRIPTION	PART NO
1	1	Upper Light Bar Weldment (weldment only)	0101319
2	1	Backup Alarm <i>Grommet mounted "style" in upper light bar</i>	9910168
3	8	4" SST LED Red Light	9910226
4	-	4" Grommet	9910216
5	5	2 1/2" Red LED Marker Light	9910224
6	-	2 1/2" GROMMET	9910217
7	-	Strobe Light ("Beacon Style") - Optional	9910044
8	-	(OPTION) Strobe Cage Weldment (Weldment only)	0120215
9	-	(OPTION) 4" Round Amber Strobe (SAE 1)	9910250
10	-	(OPTION) 4" Round Amber Strobe (SAE 4)	9910251

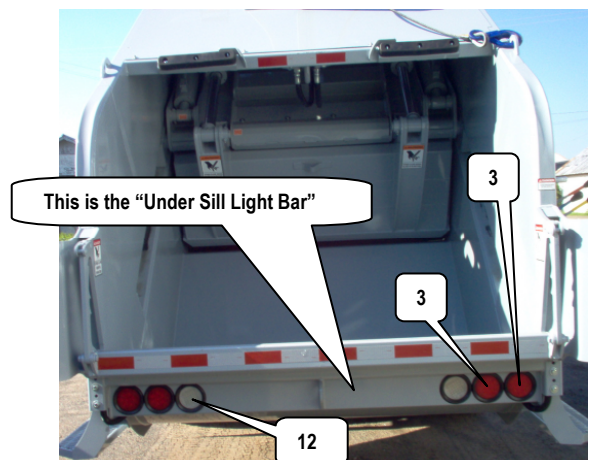
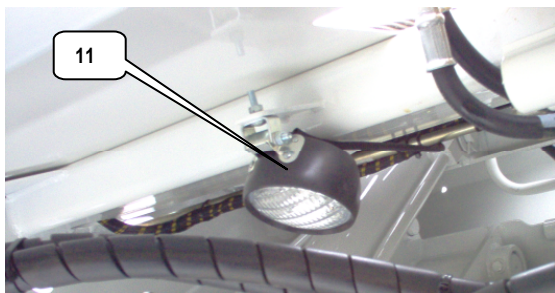
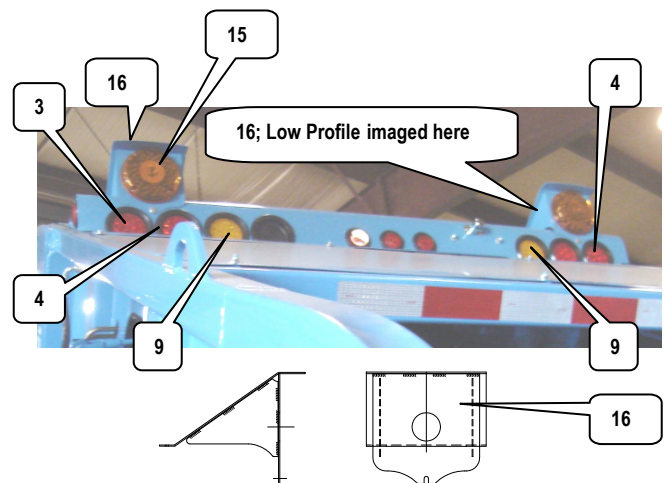
Mounting one of "250" and one of "251" creates Alternating Flashing "PAIR". (These 4" Round STROBE PAIRS do not Need "separate" flasher module.)

LOADMASTER is "Base Product Standard" with **LED lighting** everywhere... except the **BACK UP** lights, which are **INCANDESCENT** as the "standard". The Standard Incandescent BACK-UP Lights (4) are *Relay Isolated* (near the Firewall Term Strip) to take higher "incandescent" amp loads off the Chassis' "brain". NOTE: **LED Back-Up** lights are available as a cost adding "Option" from LOADMASTER (and fairly commonly "ordered")



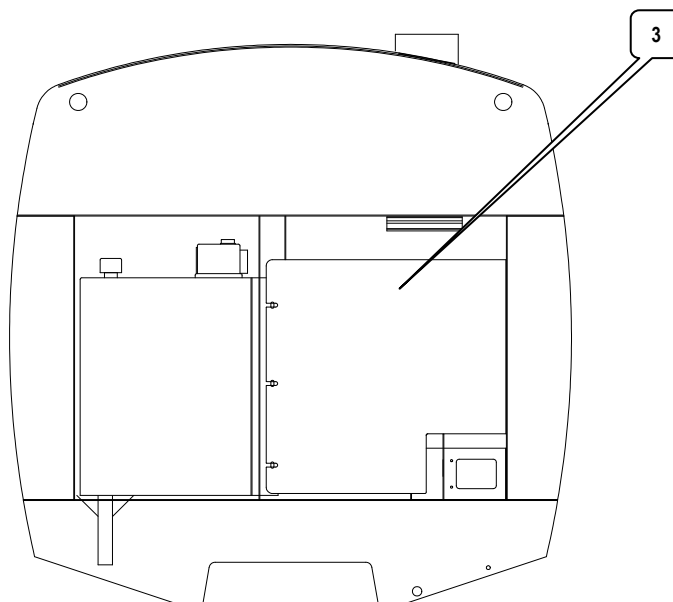
LIGHTINGS (CONT'D)

NO	Q	DESCRIPTION	PART NO
11	2	OPTION: Hopper Work Light <i>Usually a "pair" IN THE HOPPER work lights</i>	9910026
12	2	4" BACK-UP Light (Incandescent= STD) (LED= option)	9910213 9910277
13	2	Amber Oval Side Marker	9910227
14	2	Grommet for Side Marker	9961001
15	2	OPTION: 7" Amber Strobe light - LED	9910283
	1	FLASHER MODULE necessary for #15	9910284
16	2	Low Profile 7" Strobe Light Mount (Weldment Only)	0120683



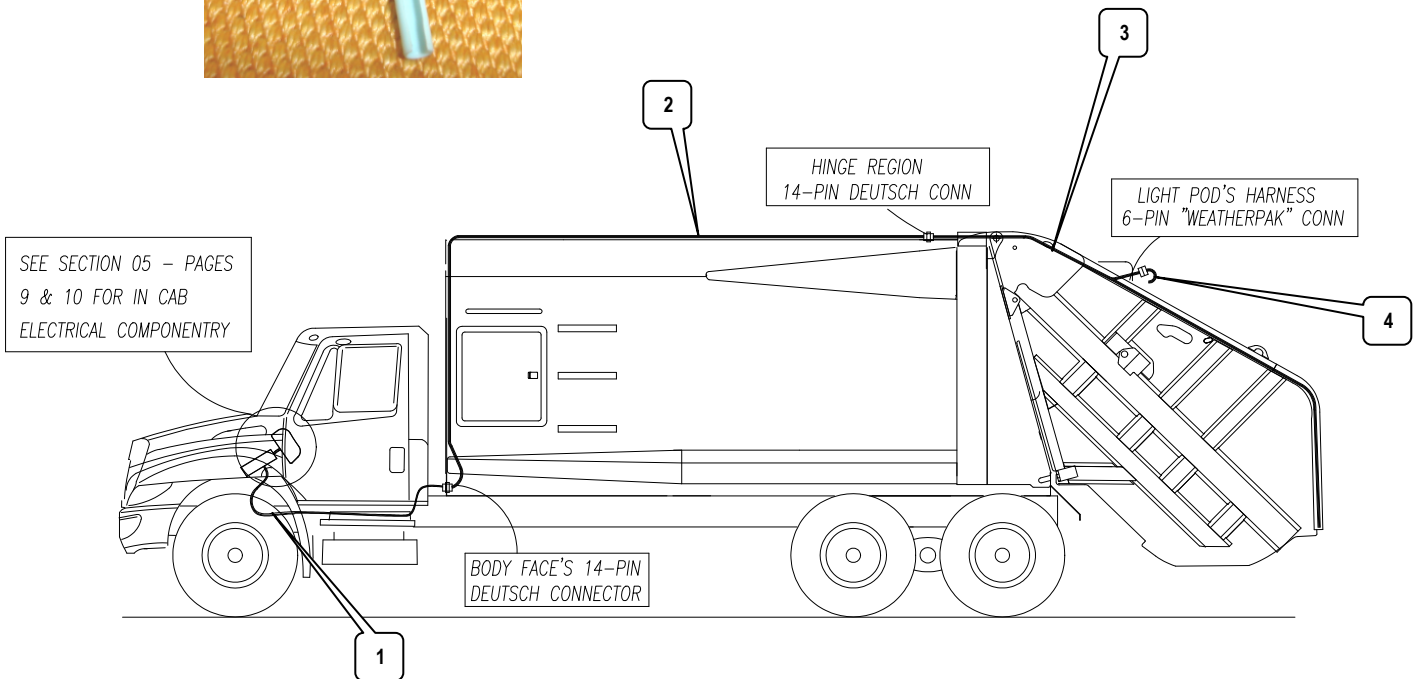
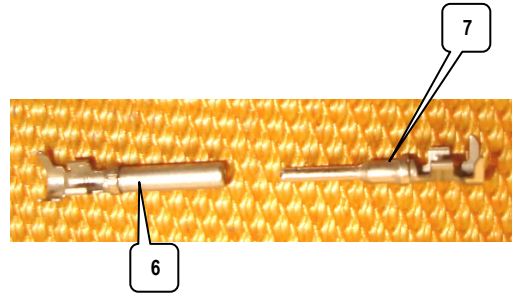
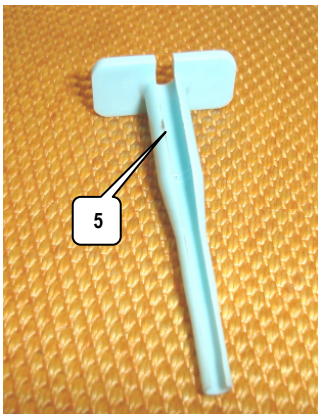
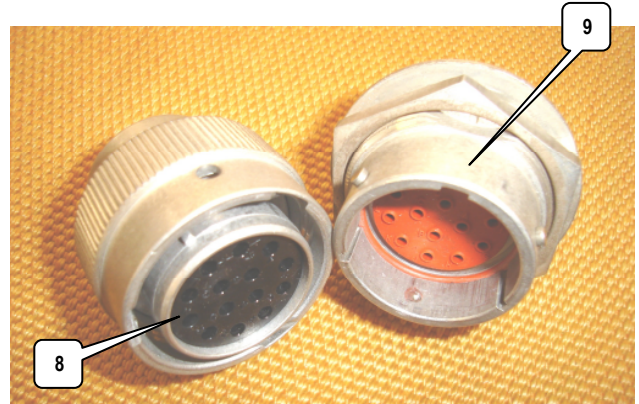
SHEET METAL PANELS/ ENCLOSURES

- 1 1 UniPod WeldAssy- *EXCEL* style (aka=Upper Light Bar) 0101319
Would be "primed" ...unless ordered per color number
This weldment p/n does NOT include "any" electrical apparatus, lights, etc.
- 2 1 Lower Rain Cover Panel...*EXCEL* style plain 0021052
Works with "2-10 reeve" and/or Plain Jane unit
- Lower Rain Cover...w/ **WINCH** Option "holes" 0021559
 - Lower Rain Cover....w/ "1-2" **Sling Lift** Opt "holes" 0021430
- 3 1 OPTION: "Front of Body" cover panel 0021262



ELECTRICAL "HARNESSING" BY GEOGRAPHY

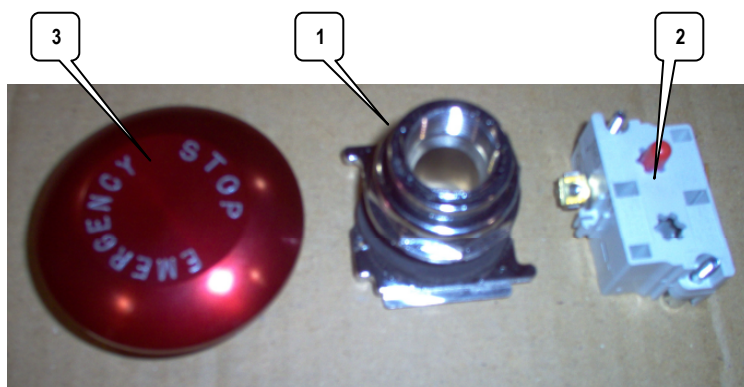
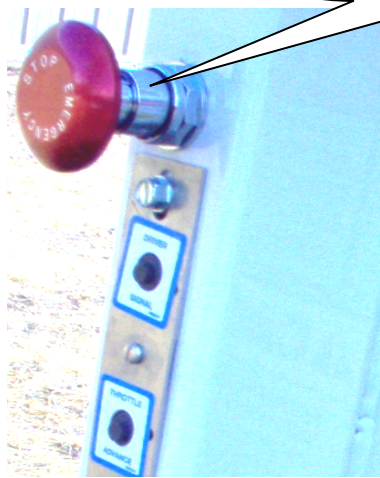
NO	Q	DESCRIPTION	PART NO
1	1	Cab Harness	9910139
2	1	Body Harness	9910140
3	1	Tailgate Harness	9910233
4	1	Light Pod Harness (for upper light pod) <i>LED -style</i>	9910238
5	-	Extractor Tool (for wires w/ #8 or #9)	8800105
6	-	Female Pin (inserts into item #6)	8800107
7	-	Male Pin (inserts into item #9)	8800106
8	-	Deutsch Male "Halve" of Conn <i>The halve with the knurled sleeve outside</i>	8800104
9	-	Deutsch Female "Halve" of Conn <i>The halve with the bulkhead Nut & spring washer</i>	8800103



"OPTIONAL" EMERGENCY PTO KILL SWITCH

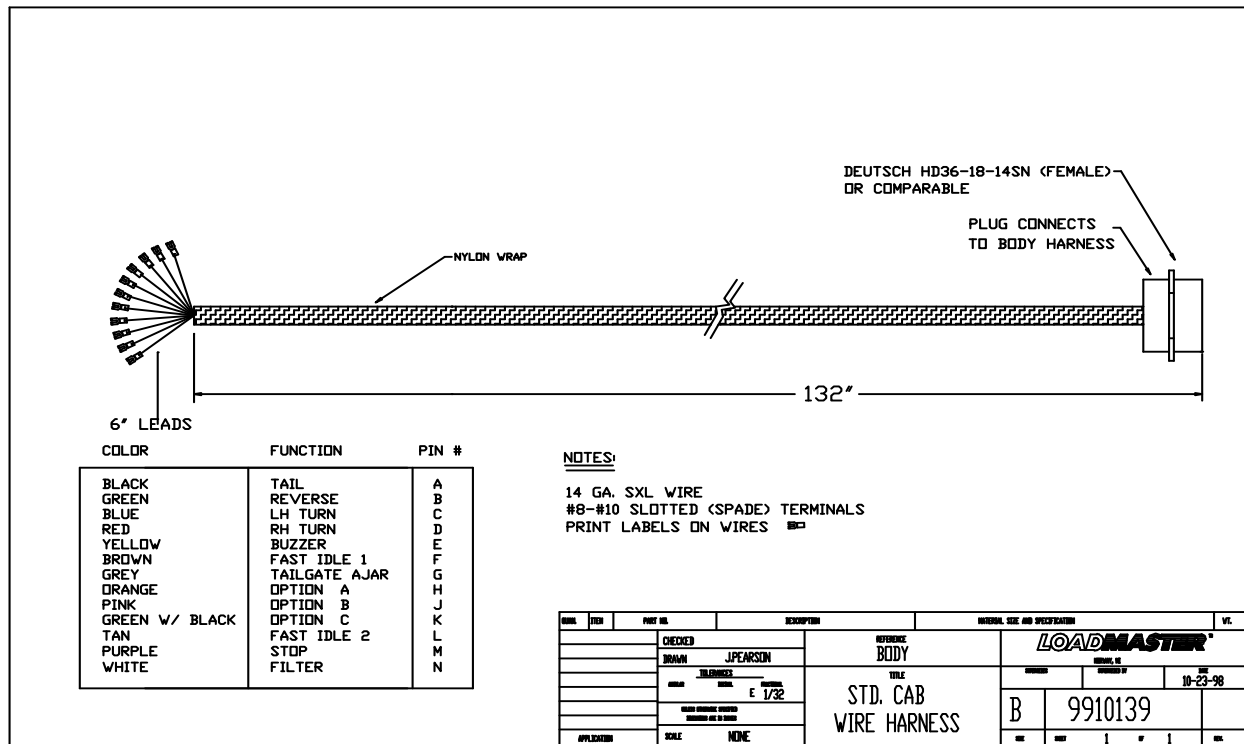
- | | | | |
|---|---|---|---------|
| 1 | 2 | Emer. STOP Switch
(Push / Pull 2 Position Operator) | 9910206 |
| 2 | 2 | Emer. STOP Switch
(Contact Block) | 9910207 |
| 3 | 2 | Emer. STOP Switch
(Red Jumbo Mushroom Button) | 9910208 |

EMERGENCY STOP SWITCH / LOCATED
AT REAR HOPPER SIDES (See item
numbers @ right)

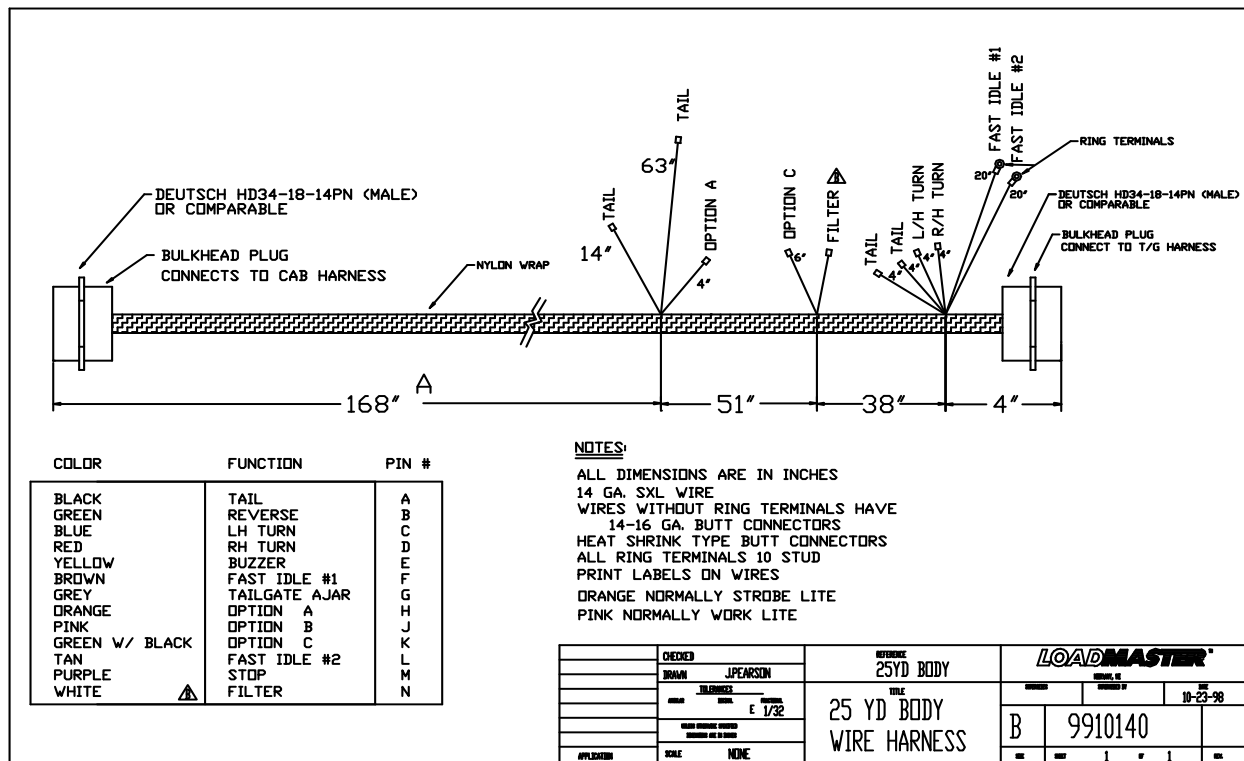


ELECTRICAL HARNESS "SEGMENTS" CONT'D

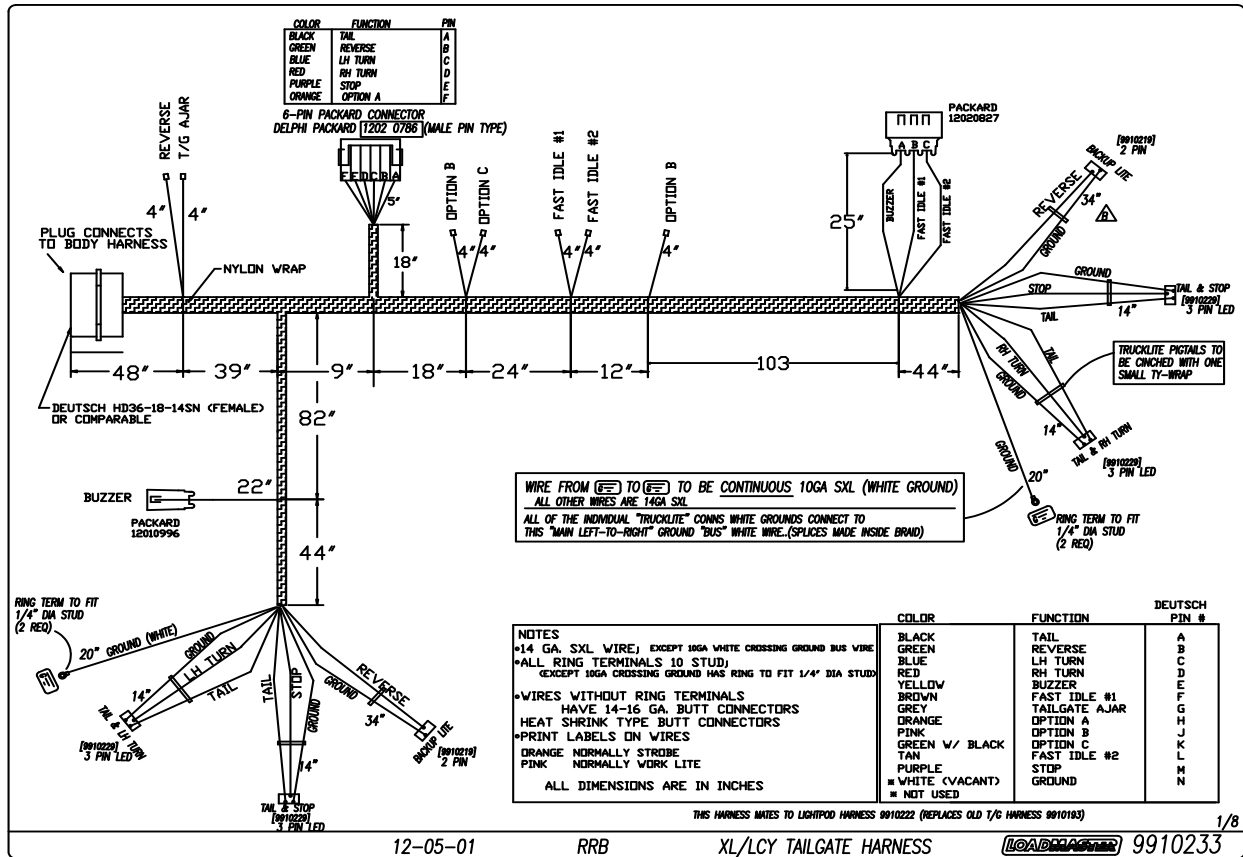
1- "Cab" Harness



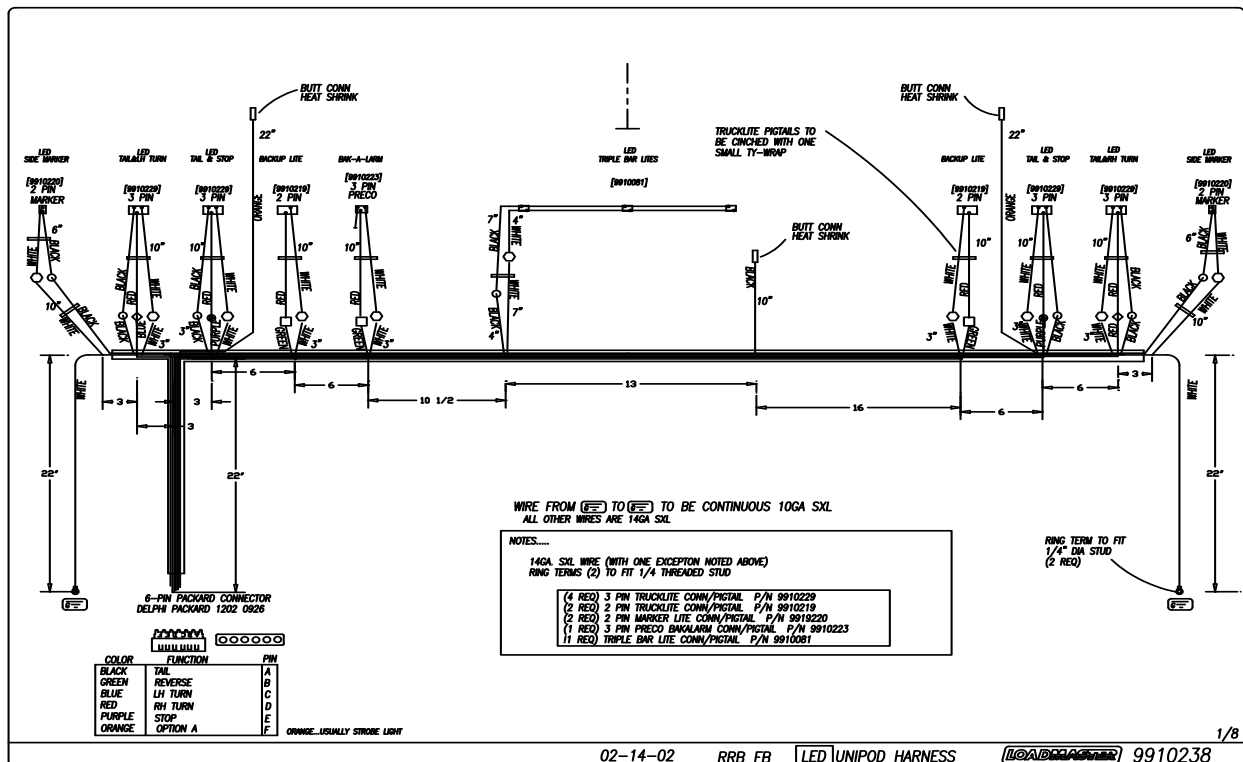
2- "Body" Harness



3-"Tailgate" Harness

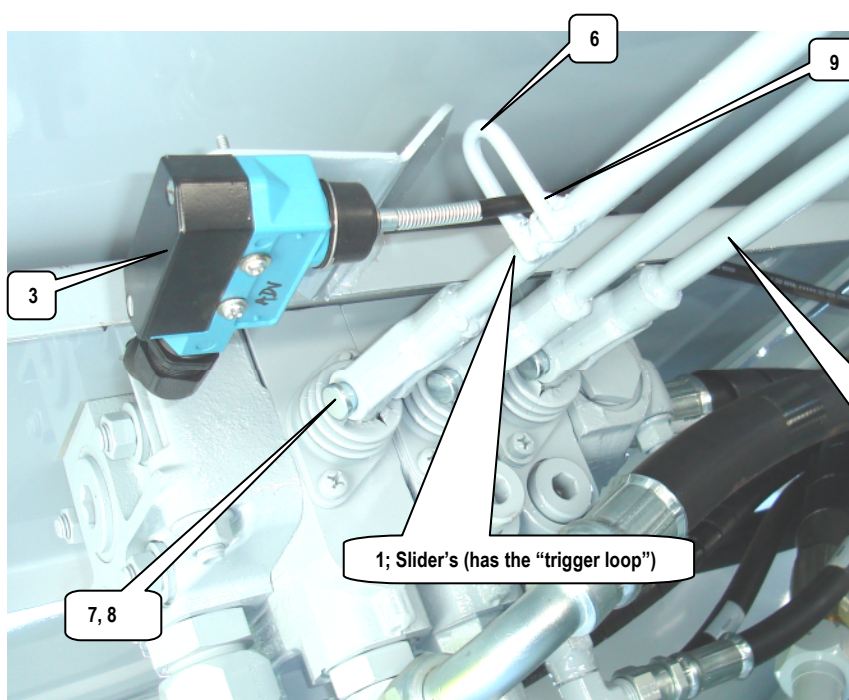
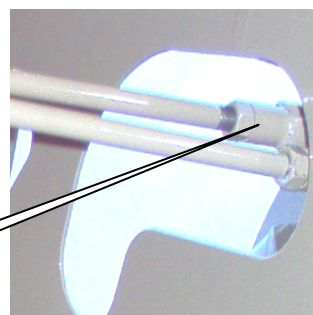
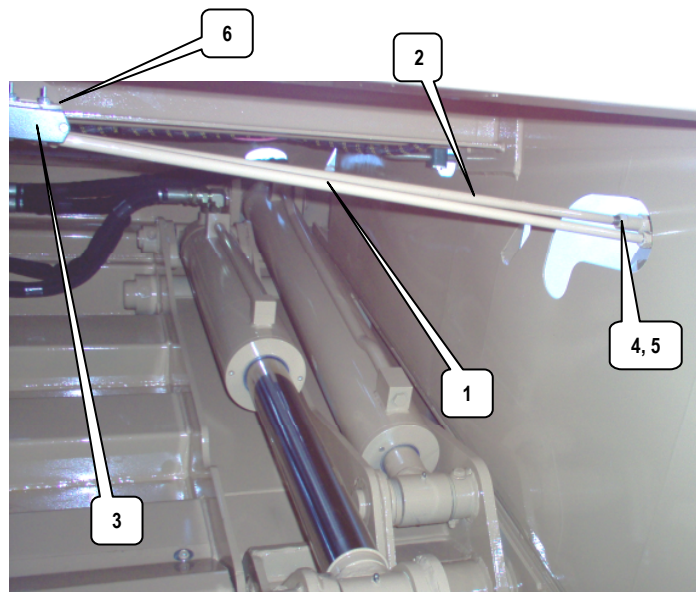


4- "Light pod" Harness (for upper light pod sub assembly)



THROTTLE- ADVANCE LIMIT SWITCH W/ ("Push-Pull" Rods)

NO	Q	DESCRIPTION	PART NO
1	1	Control Rod with trigger (Slider's" Push-Pull" Rod) <i>38" long for the Excel</i>	0101397
2	1	Control rod (without switch trigger <i>Sweep's and any OPTIONS</i>	0101392
3	1	PRE-WIRED THROTTLE ADVANCE SWITCH ASSY MOUNTING SREWS INCLUDED Wired N.O. for the Throttle-Advance with Footage of SJOOW jacketed cable and watertight Connector at the switch body	0101193
	1	Limit Switch <i>only</i>	9910131
	1	Cord-grip sealing connector (at switch's body)	9910130
4	2	Yoke	9960017
5	2	.50 UNF Jam nut	9950017
6	1	Mount plate-Throttle-Adv	0020790
7	2	1/4 x 1" Clevis pin	9950263
8	2	5/64 x 1/2" Cotter pin	9950214
9	1	Trigger Loop "only" <i>Weld-on part...the U-shaped piece</i>	0080131



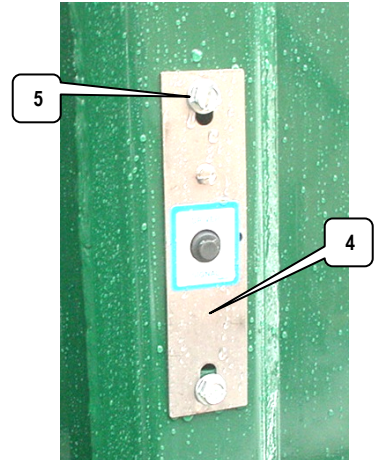
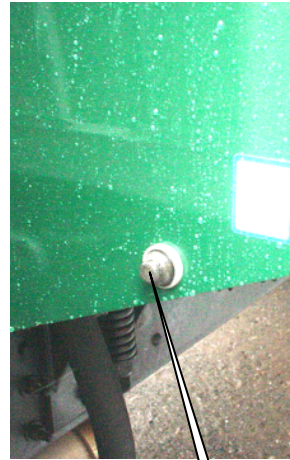
1; Slider's (has the "trigger loop")

2; Sweep's & Optional
Work Sections (no trigger)

7, 8

GATE AJAR SWITCH & BUTTON-HEAD SWITCHES

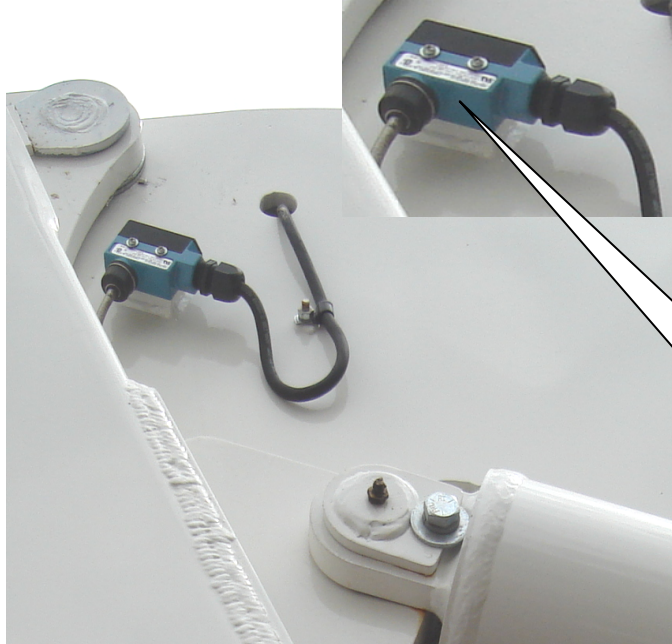
NO	Q	DESCRIPTION	PART NO
1	1	Pre-Wired GATE AJAR limit switch ASSEMBLY Includes the switch, the SJOOW cable, the cord-grip And attachment fasteners....wired N.C. for the gate ajar function	0101192
		Limit Switch Switch <i>only</i> (wobble stick)	9910131
		Cord Grip Only	9910130
2	1	Momentary Button Head Switch <i>Cole-Hersee style</i>	9910048
3	1	Stainless Steel Switch Panel- Dual	9910179
4	1	Stainless Steel Switch Panel- Single	9910180
5	4	Self-Drilling/ tapping Screws 5/16-18 x 1/2" long FASTENAL 32415	----



2

3

5

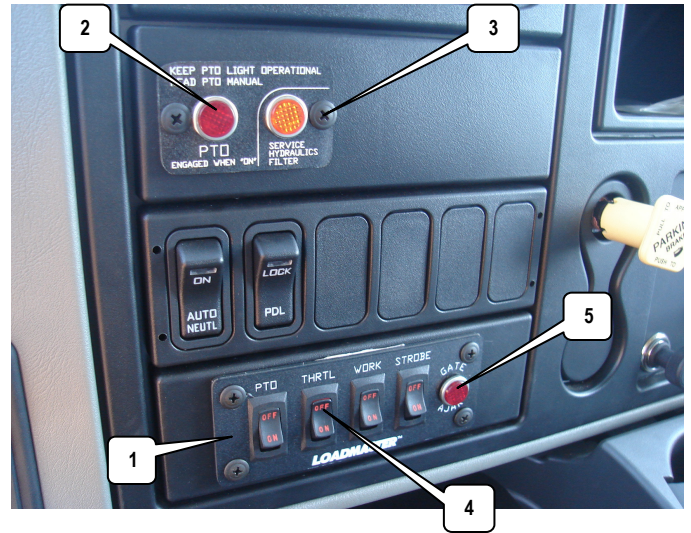


1; WIRED **NC** for GATE
AJAR.... AND "HELD
OPEN" BY THE
LOWERED TAILGATE

IN CAB ELECTRICAL CONTROL PANELS

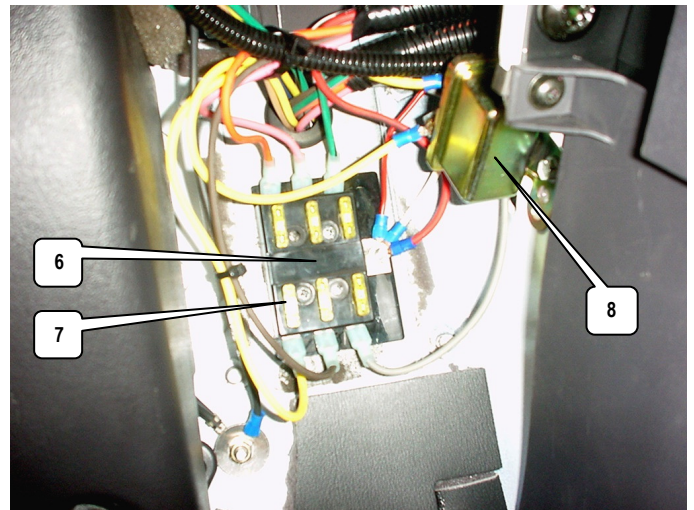
NO	Q	DESCRIPTION	PART NO
1	1	Rocker-Switch Deck <i>Complete 4-gang of Rockers w/ ajar light on its panel Red-band will "show" when rocker is in "ON" position</i>	9910128
2	1	Two-Light Mini-Panel <pto & service filter> <i>Complete 2-lite on its panel IMPORTANT: Keep the PTO light in good working condition!!</i>	9910273
3	6	Trim Screw- Black anodized "Teks #8 x 1/2"	9950435
4	4	One Replacement Rocker Switch only <i>2-position on/off almost always (snap-in)</i>	8800506
5	1	One Gate Ajar Pilot light (w/ bulb) <i>Snap-in the hole...style of housing</i>	9910197

IMPORTANT!!! Keep Gate Ajar light in good working condition!!



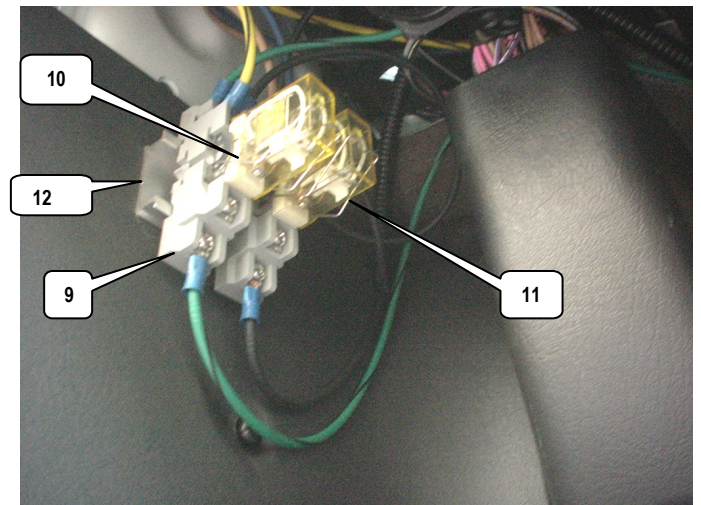
6	1	Fuse Block (just the base...no fuses) <i>Base here fuses 6 separate circuits "Branche"</i>	9910092
7	6	Fuse <i>All ATC 20 amp...except PTO fuse is 7 1/2 amp!</i>	NAPA, etal
8	1	Buzzer <i>Old fashioned, common Cole Hersee style of Driver Signal Buzz</i>	9910077
9	-	Relay Base (gray color: hard-wiring base) <i>Typically two req'd...but can vary</i>	9910185
10	-	Relay <i>Yellow, transparent ICECUBE relay...plugs into Base above</i>	9910184
11	2	Relay Anchoring Kit <i>Includes 2 (per relay) stamped side clips & <u>one</u> wire holder</i>	9910186
12	1	3" DIN Rail	9910187
13	-		

<<IMPORTANT: Always "anchor" the Plug-In Relay with anchoring kit...relay WILL NOT stay affixed to Base if not ANCHORED. It will come Loose. >>



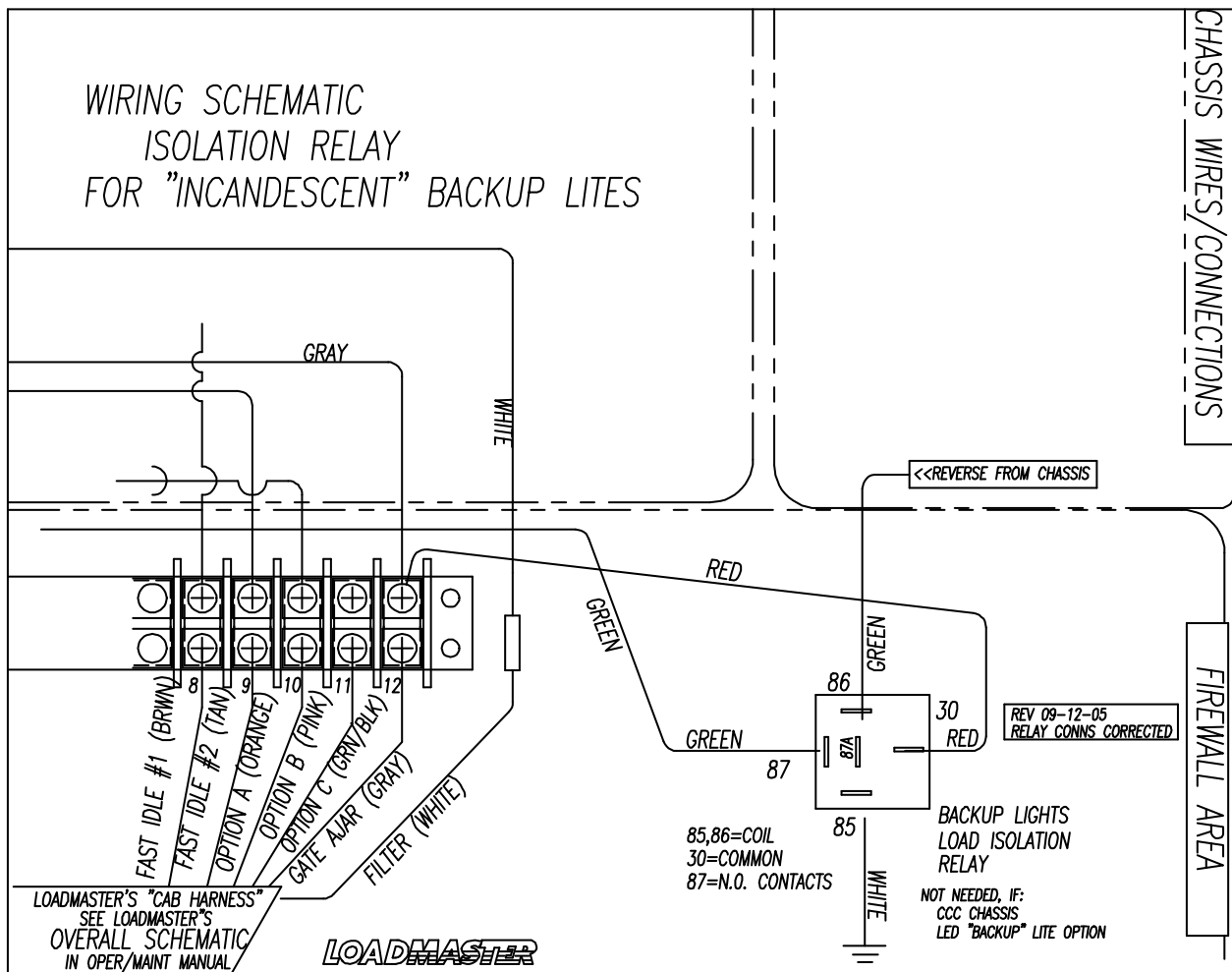
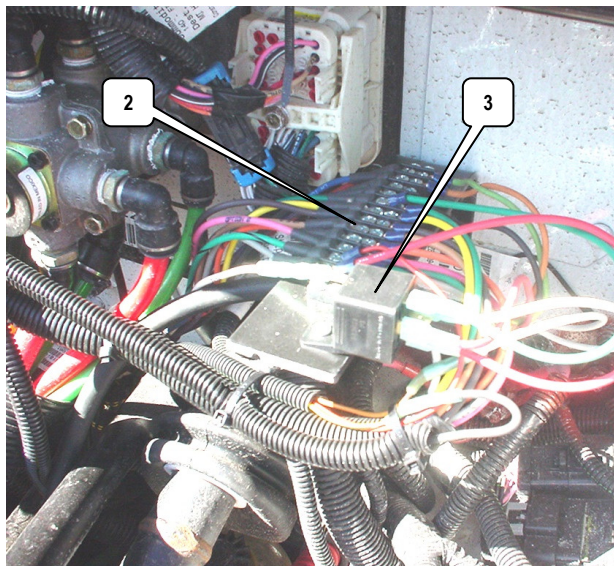
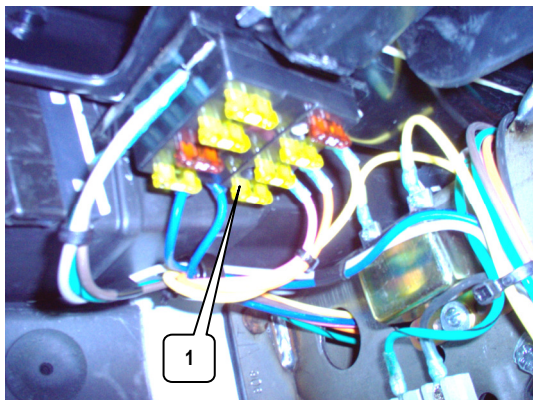
NOTE: the above LOADMASTER electrical "interface" the L/M Body To the particular Chassis....most of these stuffs tend to be located "Under Dash" on left side of Steering Wheel...BUT LOCATIONS WILL VARY WITH CHASSIS PARTICULARS...use these images to IDENTIFY the LOADMASTER Electrical stuffs when "troubleshooting" Electricals....If still can not "locate"...contact LOADMASTER 800-433-2768

Some Chassis do not *need* the above "interfacing" stuffs...most notably: The CCC LET's and "other" Chassis that have a Fender Mounted *Body-Builder's Junction Box*. Another "prime" example of the above stuffs not even existing on your unit...International's Factory 6-pack w/ Remote Power Module (aka=RPM) multi-plex "systems" do not require these stuffs.



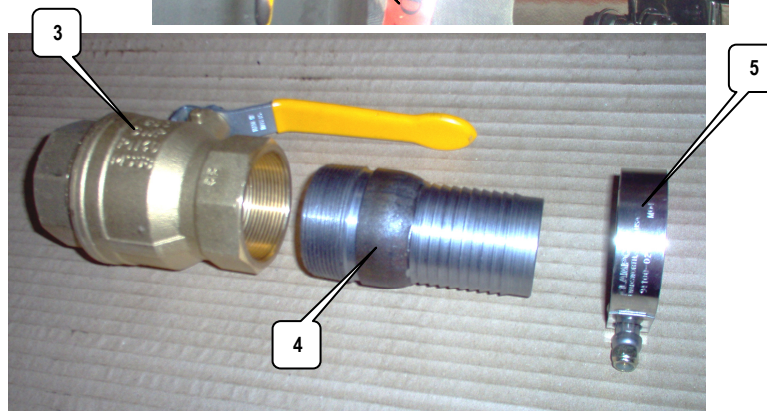
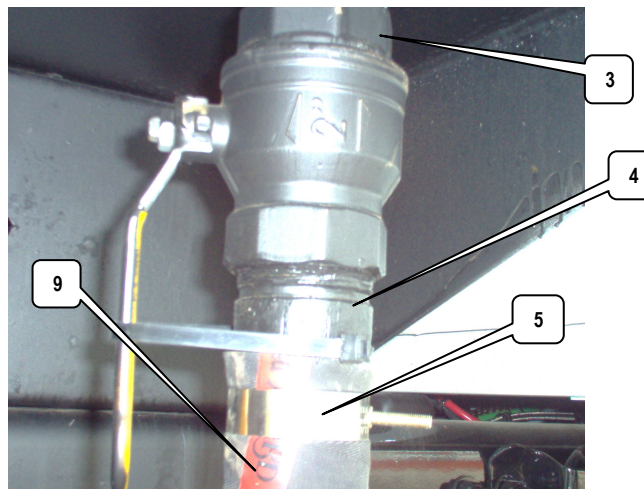
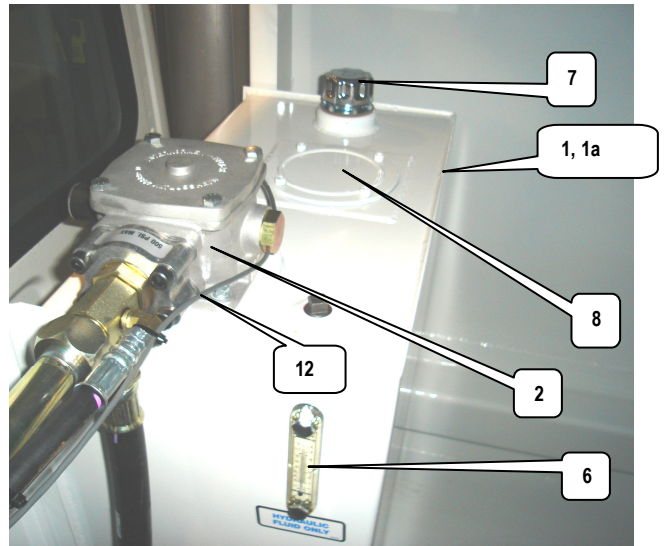
UNDER-DASH / FIREWALL ELECTRICALS

NO	Q	DESCRIPTION	PART NO
1	1	Slotted Fuse Block (8 Slots)	9910092
2	1	Firewall Terminal Strip – 12 position	9910043
3	1	Relay: Back-Up Lights "Isolation" Relay Used for "standard" Incandescent Back-Up lights << Isolates the Load from the Load-Finicky chassis brain>> Bosch "foot-mount" style	9910267



"STANDARD" IN-THE-BODY OIL TANK & SUCTION LINE

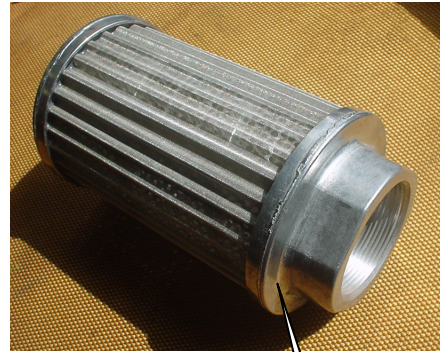
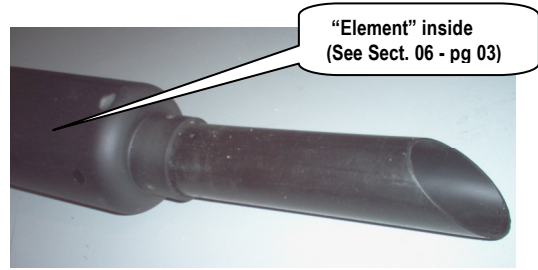
NO	Q	DESCRIPTION	PART NO
1	1	Oil Tank Weld assy - EXCEL (18, 20, & 25 yd)	0100304
1a	1	Oil Tank Weld assy - EXCEL (31 yd)	0100305
2	1	Return Oil Filter (aka> "tank top filter") <i>This p/n is complete tank top return filter assembly</i>	9931106
3	1	Full Port Ball Valve <i>2" NPTF; aka> suction shutoff</i>	9932003
4	1	2" NPTF x 2" hose Multi-barb Adapter	9933052
5	1	2 1/2" T-bolt band clamp	9931007
6	1	Oil Level Site Glass (KIT) <i>See Maint/Ser manual for "correct" Fill methods</i>	9931004
7	1	Filler/Breather Cap Kit <i>Includes hardware & mesh filtering basket</i>	9931032
8	1	Tank Cleanout Access Cover Kit <i>Includes the "big" o-ring</i>	9931005
9	1	2" Dia. Suction Hose <i>Order by the foot...varies per unit's configuration</i>	9934014
10	1	MAGNETIC Drain plug (not shown, at tank floor) 3/4" NPTF	9931006
11	-	Hydraulic Oil...L/M "standard" is "US OIL" AW46 Use a "Name Brand" AW46 for best oil "durability" <Contact L/M if interested in a "L/M approved" ECO-friendly Hydraulic Fluid> Overhaul your Hydraulic Fluid every Two Years (see Maint Manual for "other" times to replace the Fluid)	-----
12	-	Cable 20-2 <i>Filter Service CLOGGING SWITCH (Dash Light)</i> <i>Fastenal 10275-02726</i>	9910281



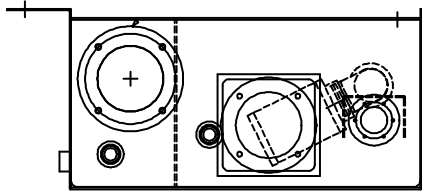
Use ONLY LOCTITE 545 to seal all
"PIPE" connections

OIL TANK and TANK FILTRATIONS

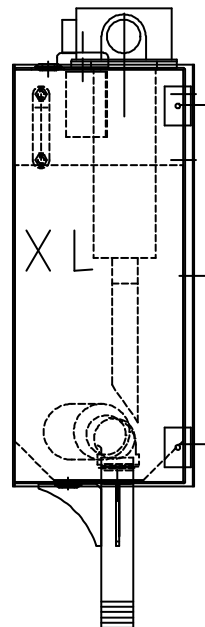
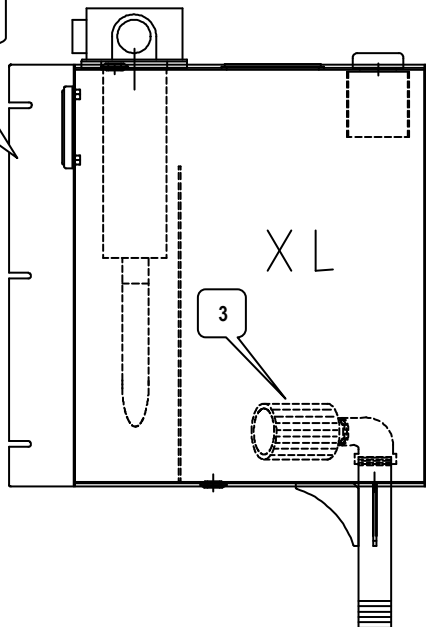
NO	Q	DESCRIPTION	PART NO
1	1	STANDARD EXCEL "In-Body" Tank 18, 20, 25 yd.	0100304
1a	1	Excel "in body" Tank 31 yd. ONLY	0100305
2	1	Return Oil Filter w/ 8800683 Element (EXCEL) <i>Monitoring & P/M'ing THIS is your KEY to best Hydraulic components life!</i> <i><< Premium 5micron MICROGLAS w/ Integral Bypass Check valve>></i>	9931106
3	1	Suction Line Filter (aka...Suction "screen") 2" NPT x 100 mesh <i>Accessible from Tank Top Cleanout cover.</i>	9931003



3

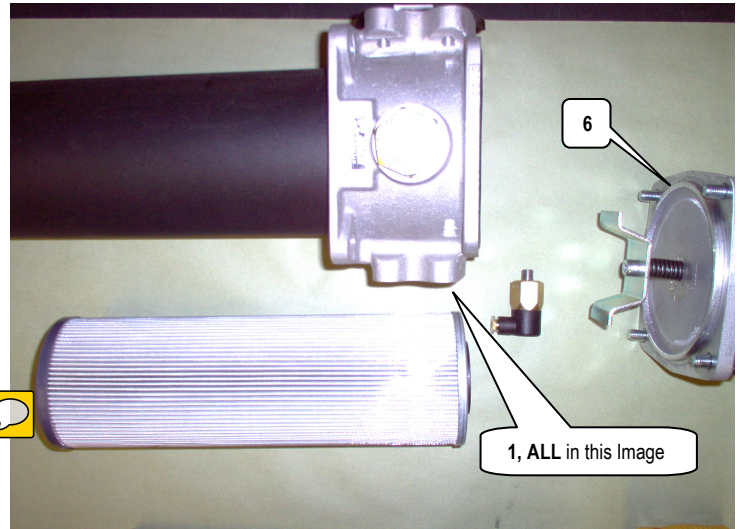


1, 1a; Internorman style tank

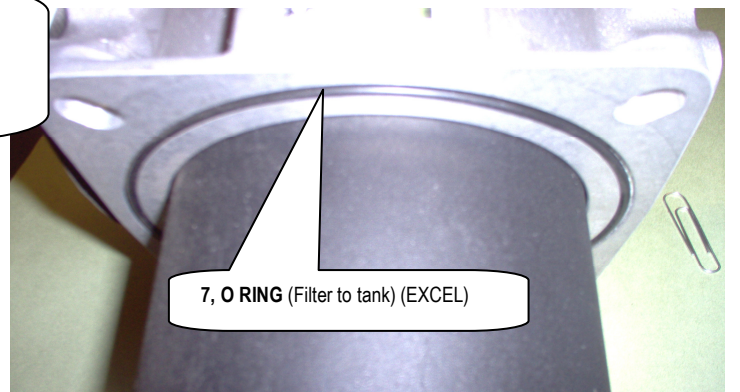
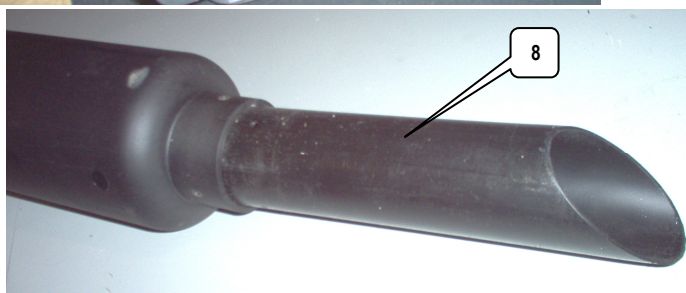
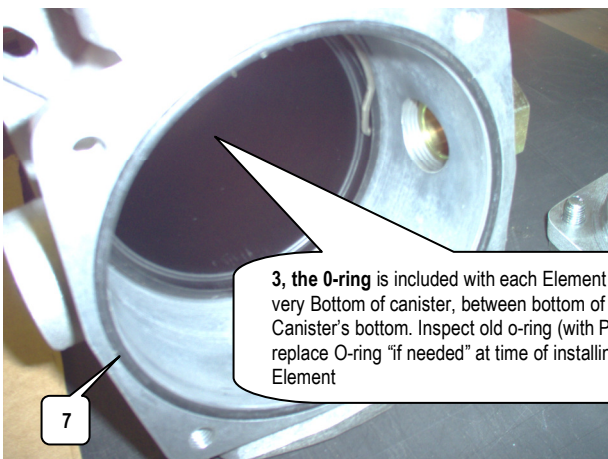
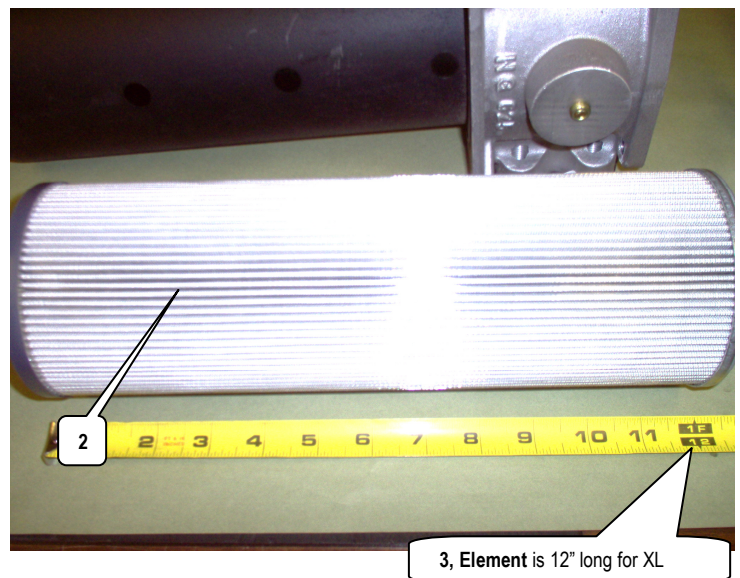
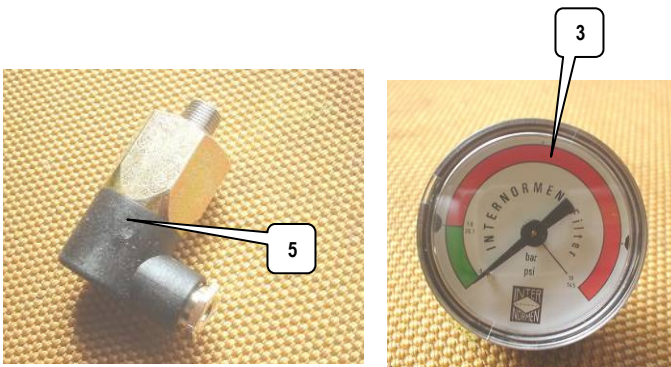


RETURN FILTER'S SERVICEABLE PARTS

NO	Q	DESCRIPTION	PART NO
1	1	Entire Filter Assy <i>Includes all shown in image to right (Filter Monitor Guage, Clog Indicator Switch, Element)</i>	9931106
2	1	Filter Element- Excel (only) <i>Your "key" service item...Maintain this for hydraulics "health"</i>	8800683
3	1	Filter Condition Monitor (visual) <i>Replace if damaged (important "Monitor")</i>	8800696
4	1	Monitor's Adapter Metric Elbow (not shown)	9933411
5	1	Clog Indicator Elect Switch <i>Wired to drive a Dash Panel Light</i>	8800697
6	1	O-ring <i>Seals betwxt Canister's upper shoulder & cast Head</i>	8800821
7	1	O-ring <i>Cap's seal & Betwxt Head and tank top boss</i>	8800805



FOR ACTUAL SERVICING OF THE FILTER SEE SEC06-PG04

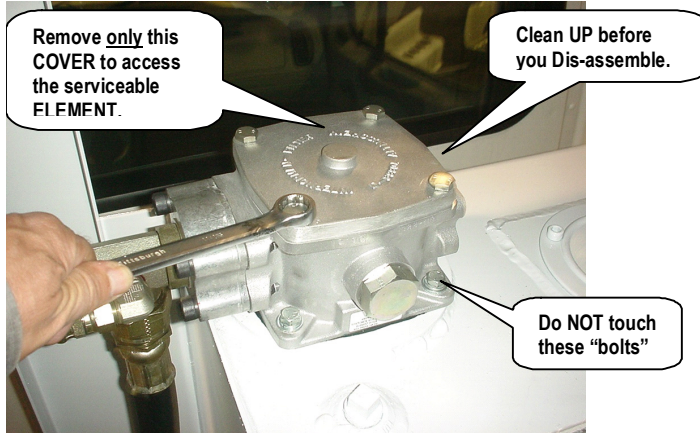


SERVICING THE RETURN FILTER ELEMENT (**EXCEL**)

The **Excel** "return filter" uses a premium quality Micro glass *element* of 5 Micron nominal. This element traps-out relatively small particulates and has a relatively high dirt holding *capacity*. Another "premium" feature of this **INTERNORMAN** (the "brand"... a German company) filter is that the Bypass valve is "integral" to the element itself. This means that each time you install a "fresh" element...you are simultaneously assuring a "fresh" filter *bypass valve*.

Read topic #1 in the manual's **P-M...HYDRAULIC SYSTEM** section for an "outline" of *when* you should service this return filter Element. The **Excel** (only), with the Internorman-brand of filter, uses Element p/n **8800683**.

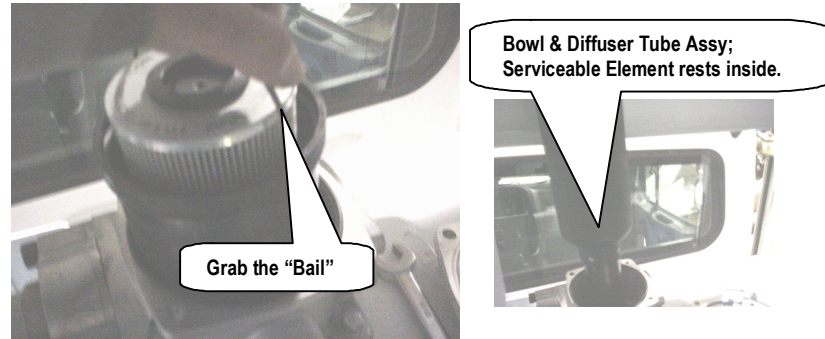
1-Begin by cleaning/wiping away any Tank Top dirt that may have accumulated near the Tank Top Filter's Cover (anchored by 4 cap screws....11/16" wrench size).



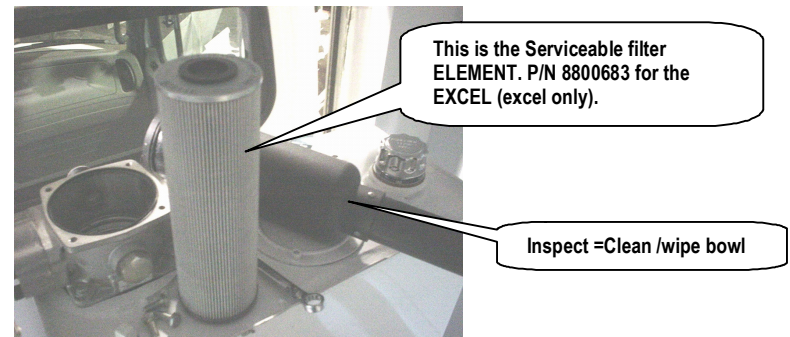
2- Remove the Filter's Top Cover by turning CCW. The Cover's compression spring will be "pushing"...so use your hand over the cover to "control" when nearly loose.



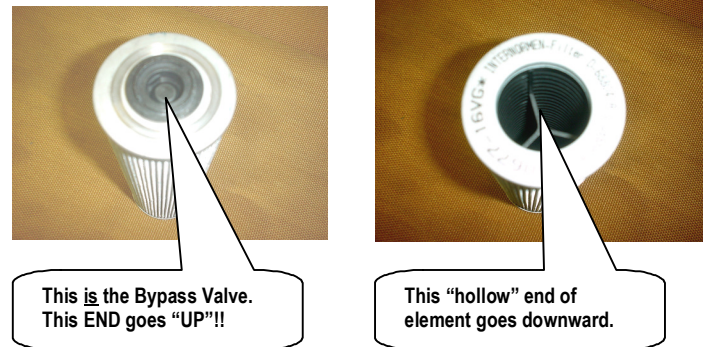
3- Grab onto the wire "bail" and slowly-lift out the entire assy. Keep centered to allow OIL to drain back into tank.



4- Now remove the "old" element. Put it into clean garbage bag so you can later "study" what has been trapped-out of the hydraulic system (can offer "clues" as to the hydraulic system's "health").

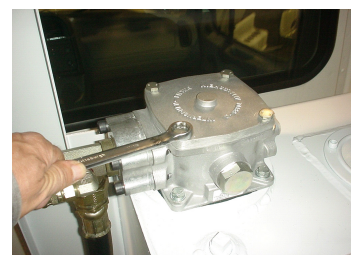


5- Insert fresh element into the Bowl...Seat firmly...this element has a "built-in" Bypass Valve. Assure the Bypass Valve is "UPWARD". Push "Bail" down.



6- Now re-install the filter housings COVER. Snug up with MEDIUM force. Snug two "diagonal" bolts...then tighten all Four.

Now would also be a good time to check your hydraulic oil "LEVEL". See Maint. Manual to do a correct "fill".



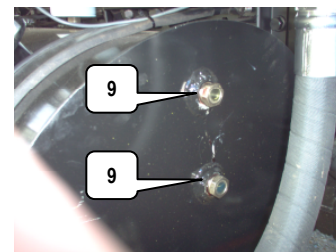
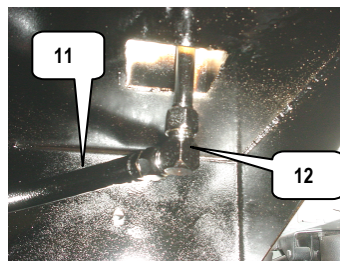
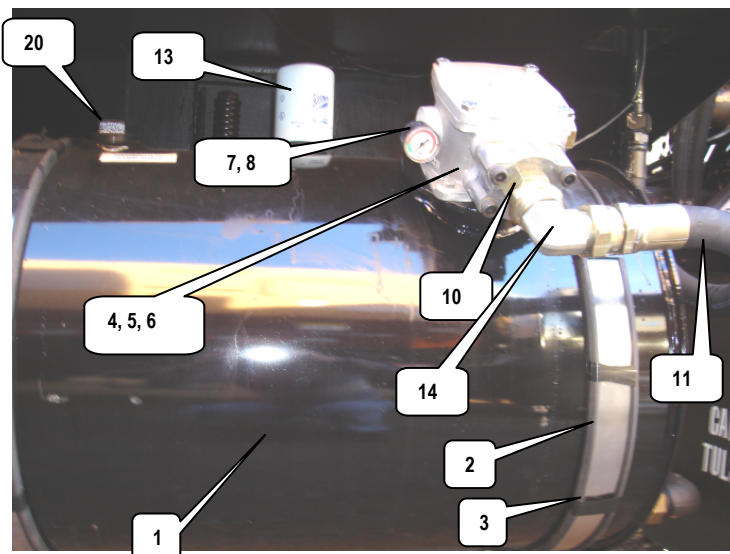
LOADMASTER

loadmaster@loadmaster.org
800-433-2768100 west eleventh avenue tel 906-563-9226 tel
po box 186 fax 906-563-9800 fax
Norway, Michigan 49870-0186

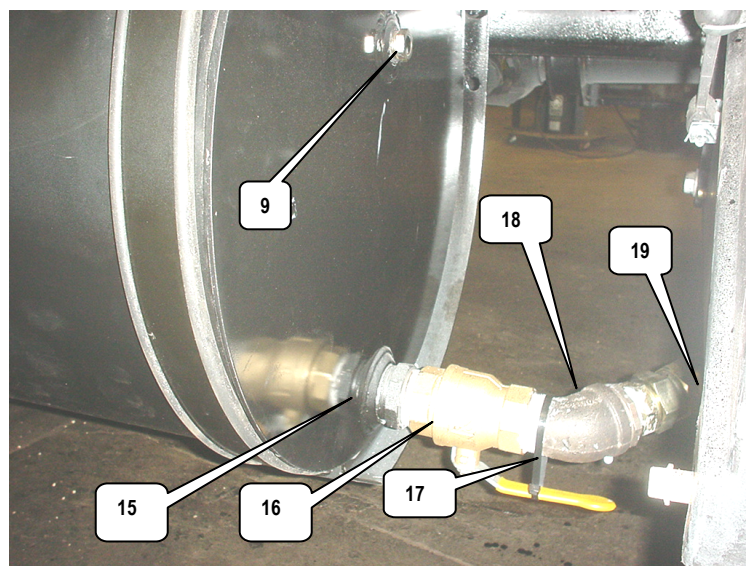
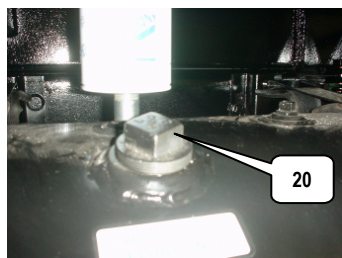
<<End>> AUG 05, 2005

70 GALLON ROUND FRAME-MOUNTED TANK-OPTIONAL

NO	Q	DESCRIPTION	PART NO
1	1	Tank Weldment (Only)	0120647
2	1	Tank Bracket Set <i>Includes a pair of straps & frame bolting brackets</i>	9960239
3	2	Rubber Isolator Extrusion <i>Need 2 pieces per installation</i>	9960241
4	1	Filter Assembly with housing et all <i>Entire filter assy includes the serviceable element, "Condition monitor" and monitor pressure switch</i>	9931106
5	1	Half -length Diffuser Tube (5 1/4" Long) (not seen) <i>For FILTER Parts See Section 6 Pages 2 & 3</i>	8800695
6	-	Serviceable Element only for Item#4 <i>5 micron Microglas premium element Each element has "integral" by-pass valve</i>	8800683
7	1	Filter's Condition Monitor gauge only	8800696
8	1	Filter's in-cab light's Pressure Switch only	8800697
9	2	HI & Lo level indicating Cat Eyes <i>See Oper/Maint manual for correct level checking procedure...</i>	9931103
10	1	Split Flange Adapter...#20 ORB Female	9933408
11	1	Return Hose Assy 1 1/4" diameter... (Will be 2" STD.) <i>Length will vary with location of tank itself</i>	
12	1	Adapter 90 degree...#16 MJIC x #16 JIC FMS	9933055
13	1	Spin on Breather <i>Includes its straight adapter</i>	9931008
14	1	90 degree Elbow (#20 ORB X #20 JIC	9933041

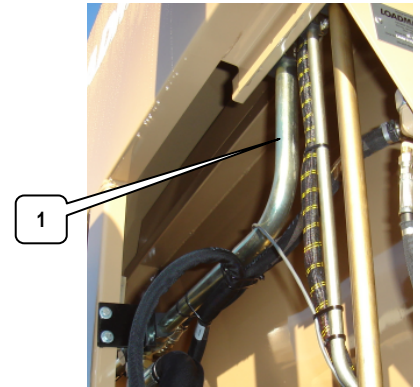
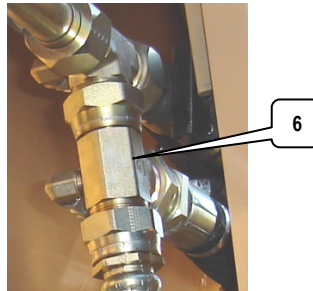
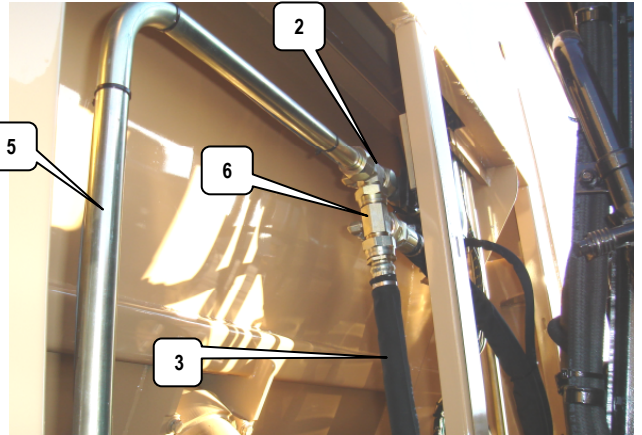
**70 GALLON ROUND FRAME TANK'S SUCTION**

NO	Q	DESCRIPTION	PART NO
15	1	Suction strainer	9931102
16	1	Full Port Ball Valve 2" NPT (aka, gate valve) <i>All Loadmaster frame tanks get 2" suction line valve if it has a "gear" pump (but all loadmaster piston pumps, if equipped, use a 2" suction line...including the lcy3)</i>	9932003
17	1	Anti-tamper Tye Wrap <i>(Cut it off when you need to close "gate valve")</i>	Ordinary
18	1	45 degree street EL black pipe 2"sch 40. <i>Shown is typical...but will vary</i>	Ordinary
19	1	Suction hose...goes to pump suction port <i>Length varies per chassis, pump style, etc If EXCEL has "gear pump" or "piston pump"... It will be a (2" Dia. Suction Hose)</i>	varies
20	1	2" Pipe Plug (for tank Fill Hole)	9933116



70 GALLON ROUND FRAME TANK OPTION

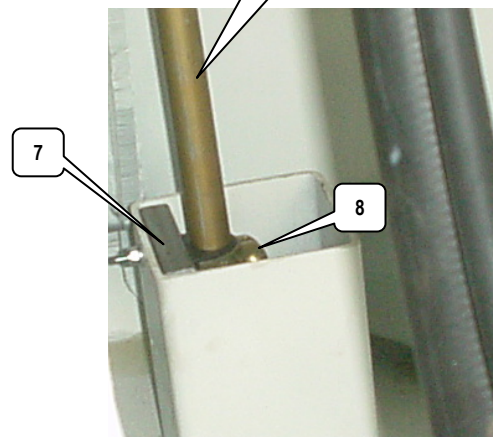
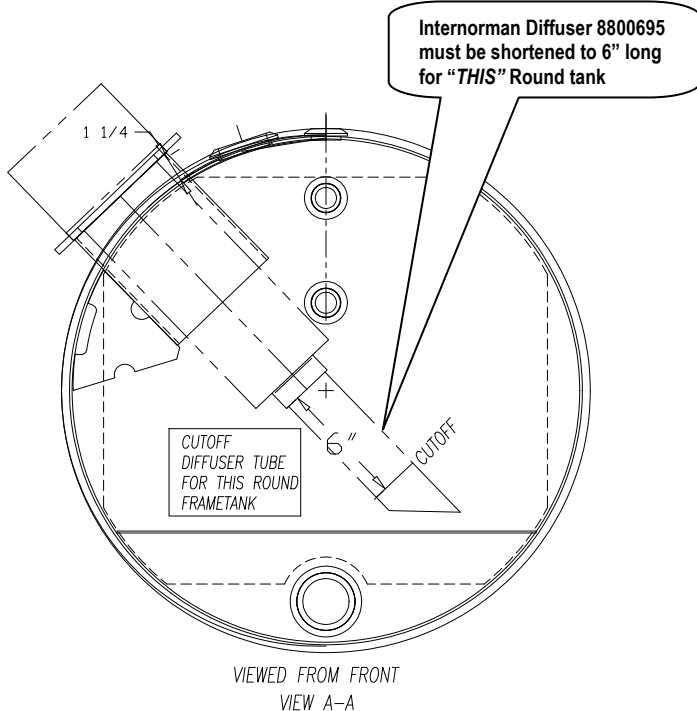
NO	Q	DESCRIPTION	PART NO
1	1	Return Filter Tube Assy.	9930175
2	1	Tee...#16 all male <i>Drilled and tapped to 1/4" NPT when necessary</i>	9930014
3	1	Hose Assy <i>Coming from Body-Mounted Valves Inlet cover "Tank" port</i>	custom fit to truck
4	1	Hose Assy <i>Coming from Logic Selector Valve's(if equipped) housing drain to tanks buckeye</i>	custom fit to truck
5	1	Steel Tube Assy	9930237
6	1	Tee #16 jic FS-16 M Jic - 16 Jic M <i>Drilled and tapped to 1/4" NPT when necessary</i>	9933378



FRAME TANK

NO	Q	DESCRIPTION	PART NO
7	1	Hydra zorb clamp track...3" long	2600090
8	1	Hydra zorb clamp...1"	9960050

See #5 above images



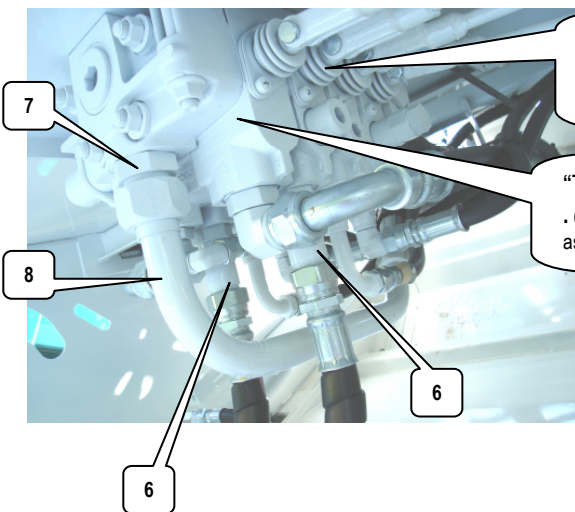
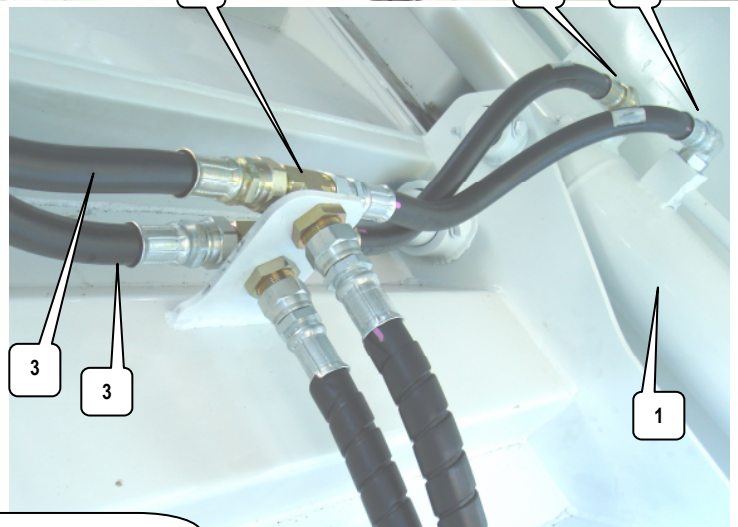
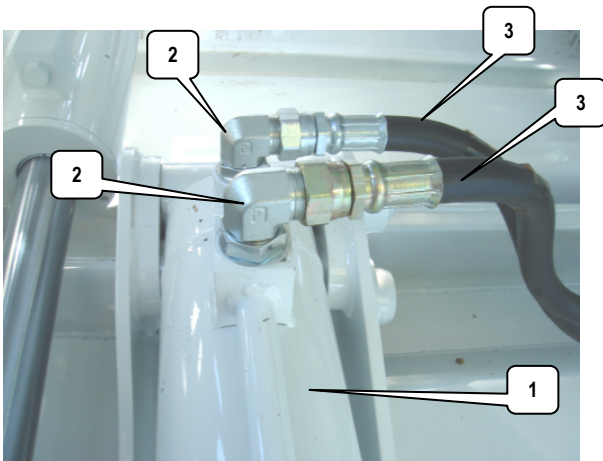
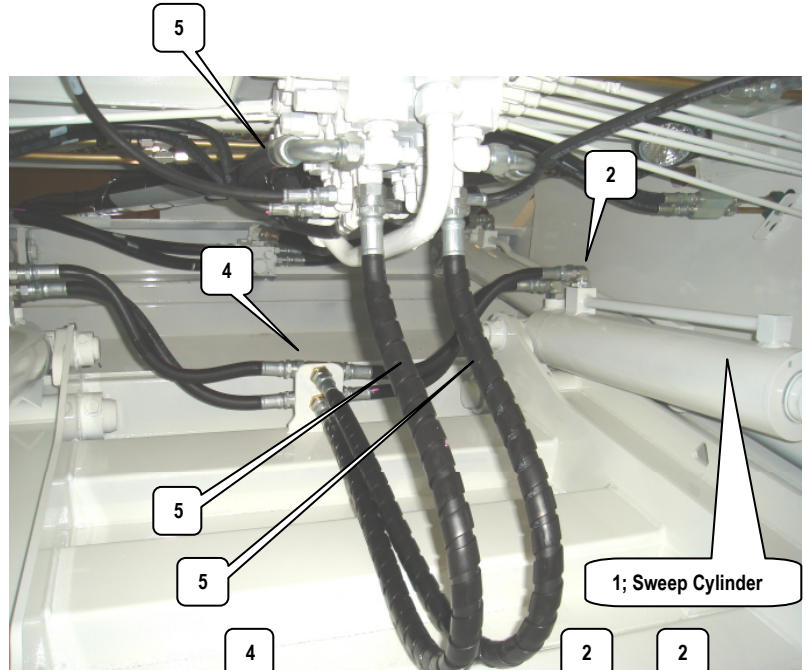
PLUMBINGS ... SWEEP CYLINDERS

NO	Q	DESCRIPTION	PART NO
1	2	Sweep Cylinder (XL)	9937075
2	4	90 Degr Adapter-#16orb x #16 jic	9933039
3	4	Hose Assy- 3/4" x 26" lg	9934170
4	2	TEE-Bulkhead style...#16 JIC	9933387
5	2	Hose Assy- 3/4" x 58" lg	9934171
6	2	Straight Adapter-LONG #16orb x #16jic	9933385

PLUMBINGS for IN/OUT OF "TAILGATE-MOUNTED" VALVE

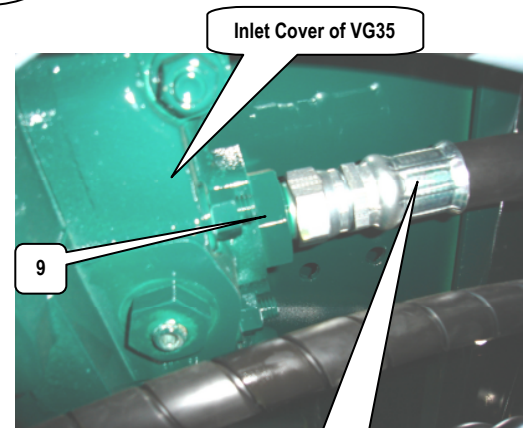
7	1	Straight Adapter- #20 orb x #20 jic	9933028
8	1	Hydrau Tube Assy- main tank/outlet	9930256
9	1	Straight Adapter- #20 orb x #16 jic	9933027
11	-	-	-

<See Sec 09 for Schematics...OverAll & Narrow'd Focus Schematics>



This is the **SWEEP WORKSECTION**...the "2nd UP" section. The section that does NOT have the limit switch

"Tailgate-Mounted" Valve 9932078
(Complete 2-spool VG35 valve assembly only)

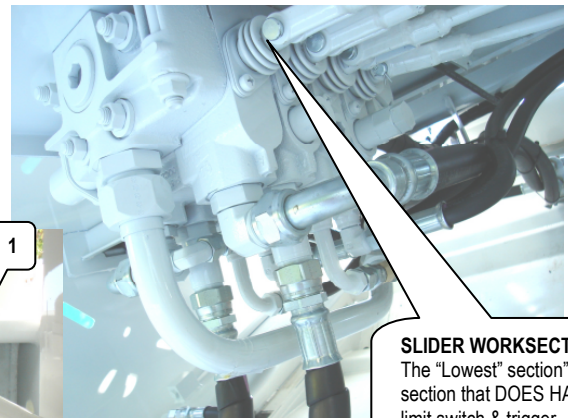
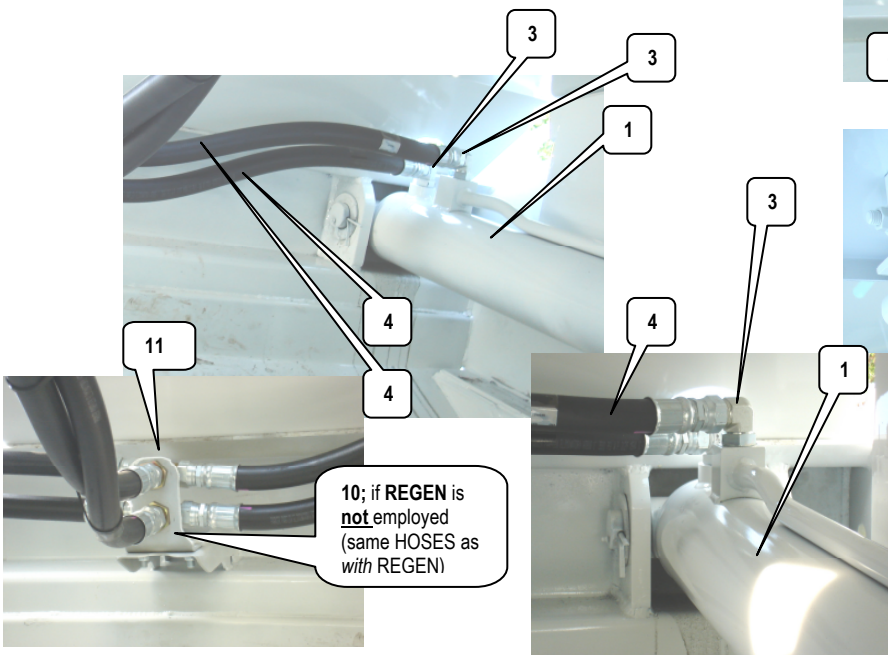
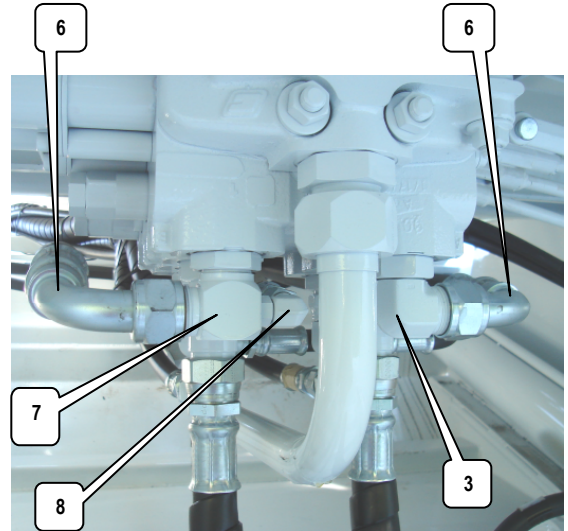
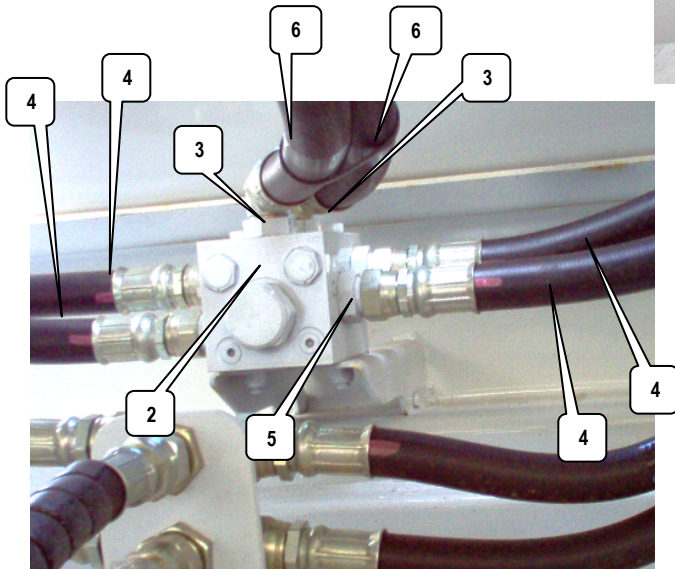
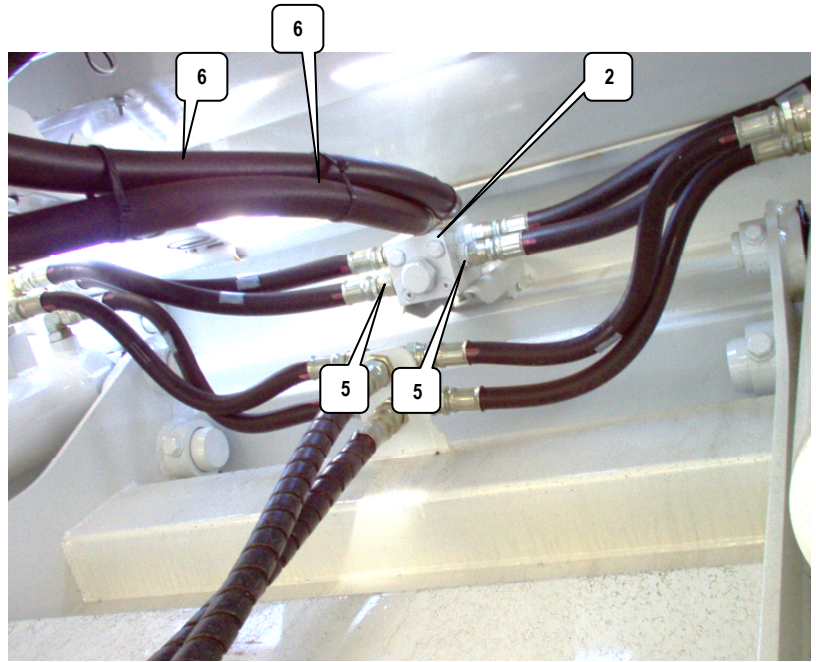


Inlet Cover of VG35

Pump Pressure
"IN" Hose Assy

PLUMBINGS ... SLIDER CYLINDERS... with REGEN Option)

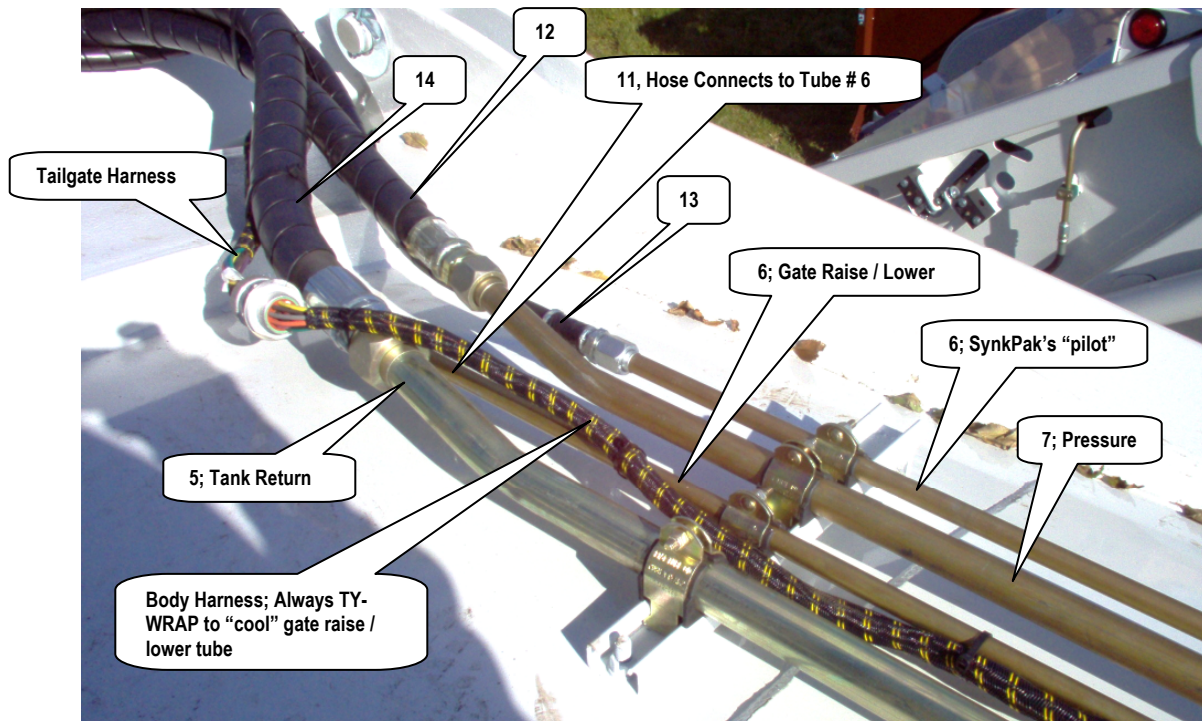
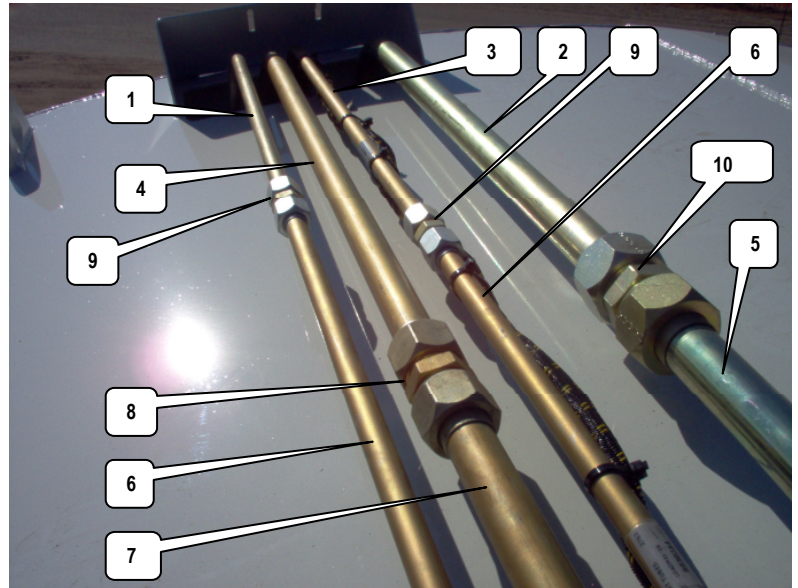
NO	Q	DESCRIPTION	PART NO
1	2	Hydraulic Cylinder- Slider XL	9937074
2	1	Regeneration Valve (entire valve only)	9932094
		<i>Entire regen valve (only)...see also Sec09)</i>	
3	7	90 Degr Adapter- #16orb x #16 orb	9933039
4	4	Hose Assy- 1" x 31 1/2" lg	9934157
5	4	Straight Adapter- #16orb x #16 jic	9933026
6	2	Hose Assy- 1" x 64" lg	9934129
		<i>Tubular 90 jic#16 hose-end at the "gate-mtd." valve</i>	
7	1	90 Degr Adapter (with #6 orb tapout)	9933396
		<i>#6 for The Synpak's "PACK" pilot pressure hose</i>	
8	1	90 Degr Adapter- #6orb x # 8 jic (Synpak pilot)	9933269
9	1	90 Degr Adapter #16orb x #16 jic (with #6orb tapout)	9933396
<i>If no REGEN...same hoses, but items #10 & #11 in lieu of regen</i>			
10	1	Bracket- bulkhead tees anchor	0031458
11	2	TEE-bulkhead style- #16jic	9933387



SLIDER WORKSECTION;
The "Lowest" section"; the section that DOES HAVE the limit switch & trigger

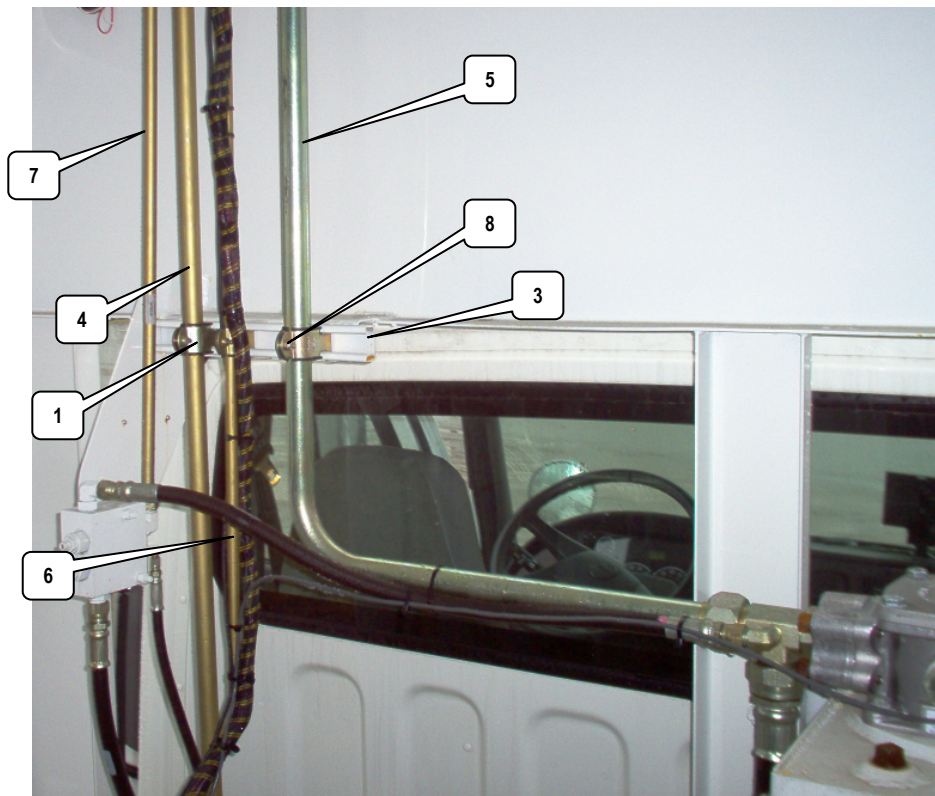
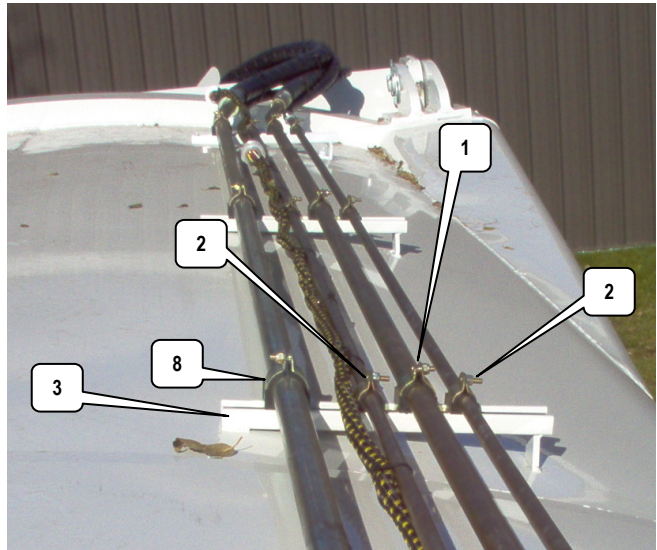
PLUMBINGS... at BODY'S ROOF

NO	Q	DESCRIPTION	PART NO
1	1	Hydraulic Tube Assy- SynkPak valve to roof tube	9930119
2	1	Hydraulic Tube Assy- Filter to roof 1 1/4" dia.	9930175
3	1	Hydraulic Tube Assy- Valve to roof 5/8" dia.	9930171
4	1	Hydraulic Tube Assy- Valve to roof 1" dia.	9930169
5	1	Hydraulic Roof Tube Assy- 1 1/4" dia.	18 yd 9930209
	1	Hydraulic Roof Tube Assy- 1 1/4" dia	20 yd 9930177
	1	Hydraulic Roof Tube Assy- 1 1/4" dia	25 yd 9930174
	1	Hydraulic Roof Tube Assy- 1 1/4" dia	31 yd 9930212
6	2	Hydraulic Roof Tube Assy- 5/8" dia	18 yd 9930211
	2	Hydraulic Roof Tube Assy- 5/8" dia	20 yd 9930179
	2	Hydraulic Roof Tube Assy- 5/8" dia	25 yd 9930137
	2	Hydraulic Roof Tube Assy- 5/8" dia	31 yd 9930214
		<i>(Will be 1 req if Turn-Buckle (std); 2 req if Opt AutoLok)</i>	
7	1	Hydraulic Roof Tube Assy- 1" dia.	18 yd 9930210
	1	Hydraulic Roof Tube Assy- 1" dia.	20 yd 9930178
	1	Hydraulic Roof Tube Assy- 1" dia.	25 yd 9930136
	1	Hydraulic Roof Tube Assy- 1" dia.	31 yd 9930213
8	2	Union Fitting #16 JIC	9933005
9	1	Union Fitting #10 JIC	9933003
10	1	Union Fitting #20 JIC	9933006
11	-	Hose Assy- 1/2" x 100" OAL wrapped Gate raise... #10JIC FMS x #10 male fixed	9934128
12	2	Hose Assy- 1" x 101" OAL 4-wire wrapped #16 JIC FS x #16JIC male fixed	9934127
13	1	Hose Assy- 1/2" dia. X 120" overall length wrapped SynkPak hose... runs to Pack workport on Driver's side (#10JICM x #8JICFS)	9934138
14	1	Hose Assy- 1 1/4" x 104" OAL wrapped Main return; from tailgate mtd. Valve's outlet #20JICFS x #20 JICM	9934126



PLUMBING... at Body's Face & Roof

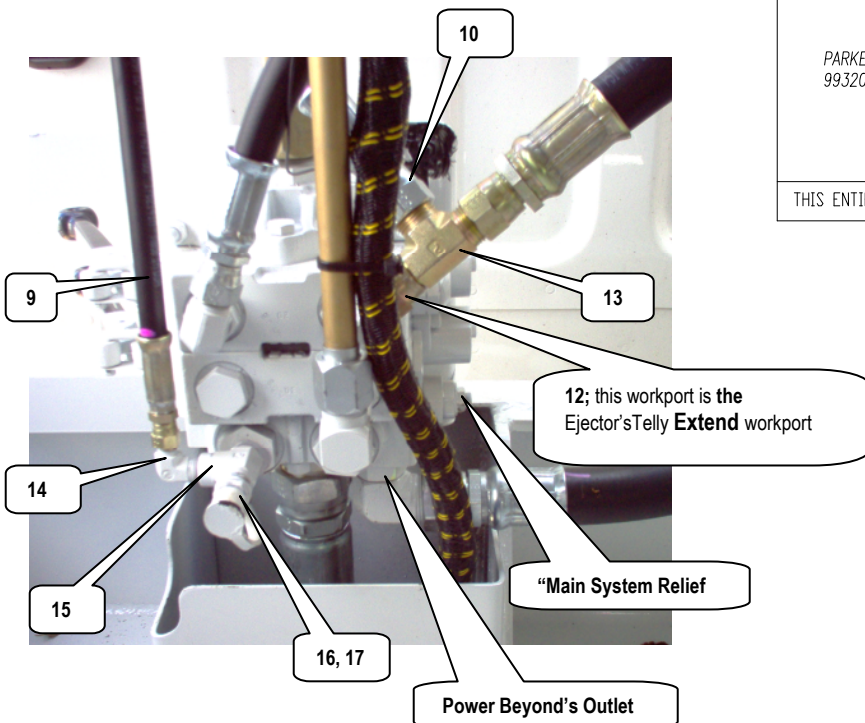
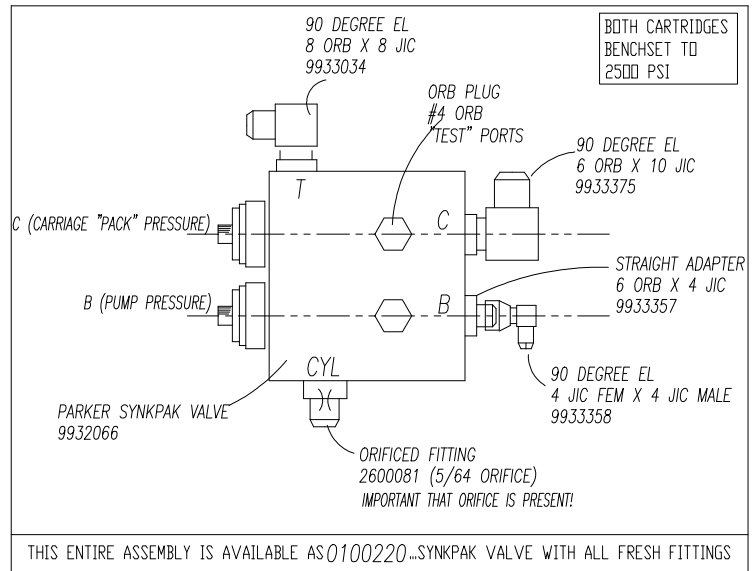
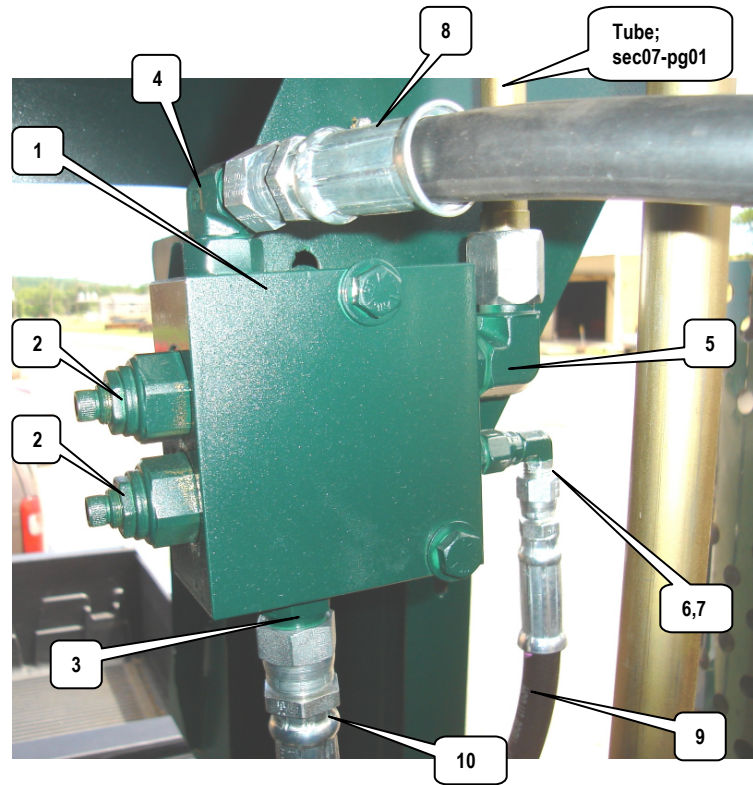
NO	Q	DESCRIPTION	PART NO
1	6	1" size Tube Clamp-Hydra Zorb style <i>One "clamp" is all the parts for one clamp</i>	9960050
2	6	5/8" size Tube Clamp-Hydra Zorb	9960049
3	3	Hydra Zorb clamp's Rail (13" long)	2600010
4	1	Hydraulic Tube Assy- 1" OD return <i>Runs from Valve to roof tube</i>	9930169
5	1	Hydraulic Tube Assy- 1 1/4" OD pressure feed <i>Runs from filter to roof tube</i>	9930175
6	1	Hydraulic Tube Assy- .625" dia. <i>Runs from Valve to roof tube</i>	9930171
7	1	Hydraulic Tube Assy- .625" dia. <i>Synkpak Valve to roof tube</i>	9930119
8	6	1 1/4" size Tube Clamp-Hydra Zorb style	9960052



PLUMBINGS... at SynkPak and "Body-Mounted" Valve

NO	Q	DESCRIPTION	PART NO
1	1	"SynkPak" Valve (set to 2500/2500 @ factory) <i>Aka...Ejector's Resisting AutoDrift controller</i>	9932066
2	2	Cartridge (cartridge only) Set to 2500PSI @ factory; See also Sec08-pg02	8800688
3	1	Orifice'd Adapter (@ SynkPak's CYL port) 5/64" orifice Loctite'd into strt adapter	2600081
4	1	90 Degr Adapter- #8orb x #8jic At SynkPak's T port (to Tank)	9933034
5	1	90 Degr Adapter- #6orb x #10jic At SynkPak's C port (from "Pack=Slider "up")	9933375
6	1	Straight Adapter- #6orb x #4jic	9933357
7	1	90 Degr Adapter- #4jic fem-swiv x #4jic male #6+#7...At SynkPak's B port (Pump's pressure)	9933358
8	1	Hose Assy- 1/2" x 43" lg From SynkPak's T port to tank's TEE	9934130
9	1	Hose Assy- 1/4" x 33" lg From SynkPak's B port to inlet cover (pump press)	9934137
10	1	Hose Assy- 1/2" x 28" lg From SynkPak's CYL (orifice) to telescopic EXTEND workport	9934099
11	1	90 Degr Adapter- 3/8npt x #8 jic	9933080
12	1	90 Degr Adapter- #10 orb x #10jic	9933036
13	1	TEE- #10 jic fem swiv (run) x #10 males Tee is located at telle EXTEND work port	9933286
14	1	90 Degr Adpater- 1/4" npt x #4 jic	9933069
15	1	TEE- 1/4" npt "run" tee	9933309
16	1	Guage Nipple (aka..."test" nip)	9933307
17	1	Nipple's protective plastic cover Note: item's 14>17 are at Inlet Cover's Pump Pressure	9933386

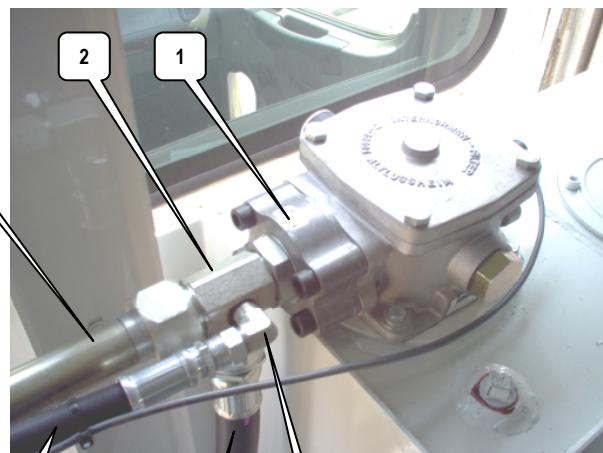
<Always use Loctite 545 on all Pipe Thread connections.>



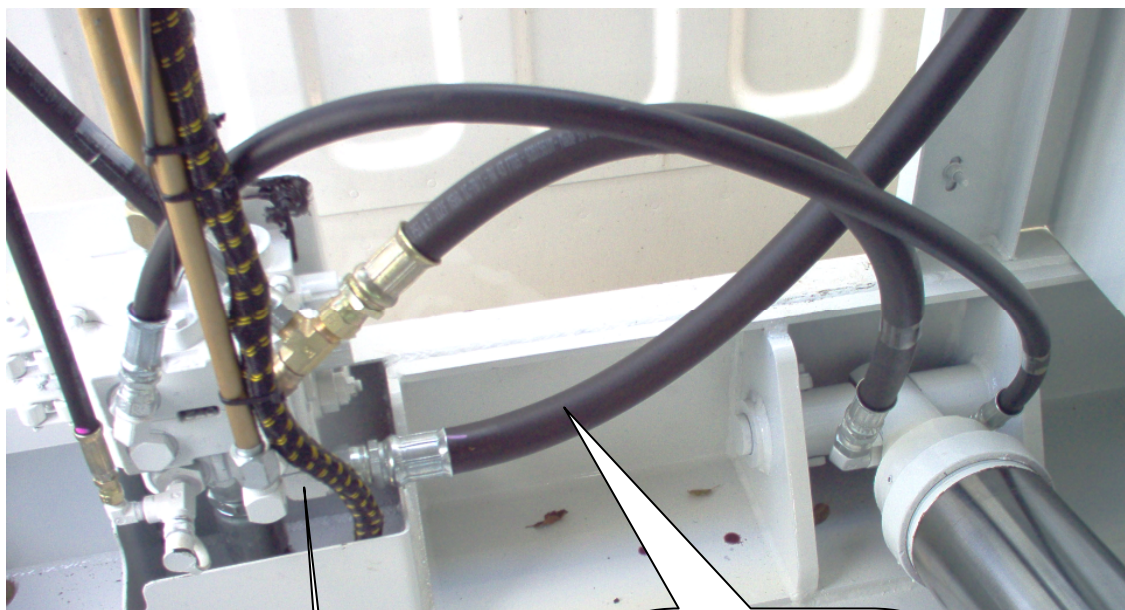
PLUMBINGS... at "TANK-TOP" RETURN FILTER

NO	Q	DESCRIPTION	PART NO
1	1	Flange Adapter (Internorman)	9933408
2	1	Tee- #20orb x #20jic (includes 3/8" npt tapout)	2600072
3	1	Hose Assy - 1" x 48" lg <i>From Inlet's Aux tank port to tank TEE</i>	9934132
4	1	Hose Assy - 1/2" x 43" lg <i>From SynckPak's T port to tank's TEE</i>	9934130
5	1	90 Degree Adapter - 3/8" npt x #8 jic	9933080
6	1	90 Degr Adapter- #12orb x #16jic	9934227
7	1	Hydraulic Tube Assy. - 1 1/4" OD Pressure Tube <i>Runs from Filter to Roof Tube</i>	9930175

< Always use Loctite **545** on all Pipe Thread connections>



4; SynckPak's tank hose

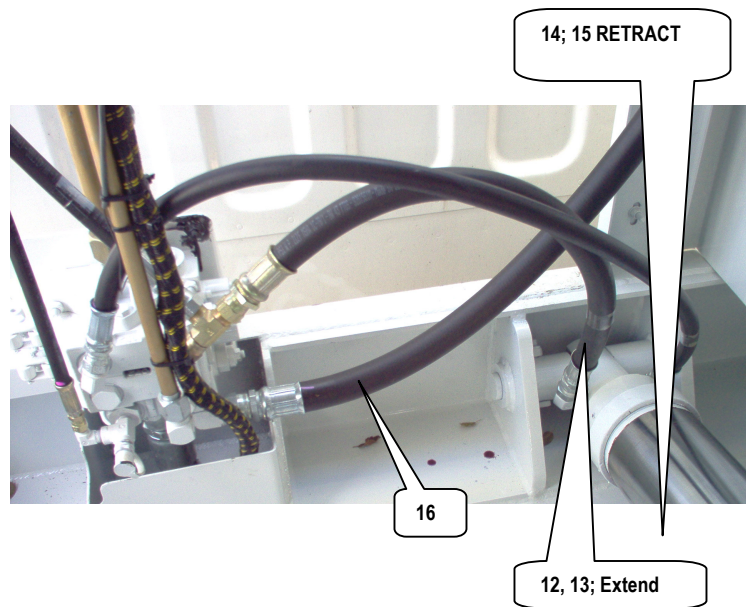
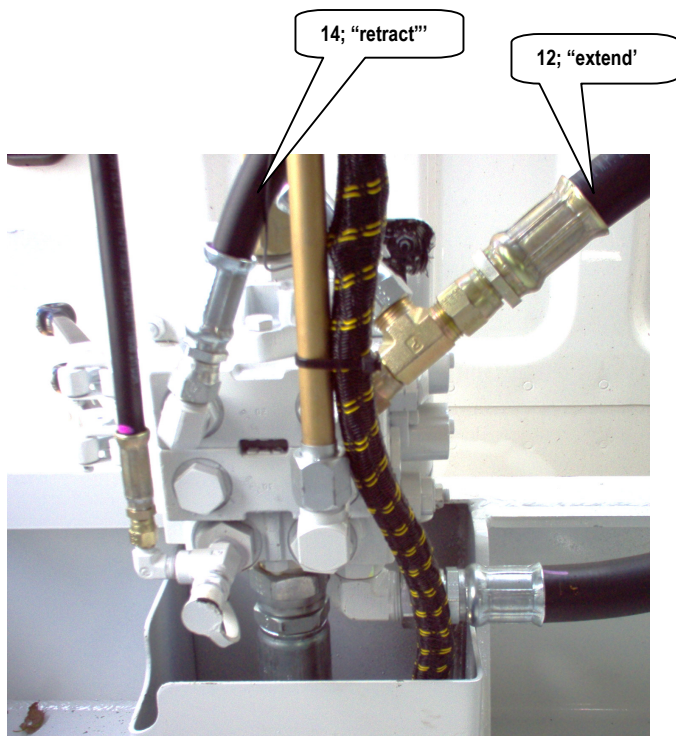
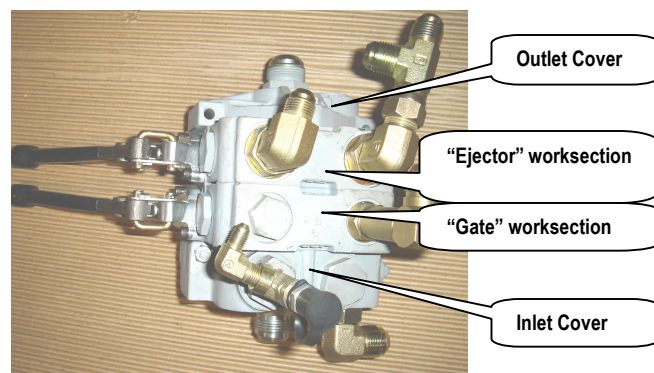
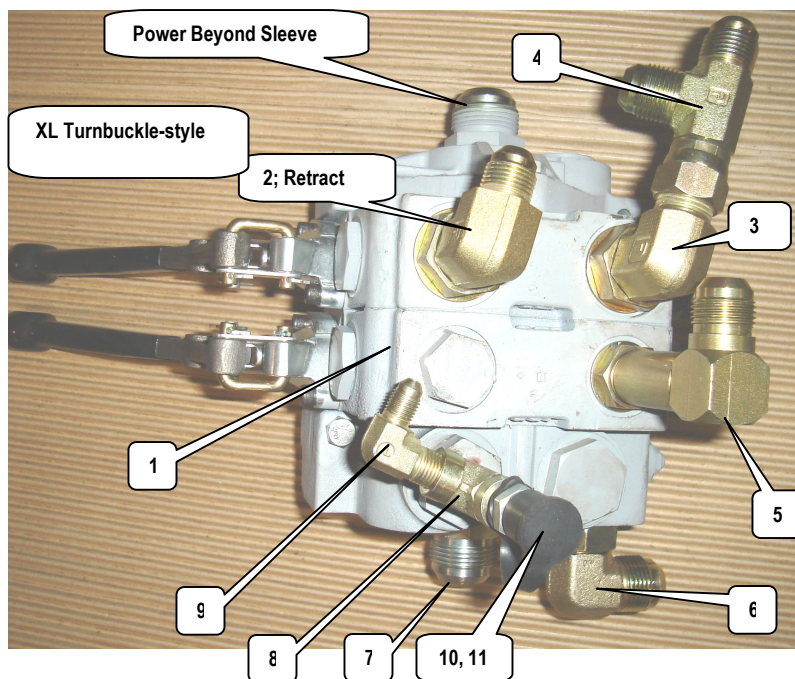


3; from PB AUX "out" port of
"Body-Mounted Valve"

6

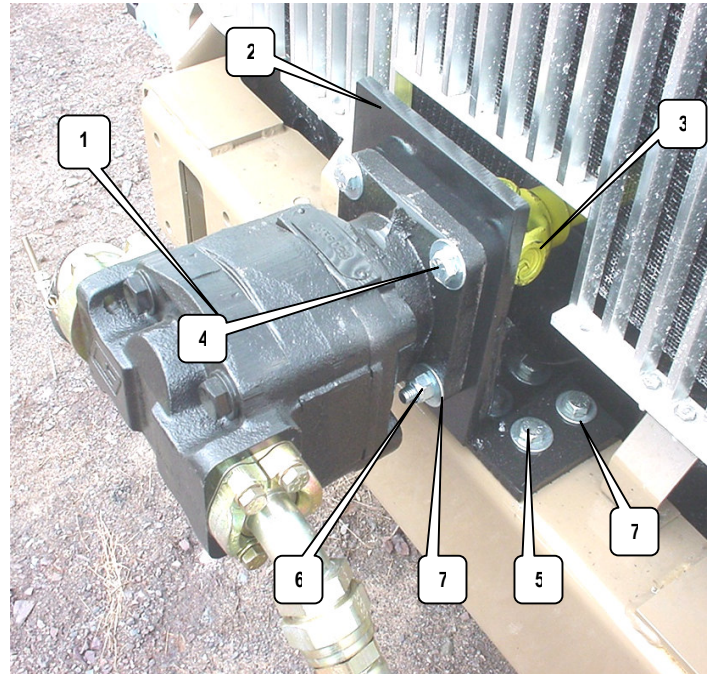
PLUMBINGS at "BODY-MOUNTED" VALVE & TELESCOPIC CYL

NO	Q	DESCRIPTION	PART NO
1	1	"Body-Mounted" Valve (complete valve only) <i>Turnbuckle style; config'd to L-M XL spec (Parker/Gresen V20...2 spooled worksections)</i>	9932055
2	-	---	--
3	2	90 Degr Adapter- #10 orb x #10 jic <i>Retract AND Extend (jun '09)</i>	9933036
4	1	TEE- #10 jic fem swiv x #10 jic males <i>These are at Telly's Extend Workport</i>	9933286
5	1	90 Degr Adapter-HIGH #10orb x #10jic <i>Gate's raise/lower workport; "turnbuckles" Are gate "gravity down"...thus <u>3-way</u> section)</i>	9933284
6	1	90 Degr Adapter- #12 orb x #16 jic <i>AUXillary TankPort of "Inlet Cover" (PB need)</i>	9933247
7	1	Straight Adapter- #12 orb x #16 jic <i>At Main "IN" port (pump pressure)</i>	9933306
8	1	TEE- 1/4npt service	9933309
9	1	90 Degr Adapter- 1/4" npt x #4 jic	9933069
10	1	Guage Stem- 1/4" npt (pump-pressure test-port)	9933307
11	1	Protective Plastic for Stem <i>See Sec08-Pgs01>04 for "Body-Mounted" Valve's "parts"</i>	9933386
12	1	Hose Assy- 3/4" x 30" lg (telly extend)	9934131
13	1	90 Degr Adapter- #12 orb x #12 jic	9933038
14	1	Hose Assy- 3/4" x 43" lg (retract... June '09)	9934295
15	1	90 Degr Adapter- #8 orb x #10 jic (ret... June '09)	9933035
16	1	Hose Assy- 1" x 48" OAL (body valve to filter) #20 jic x #16 fms <i><Use only Loctite 545 on "pipe thread" connections></i>	9934132



FRONT PUMP & MOUNTINGS

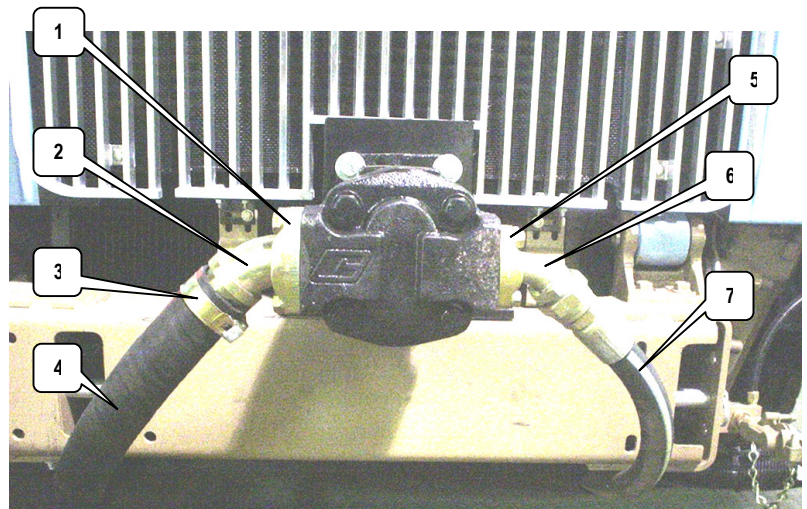
NO	Q	DESCRIPTION	PART NO
1	1	Gear Pump P365 Anti-CW <i>Excel's standard Front Pump</i>	9935028
2	1	Pump Mount Weld Assy-Autocar style shown <i>Contact LOADMASTER...varies per Chassis</i>	Fit to Chassis
3	1	1350 Spicer pump Prop Shaft assy <i>Universal pump shaft kit...cut to Length & "phased"</i>	9960250
4	4	½ UNC x 2 ½" lg Hex Head Cap screw	9950701
5	4	½" x 2" lg Hex Head Cap Screw	9950705
6	8	½ UNC Hex Lock Nut	9950029
7	8	½" SAE Flat Washer	9950105

**FRONT PUMP- SUCTION & PRESSURE CONNECTIONS**

NO	Q	DESCRIPTION	PART NO
1	1	#32 Flange halves KIT (code 61) <i>Includes hardware & o-ring</i>	9931021
2	1	45 degree fitting #32 flange x 2" hose	9931026
-		90 degree fitting #32 flange x 2" hose	9931027
3	2	2 ½" T- bolt clamp	9931007
4	1	2-Inch Suction Hose <i>Bulk hose...cut to length 150 psi WP</i> <i><Thermoid HRD: type 924 petroleum transfer hose></i>	9934014
5	1	#20 Flange Halves kit (code 61) <i>Includes Hardware & o-ring</i>	9931019
6	1	45 degree fitting #20 flange x #20 JIC KIT	9931023
-		90 degree fitting #20 flange x #20 JIC KIT	9931024
7	1	1 ¼" ID Pressure Hose (3500psi MIN Work Pressure)----- <i>#16JIC FMS x #20 JIC FMS x???" long (length varies)</i>	

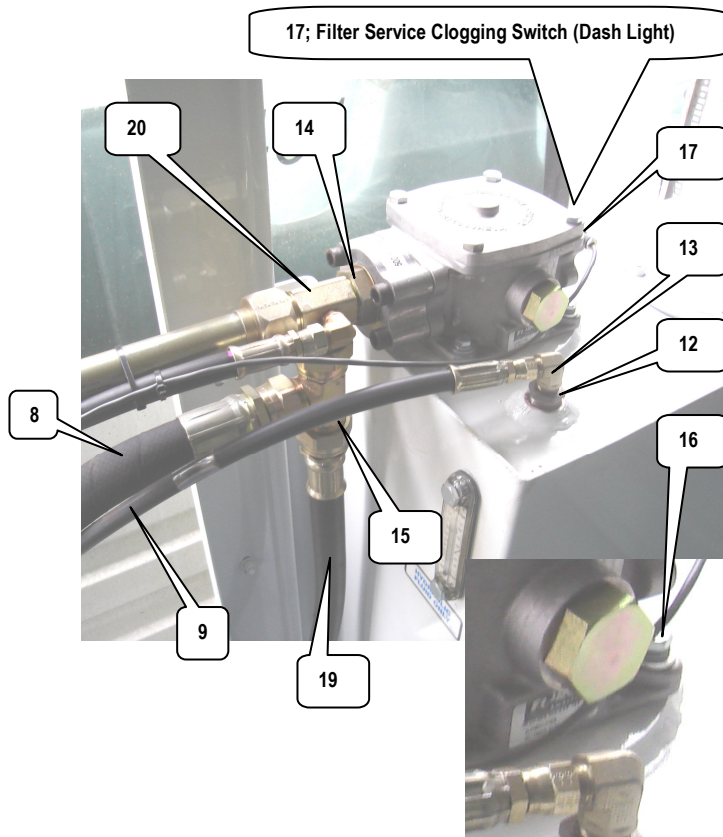
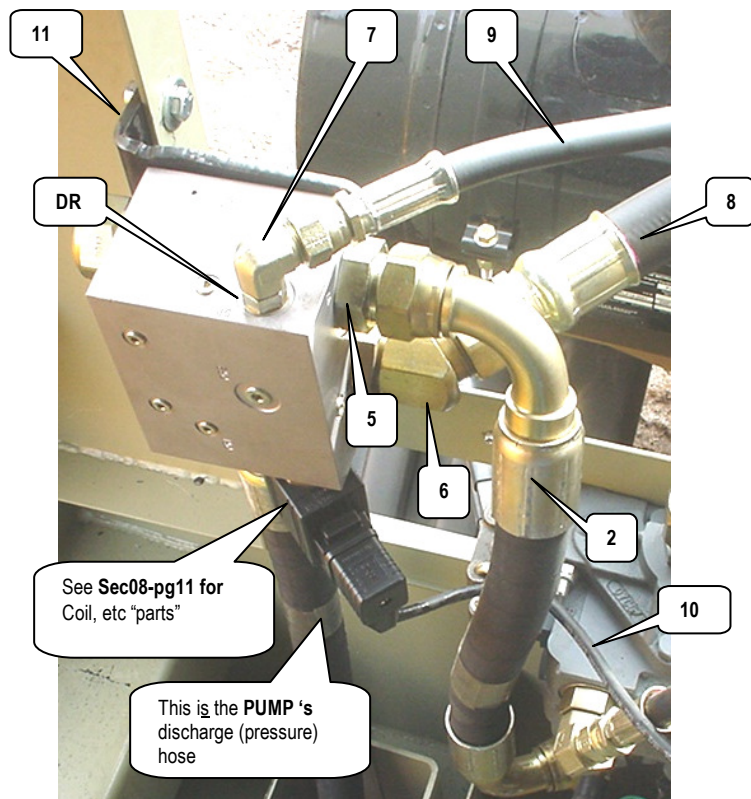
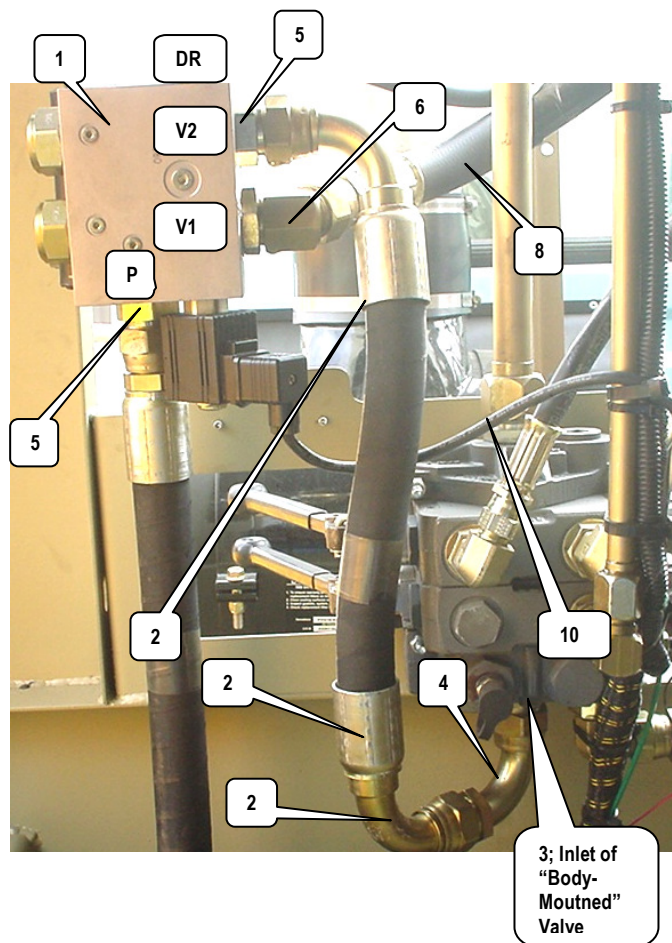
Pump's (Parker P365) SHAFT SEAL Kit

NO	Q	DESCRIPTION	PART NO
-	1	P365 Shaft Seal Kit	8800811
-	1	Outboard Bearing for P365	8800812
-	1	Snap Ring for P365outboard bearing	8800813
-	1	Spacer for P365 Outboard bearing <i>Spacer must be installed for any Outboard Bearing!!</i>	8800814



PLUMBINGS... at WET VALVE

NO	Q	DESCRIPTION	PART NO
1	1	Wet Valve (aka...LSV; Logic Selector Valve) See Sec08-Pg11 for Service Parts	9932087
2	1	Hose Assy- 1" x 17 1/2" lg From V2 port of Wet Valve to Main In Port of "Body-Mounted" Valve ("pressure-side" of valve)	9934246
3	1	Straight Adapter- #12orb x #16 jic	9933306
4	1	Tubular 90 Adapter	9933427
5	2	Straight Adapter- #16orb x #16jic	9933026
6	1	45 Degr Adapter- #16orb x #16jic	9933296
7	1	90 Degr Adapter- #6orb x #6jic	9933033
8	1	Hose Assy- 1 1/4" x 42" lg (XL Length) From Wet Valve's V2 -to-Tank's TEE	9934293
9	1	Hose Assy- 3/8 x 51" lg The Wet Valve's housing drain (DR)-to- tank atmosphere	9934248
10	-	SjOOW cable- 18-2 <cable "drip looped"> - To chassis elects...<Coil Hot=Hydraulics Active>	
11	1	Wet Valve Mount Bracket	0031740
12	1	Reducer bushing	9933406
13	1	90 Degree Adapter- 3/8" NPT x #6 JIC	9933077
14	1	Straight Adapter- #20 ORB X #16JIC	9933027
15	2	Tee- #16 JIC x #16JIC x #16 JIC FMS	9933378
16	4	Hex Head Capscrew- 3/8" UNC x 1" lg Use Soft <i>Loctite</i> to "block"	9950602
17	1	Filter Service clogging indicator switch	8800697
19	1	Hose Assy (Valve to Tank)	9934132
20	1	Tee Fitting (Drilled and Tapped)	2600072

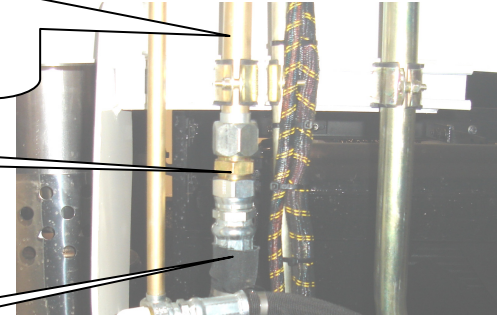


<See Hydraulic Schematic in Sec 09 also for Wet Valve's correct connections.>

PLUMBINGS... for PRESSURE FILTER OPTION

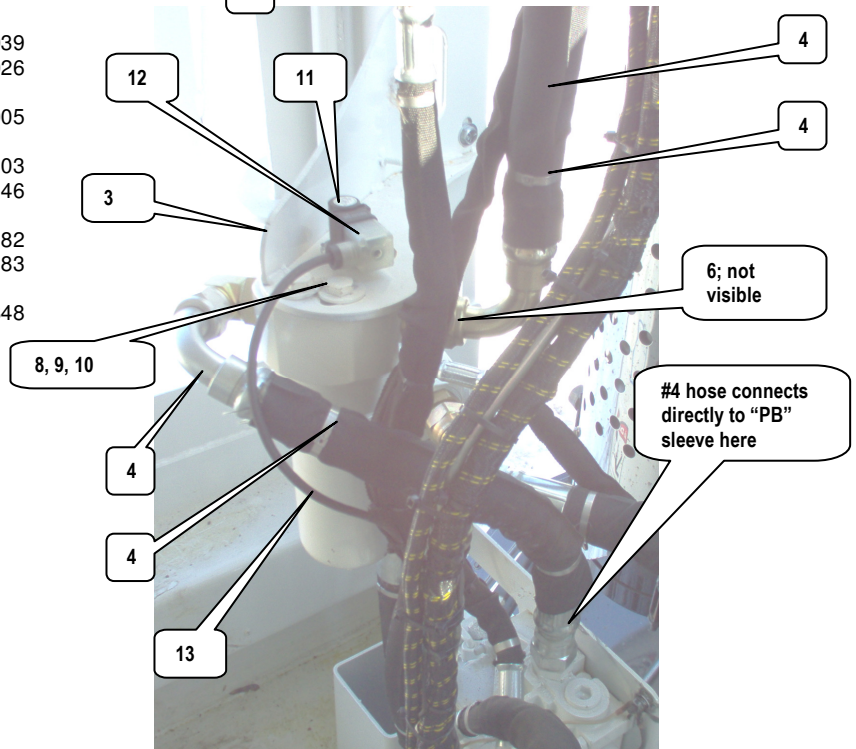
NO	Q	DESCRIPTION	PART NO
1	1	"Pressure" Filter-Entire unit (6000psi/45 GPM rated) <i>Rated 5000PSI & 45 GPM</i>	9931104
2	-	Serviceable ELEMENT <i>20 micron</i>	8800834
3	1	Mount Weldment (for "InBody" press-filter)	0120758
4	2	Hose Assy- 1" x 20" lg <i>#16jic fem-swiv...one end is "tubular 90"</i> <i>a>>from PB-to-Filter's "IN" port</i> <i>b>>from Filter's "OUT" port-to-roof Pressure Tube</i>	9934271
5	1	90 Degr Adapter- #16orb x #16 jic	9933039
6	1	Straight Adapter- #16orb x #16 jic	9933026
7	1	Union- #16 jic	9933005
8	2	CapScrew-Metric M8-1.25 x 20mm	-
9	2	FlatWasher- 3/8SAE	9950103
10	2	Lockwasher- 3/8	9950146
11	1	Differential Pressure Switch (only; to dash lite)	8800182
12	1	Wiring Box for Item #11 (Hirschman style)	8800183
13	1	Cable 16-2 SOOW	--
14	-	Oring Kit for Internorman Pressure Filter <"Pressure" filter is connected <i>just downstream</i> of Power Beyond sleeve...see Hydraulic Schematic>	8800848

Use PRESSURE tube
9930276: Used in place of
Item 4 from Sec 07- Pg 02



7

4



12

11

4

4

3

6; not visible

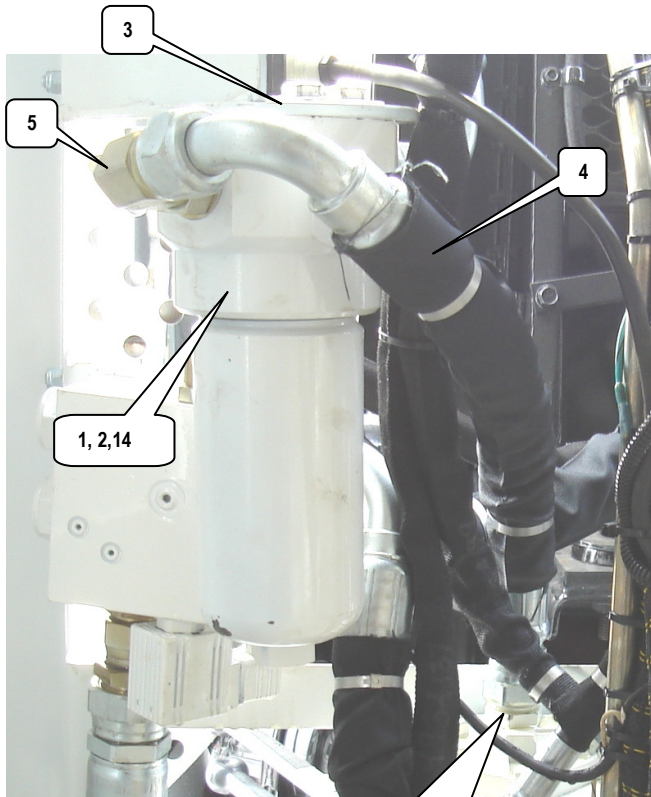
8, 9, 10

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4

13

#4 hose connects directly to "PB" sleeve here



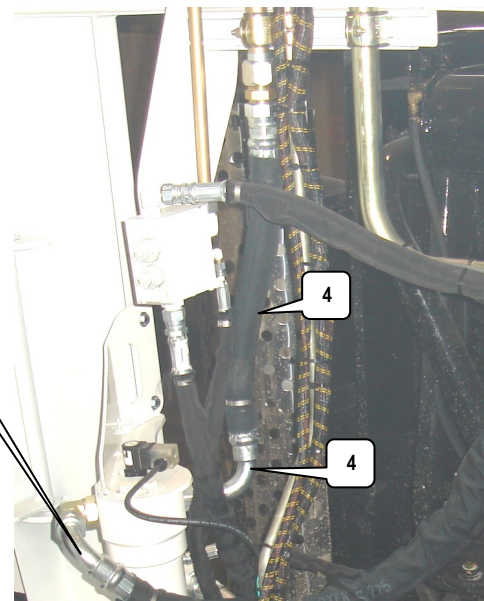
3

5

4

1, 2, 14

This is PB SLEEVE! Located at "top" of "Body-Mounted" "Valve"



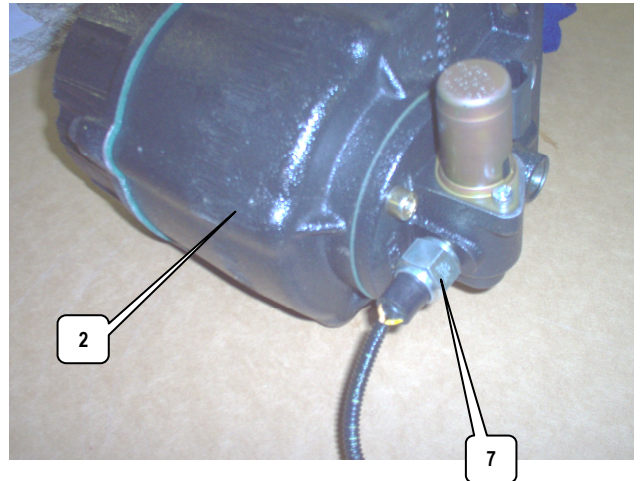
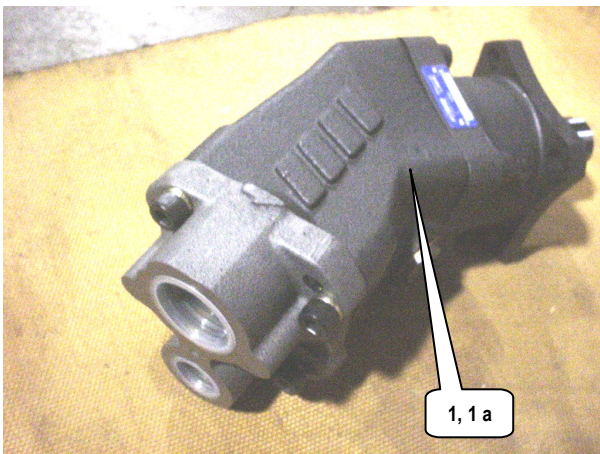
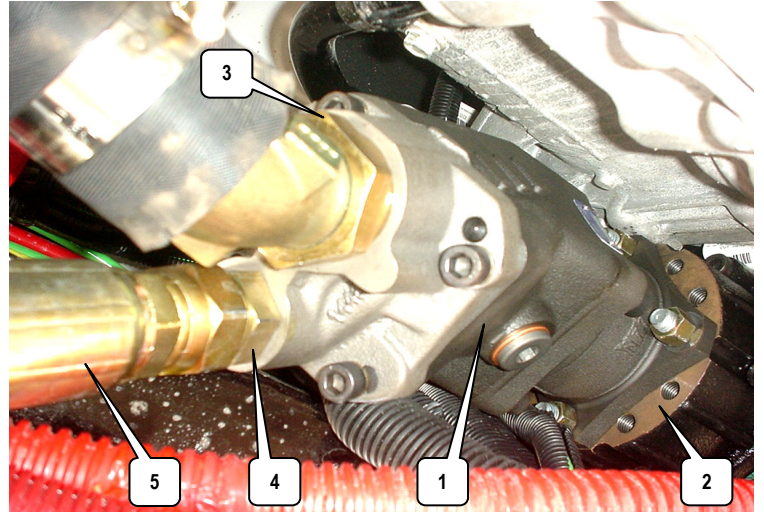
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4

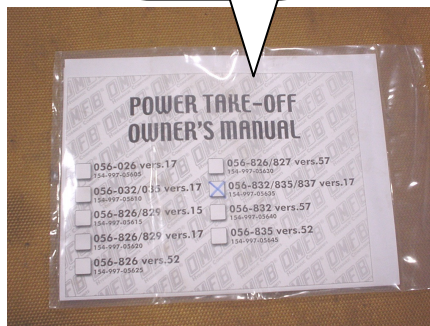
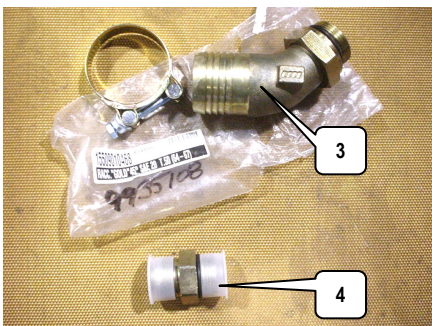
4

"DIRECT-COUPLE" PTO & PUMP (aka...OMFB setup)

NO	Q	DESCRIPTION	PART NO
1	-	OMFB PUMP- Excel "SIZE"....CW	9935103
1a		CCW	9935104
		<i>Always GREASE input SPLINES when installing!!</i>	
2	1	OMFB PTO for EXCEL COMPLETE PTO "KIT"...	9935109
		<i>Includes <u>all</u> the PTO related Stuffs shown on this and next page</i>	
3	1	Suction Port Fitting (#24 ORB x 2" hosebarb (EXCEL)	9935105
		<i>Includes the T-bolt Clamp for the 2" hose</i>	
4	1	Pressure Port Adapter (#16 ORB x #20 JIC straight)	9933384
5	1	Main Pressure Hose- 1 1/4" dia (Excel) x 4-wire	-----
		<i>Length will vary per installation...MIN 3500psi Working Pressure</i>	
		<i>EXCEL uses a 1 1/4" diameter pressure hose</i>	
		<i>Usually runs to Body-Mounted Valve's Inlet</i>	
6	1	the supplied OMFB PTO MANUAL	-----
		<i>Will be in your Delivery information "Packet" in the Cab</i>	
		Save!!! Contains your PTO OPERATION and technical info	
7	1	Pressure Switch (conss to dash's "PTO lite")	8800841



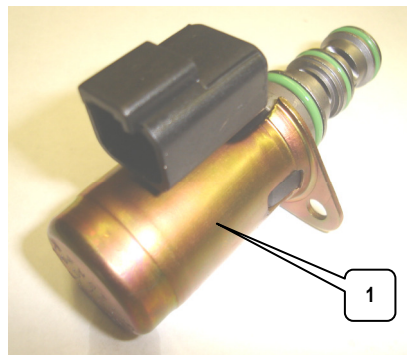
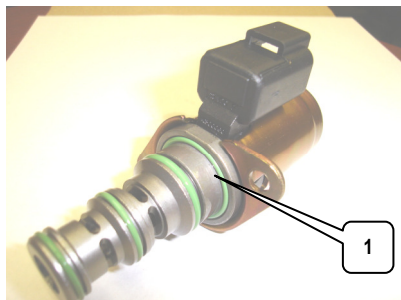
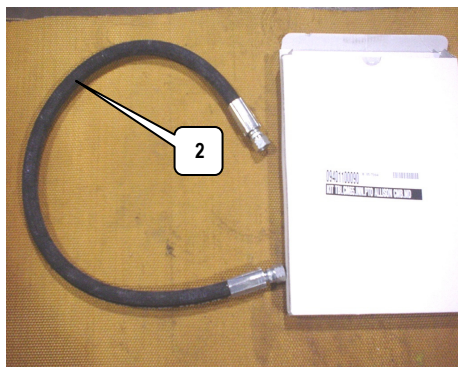
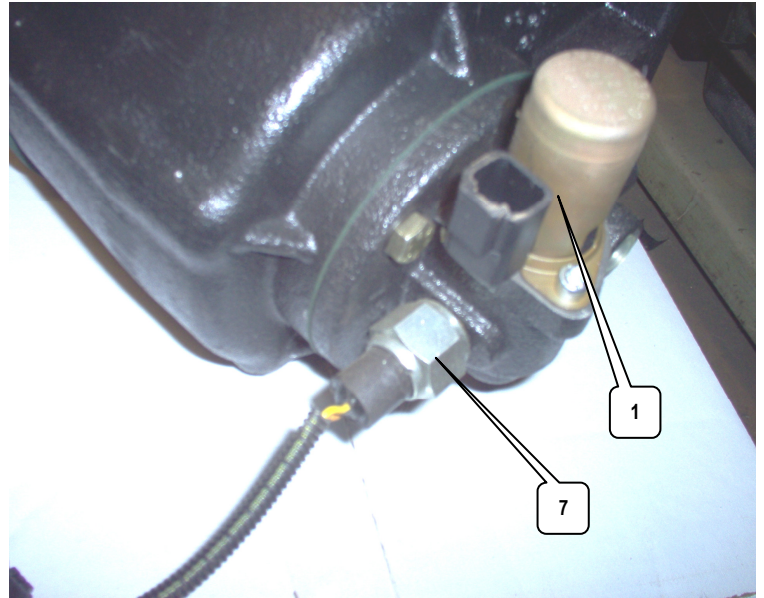
5; READ & SAVE
YOUR PTO
MANUAL!!!!



A "TYPICAL" CHASSIS
PTO "ACCESS" HOLE IN
THE CAB'S
FLOOR...HELPFUL
FOR PTO/PUMP "WORK"

DIRECT COUPLE PTO & PUMP "SERVICEABLE" PARTS

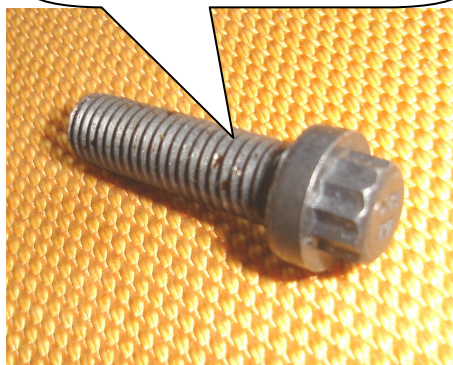
NO	Q	DESCRIPTION	PART NO
1	1	Coil - Cartridge Assy for OMFB PTO <i>Comes with "fresh" seals Protect with a 7 1/2 AMP fuse!!.... see electricals section</i>	8800837
2	1	Hose Assy <i>Hose "only"</i>	8800498
3	1	Electrics Harness (for PTO)	8800832
4	1	Gasket & Studs Kit (pump-side) <i>Gasket only is 8800497</i>	8800495
5	1	Gasket & Hardware Kit (trans. side) <i>Gasket only is 8800494</i>	8800827
6	xx	12-POINT Metric bolt (PTO to transm) Check PTO to transm & pump to PTO fasteners to Be "TIGHT" (periodically on <i>your</i> routine PM schedule)	8800615
7	1	Pressure Switch	8800841



4; use MED loctite



6; 12-POINT METRIC; Use medium Loctite and Tighten w/ 10 mm ratcheting closed end for best "swina" Clearances



5



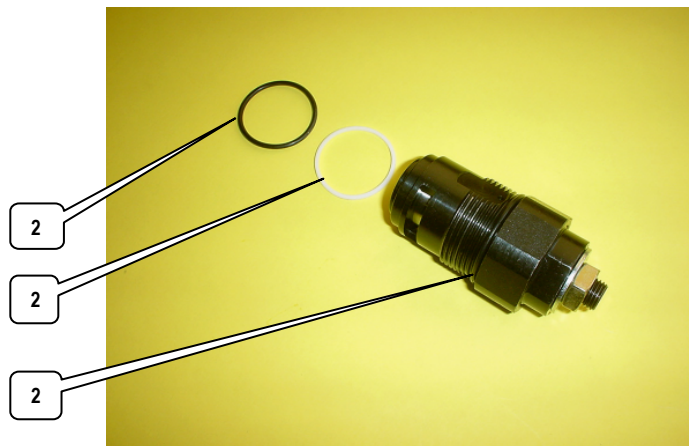
MAIN SYSTEM RELIEF (Body-Mounted Valve...Parker V20)

NO	Q	DESCRIPTION	PART NO
1	1	Main System Relief (V20 style for Excel) (includes the seal kit shown)	8800526
2	-	"Seals only" KIT for Main System Relief	8800806
3	-	-	-

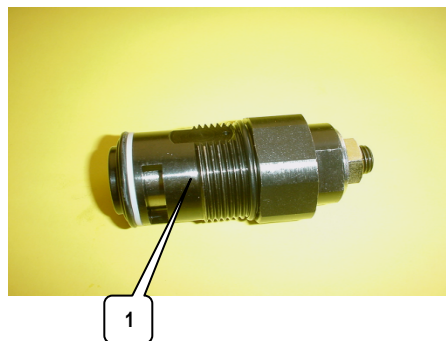
The seals must be installed in the correct sequence...as shown.

Tip...the seals are not "captured" in a groove...they are installed on the "shoulder"...apply liberal dose of common grease to shoulder and tip seals to HOLD them in place as you gently insert them into the valve's "cavity".

Tip...with any cartridge installed in a valve cavity...be certain *the cavity* is clean and free of debris...use a penlight to see inside cavity and then fish-out any old debris BEFORE installing a fresh main relief or fresh Seals.



This relief is **NOT** shipped Pre-set to correct EXCEL setting! It must be "adjusted". See your EXCEL Maintenance manual for "adjusting/ setting" to correct EXCEL specification.



POWER BEYOND SLEEVE (Body-Mounted Valve...Parker V20)

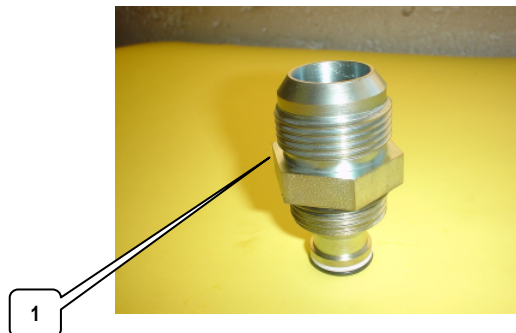
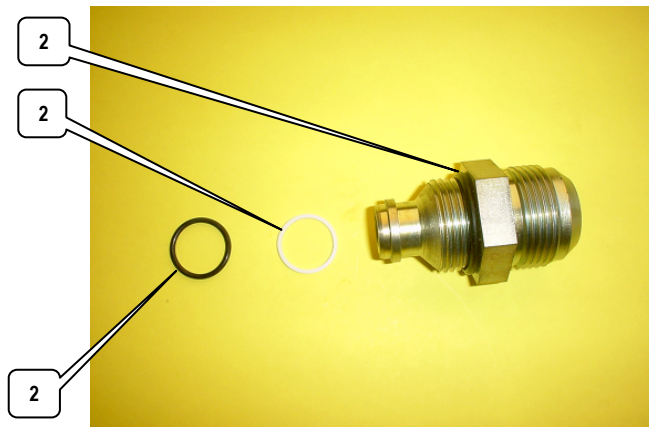
NO	Q	DESCRIPTION	PART NO
1	1	Power Beyond Sleeve (v20) (includes the seal kit)	8800335
2	-	Seal kit only for above PB sleeve	8800807

The seals must be installed in the correct sequence...as shown.

Tip...the seals are not "captured" in a groove...they are installed on the "shoulder"...apply liberal dose of common grease to shoulder and tip seals to HOLD them in place as you gently insert them into the valve's "cavity".

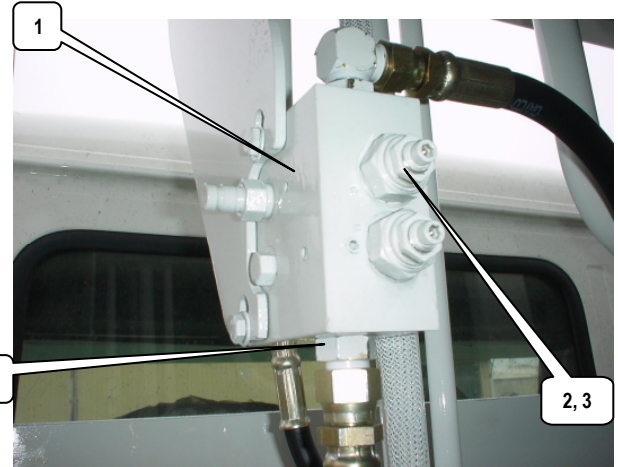
Tip...with any cartridge installed in a valve cavity...be certain the **cavity** is clean and free of debris...use a penlight to see inside cavity and then fish-out any old debris. (Installing *new* seals in a "fouled" cavity will result in failure of the new seal-system.)

Installing the PB sleeve's seals correctly can be difficult because a pool of oil will fill the *upward* directed "cavity"...you may choose to mop out the oil using paper-towels...or suck oil out with hypodermic style tool. Then install the PB sleeve...with it's *greased-up* seals into "dry" cavity.



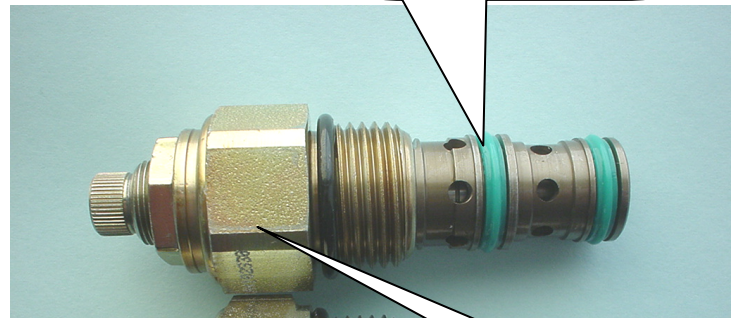
"SYNPKAK" VALVE (XL's Ejector "drift" Controller)

NO	Q	DESCRIPTION	PART NO
1	1	Complete SYNPKAK Valve (only) <i>Complete... both cartridges pre-set to 2500PSI</i>	9932066
2	2	Cartridge for Synpak <i>Pre-set at Michigan to correct 2500PSI trip setting Includes all the cartridge "fresh" seals</i>	8800688
3	-	Seal Kit Only for "one" of the Cartridges <i>Durable Urethane (2) and o-ring (1)</i>	8800717
4	1	Orificed Fitting <i>This Orifice for the EXCEL is 5/64" diameter (and is very important to Payload Performance)..</i>	2600081



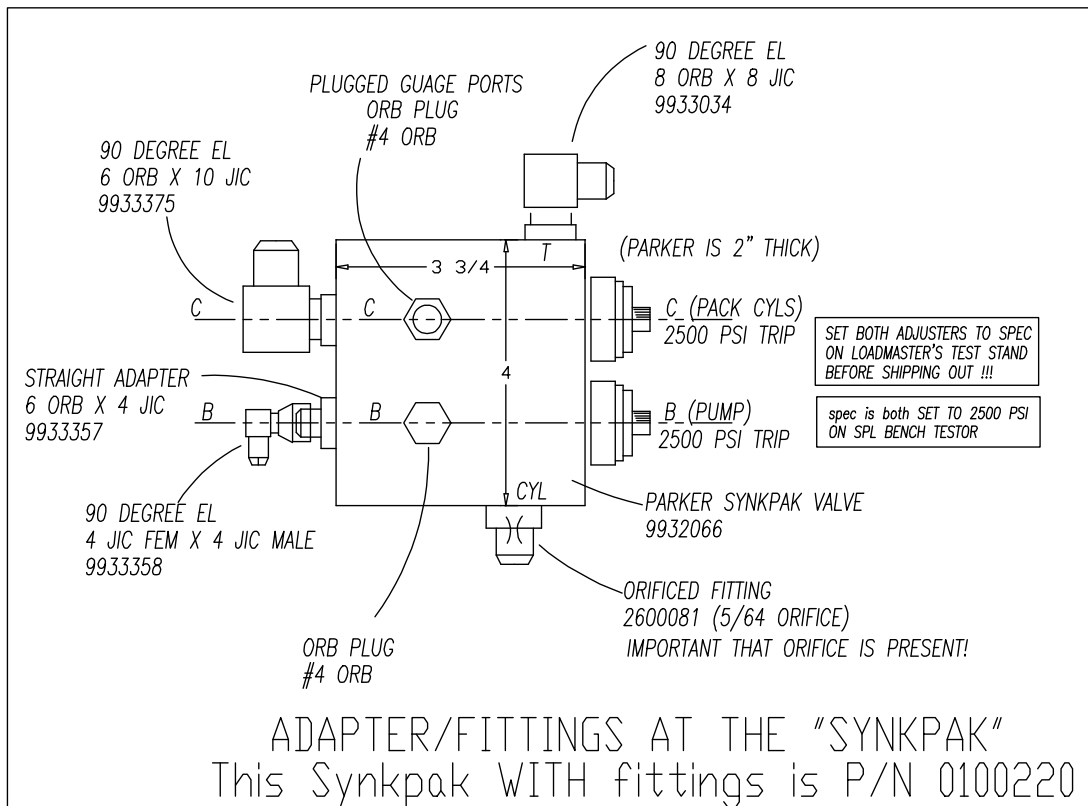
THE "SYNPKAK" VALVE CAN BE ORDERED
WITH FRESH FITTINGS AND FRESH ORIFICE...
AS AN "ASSEMBLY"...ORDER 0100220 (See Below)

TIP!! Do not "arbitrarily" Adjust the 2 Synpak cartridge's ADJUSTER's without "first" talking with LoadMaster Customer Service. These Synpak adjusters are Bench Set at Factory to 2500PSI...the 2500PSI "Trip Open" Setting creates a overall "Balance" with "other" settings for the Excel's Payload-Performance to be optimized. Read the EXCEL Operators/Maintenance Manual for a good understanding of "how" the Synpak ejector-controlling valve functions within the hydraulics System.



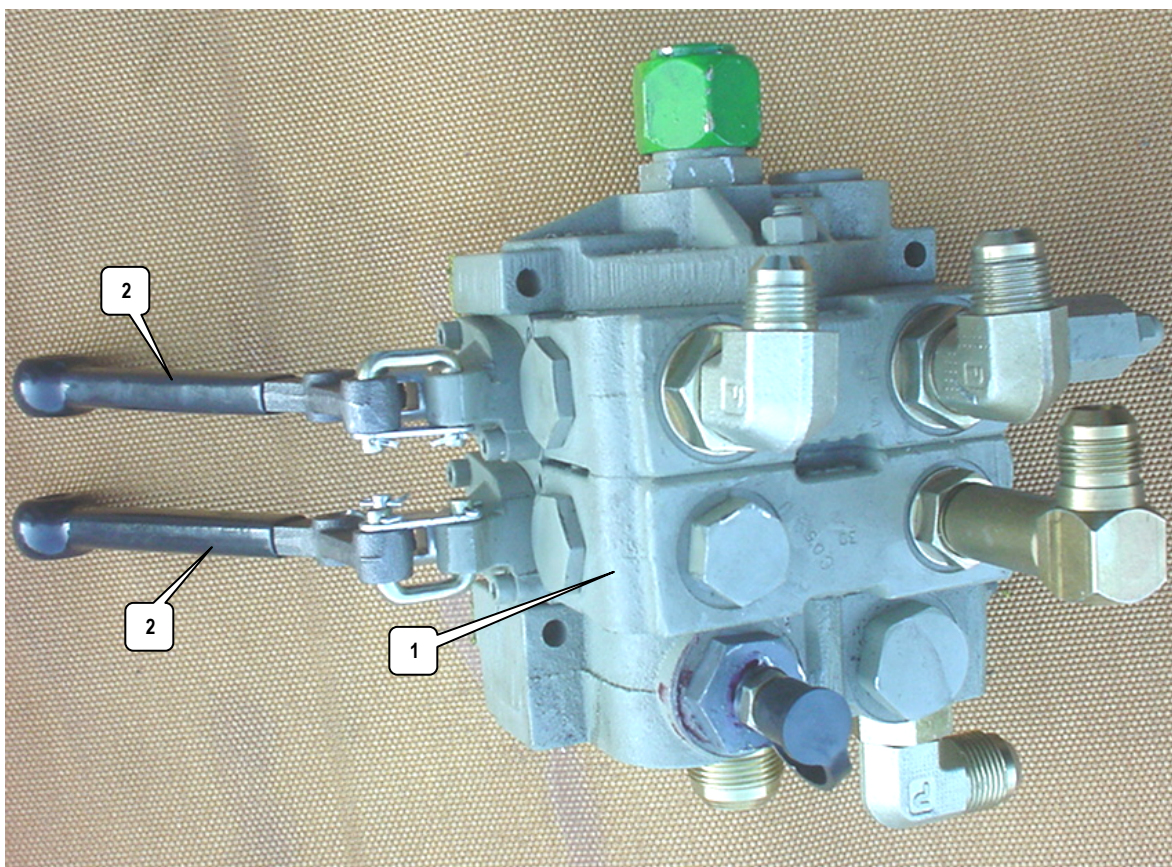
Use only the shown Urethane
MOD-D seal for durability!

2, 3; Bench-set to 2500 PSI
"trip" at Michigan Factory



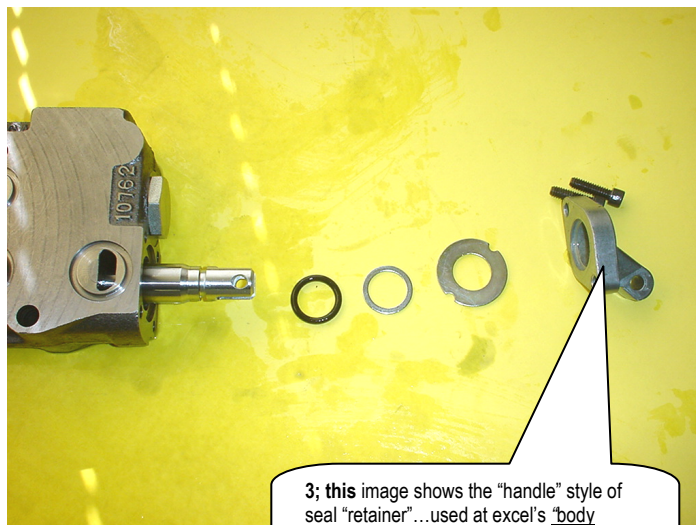
BODY- MOUNTED VALVE... V20 Parker

NO	Q	DESCRIPTION	PART NO
1	1	Complete Body-Mounted Valve Assy-TurnBuckle <i>Excel configuration: Complete V20 Valve assy only Includes 2 handle kits</i>	9932055
	-	Complete Body-Mounted Valve Assy- AutoLock Opt.	9932077
2	2	Handle Kit (one V20 style) <i>Include the S-clip; clevis pins, etc</i>	9931010



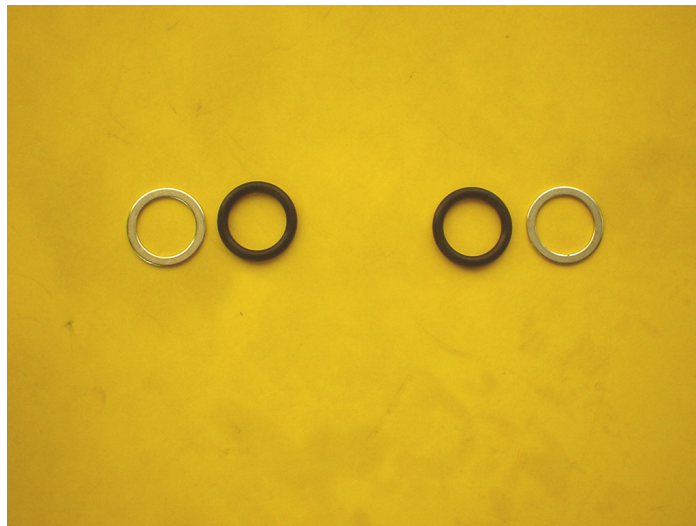
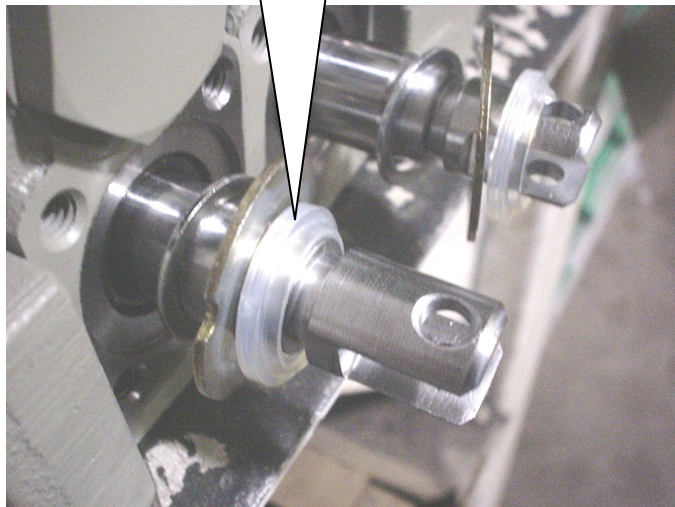
BODY-MTD VALVE... V20 SPOOL SEAL (at the spool clevis side)

NO	Q	DESCRIPTION	PART NO
1	-		
2	-	Spool Seal Kit for <u>Body-Mounted Valve's</u> spools <i>Notice that this kit has "EXTRA" wiper</i> <i>For the two Body-MTd spools, one spool's worth per p/n ordered</i>	8800808
3	-	Handle Bracket (includes the two screws)	9931015



3; this image shows the "handle" style of seal "retainer"...used at excel's body mounted valve"...reuse this when just repairing the "seal" here

2; this is Body-Mounted V20 only



VG35 "KNOCK-OUT" STYLE WORK SECTIONS...Seals, etc

NO	Q	DESCRIPTION	PART NO
1	1	Seal, O-ring <i>Right at the worksection "casting"</i>	8800789
2	2	Seal...directionally- sensitive at install <i>NOTE the correct orientation & position</i>	8800790
3	2	Backup Ring <i>Used "correctly" with item #2 above</i>	8800791
4	1	Seal, O-ring	8800792
5	1	Seal, O-ring	8800793

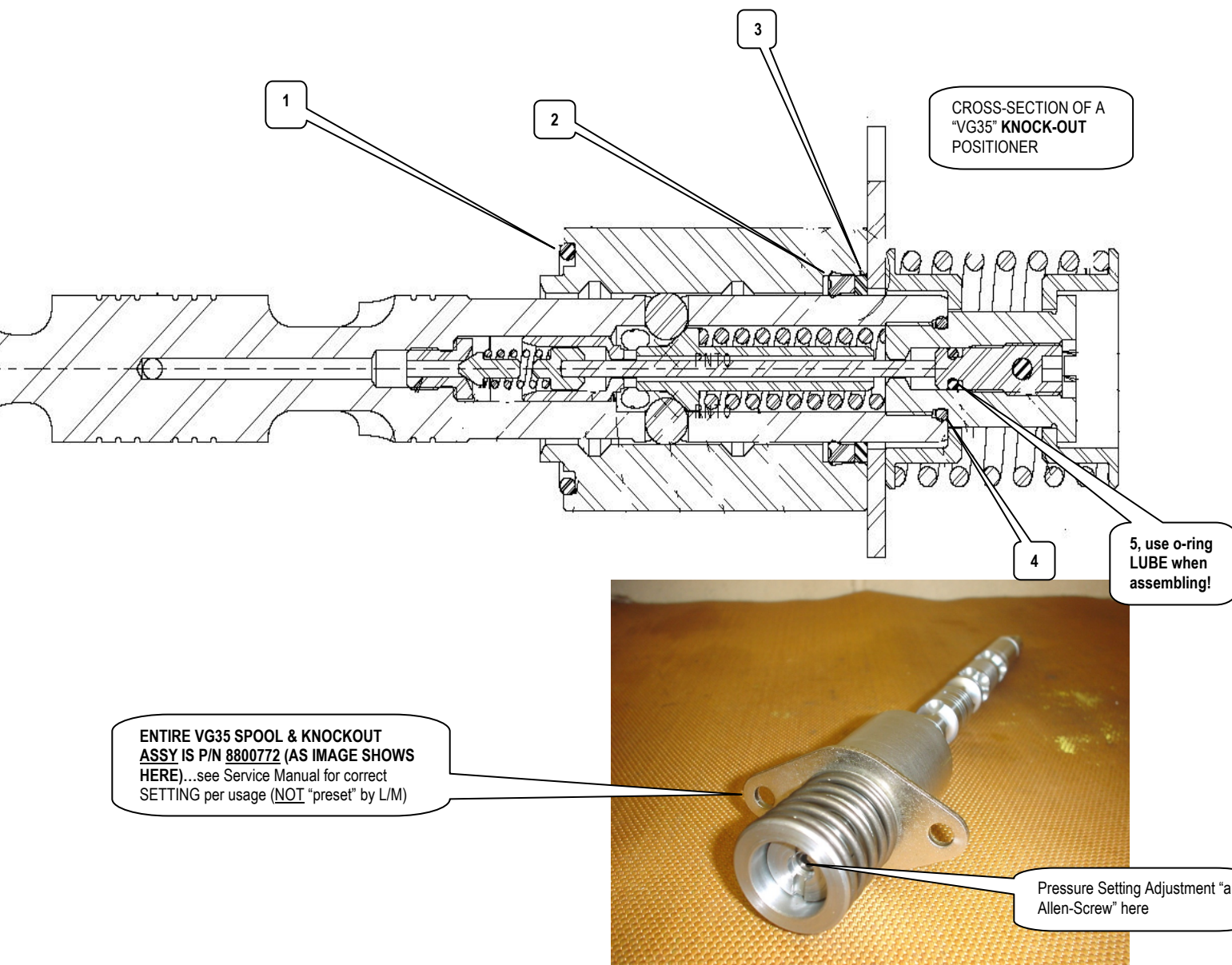
NOTE the correct "Orientation" of items 2 & 3!!!! Assure CORRECT or seal system will "fail"

NOTE: these Seals are for Excel's VG35 K.O.'s only (see other parts catalogues for other models of valves)

NOTE: for LoadMasters...spool & K.O.'s are ALWAYS installed in "TANDEM" work-section castings

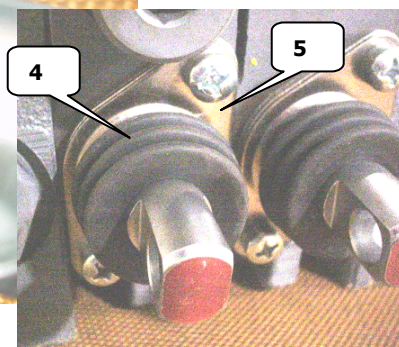
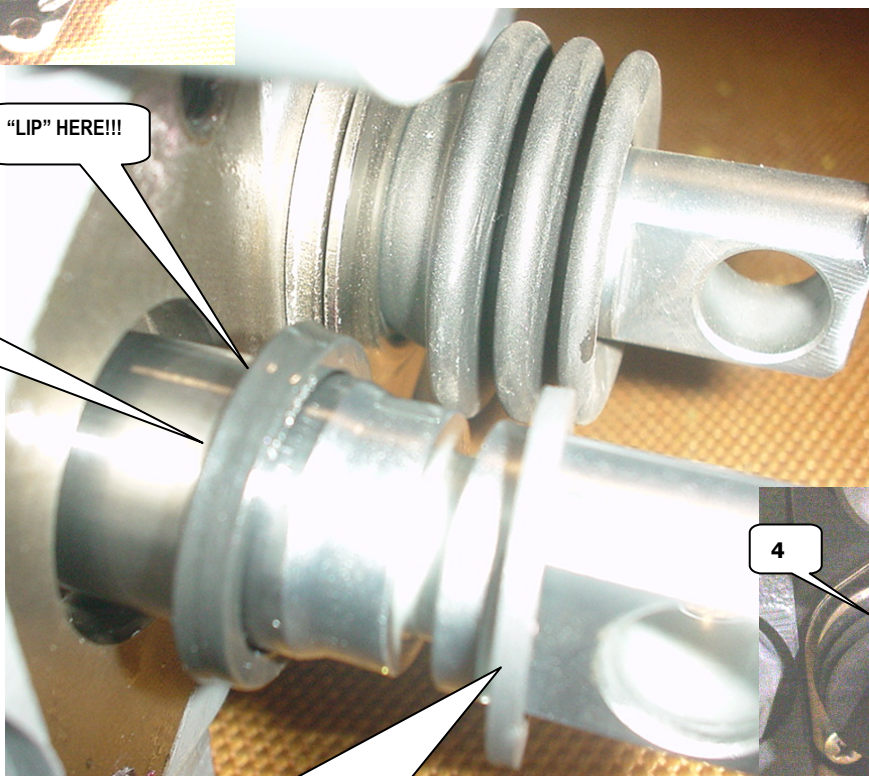
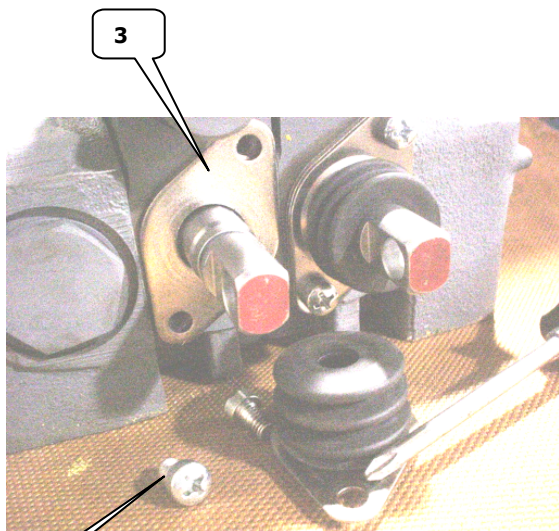
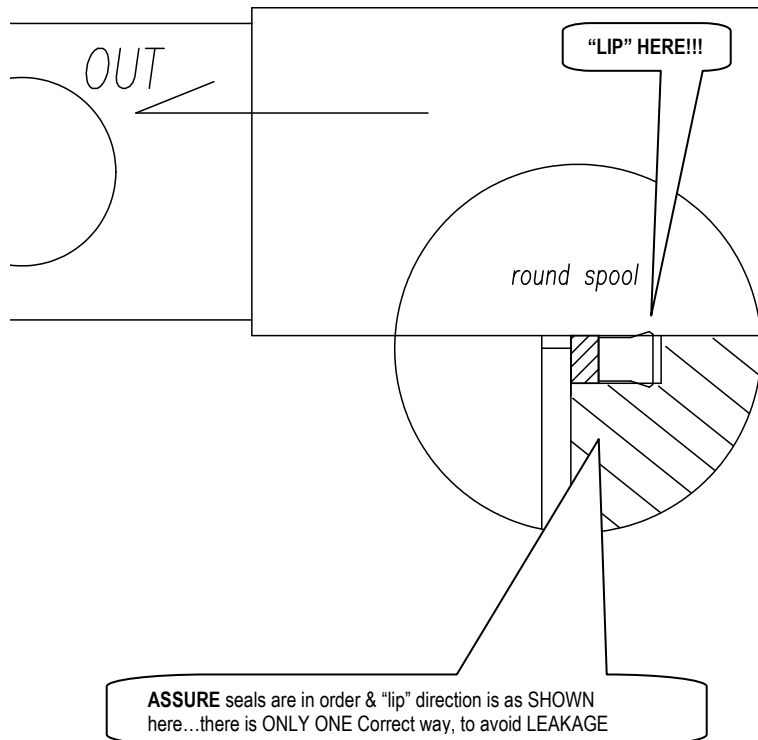
NOTE: Seal Item#2 & #3 is ALSO used at spools "handle side" (side "opposite of shown here...SAME seals at both ends of SPOOL)

(See Sec 08 -Pgs 13 & 14 for the Seals, etc for any *OPTION* style Work Section. *OPTION* worksections use a *Different* Seal Arrangement)



VG35 "KNOCK-OUT" STYLE WORK SECTIONS...Seals, etc

NO	Q	DESCRIPTION	PART NO
1	2	SPOOL SEAL ("2" per spool/ section) <i>This "same" seal is at both ends of spool</i>	8800790
2	2	BACKUP RING FOR SPOOL SEAL	8800791
3	1	RETAINER FOR SPOOL SEAL <i>Thicker metal; retains the spool seal Arrangement. A "shoulder" machined in cast section Retains the Spool Seal arrangement on the inside</i>	8800797
4	1	BELLOWS BOOT	8800798
5	1	BELLOWS BOOT RETAINER <i>Thin metal; retains boot only</i>	8800799
6	2	FILLISTER SCREW (1/2" long)	8800800



TAILGATE-MOUNTED VALVE...UNIVERSAL KNOCK-OUT WORK-SECTION

NO	Q	DESCRIPTION	PART NO
1	-	Universal KnockOut (K.O.) Work Section (VG35)	8800729

This particular *universal* VG35 K.O. work section is "adaptable" to Slider Or Sweep. The Excel uses two K.O. Work-sections...the *Slider* blade's work section (the section closest to "ground") and the *Sweep* blade's work section (right next to slider, just above slider's).

When replacing the **Slider's** work section...you just need to order Item 1 and at least one "Section Seal kit-VG35" (P/N 8800716). The Slider's work-section has no port mounted devices and the Slider "casting" is not machined for work port devices.

When replacing the **Sweep's** work section...order this universal KO Work section **AND** also order...

- 1) The "Section Seal kit- VG35" (at least one...see next page)
- 2) The Sweep's structure-protecting Port Relief (VG35-see below)
- 3) The Anticavitation Check (VG35...see below)

!!!DO **NOT** operate your EXCEL WITHOUT the IMPORTANT "STRUCTURE-PROTECTING" PORT RELIEF AND ANTICAV!!! installed into the **SWEEP** blade's work-section! (Relief on Sweep Cylinder's BASE-End) Very Important!!!!

Any K.O. work-sections ordered are **NOT** pre-set to their correct EXCEL Specifications... see your Maintenance Manual to Check/Adjust either K.O. positioner to correct EXCEL specs...Check/Adjust KO's just after installing the fresh KO work-section into your truck.

The EXCEL uses Parker's VG35 for the multi-sectioned Tailgate-Mounted Valve...the "**G**" means IMPACTED GRAPHITE castings (hi-pressure version). (Do NOT use the structurally weaker VA35 componentry.)

TAILGATE MTD VALVE...SWEEP WORK SECTION'S PORT DEVICES...the Port Relief and the Anticav (together) protects the structure.

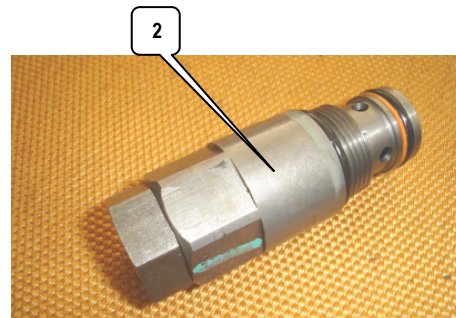
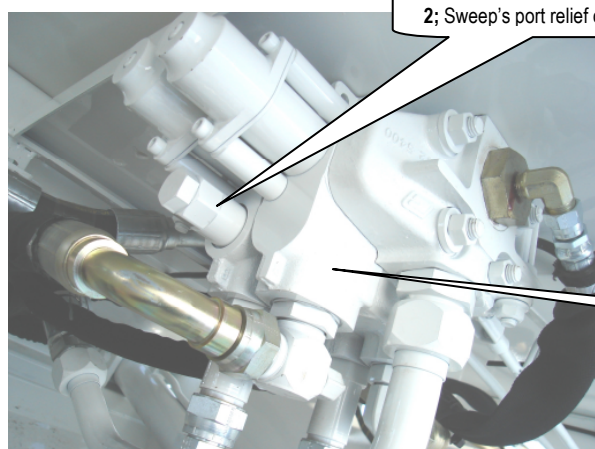
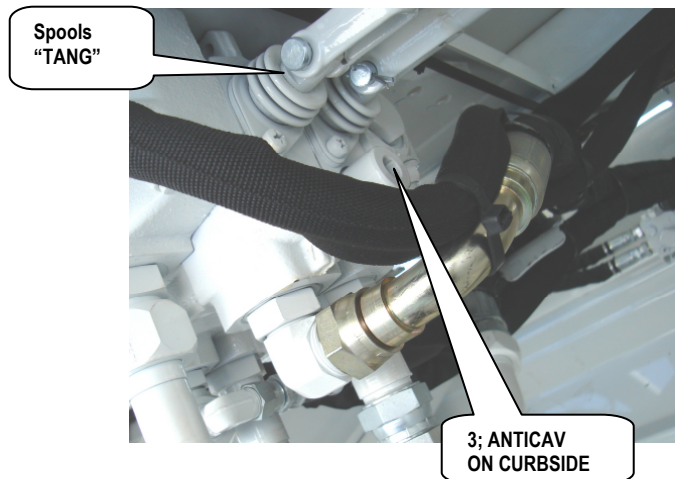
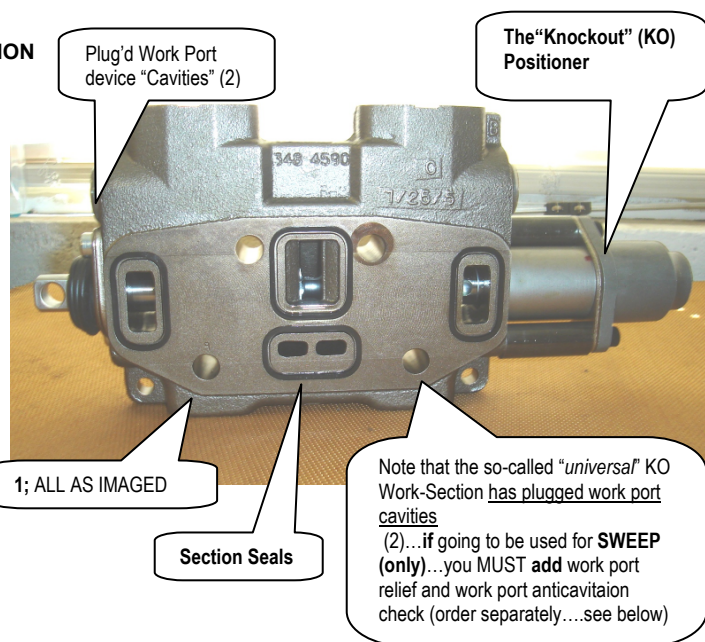
NO	Q	DESCRIPTION	PART NO
1	-	Universal VG35 Work Section w/ K.O. positioner <i>See above information</i>	8800729
2	1	VG35 Port Relief (set to 3800 PSI "crack" EXCEL) <i>Includes all fresh "seals"</i>	8800737

Note position...be sure to install at the work port *at the Knock-Out side!*
(Which is Sweep Cyl's BaseEnd...aka "push end"?)

3	1	VG35 Anti-cavitation Check <i>Includes all the seals and the</i>	8800732
---	---	--	---------

Note position be sure to install the AntiCav at the spool's *Tang-side!*
(which is Sweep Cyl's RodEnd)

Tip... Always inspect the castings CAVITY to be *clean*...with a penlight and your eyes... whenever working on *any* VG35 port device. Use a magnet-wand and/or hooking tools to "fish". If Cavity is not cleaned off all DEBRIS...the fresh seals or fresh port-mounted device will probably malfunction also.



Notice that Slider's Work Section has no Port Devices on either side; NO cavities in SLIDER section

VG35 "SECTION SEALS"

NO	Q	DESCRIPTION	PART NO
1	a/r	Section Seal Kit (VG35 style) One seal kit is enough for <i>one</i> section. There will be 3 smaller diameter SQUARISH cross-section'd o-rings, And ONE larger diameter "squarish"-ring needed...in the seal "kit".	8800716

Tip...be sure to Evenly Torque up your VG35 tie-rods to **76 FT-Lbs.**
when reassembling...uneven or excessive torquing can cause
erratic valve operation. Start at a low torque, say 30 Ft-LBS, then 55, then
up **EVENLY** to 75 FT-LBS.

Too-low of tie-bolts torque can cause newly installed section seals to
quickly fail and "leak". Too-high torquing will cause casting "distortion".

Tip...Wipe any Oil from the Flat Machined surface when assembling...any
Oil "film" left on the machined flat surface of section casting will cause "False
Torquing" (even when tie-rods are uniformly & incrementally "torqued-up" to VG35's correct
75 ft-lbs. The film of oil will later cause "relaxing" of tie-bolts).



1; ALL "FOUR" PER p/n

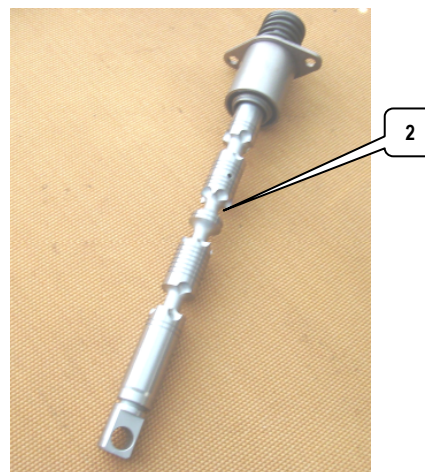
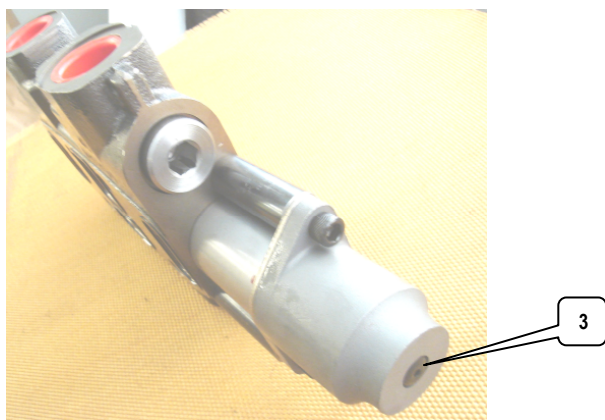
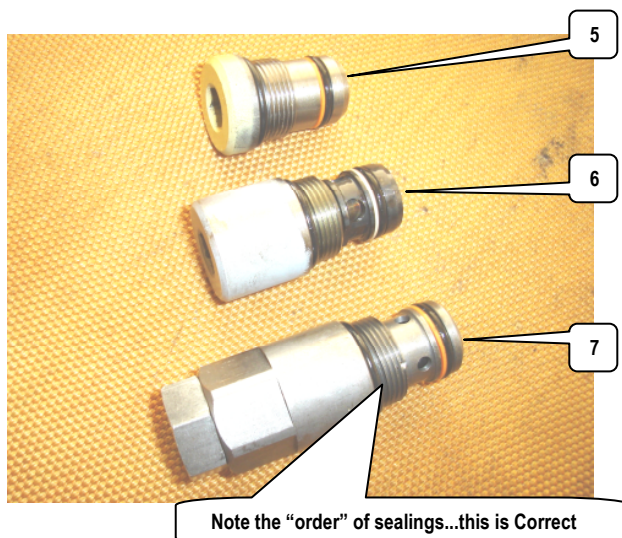
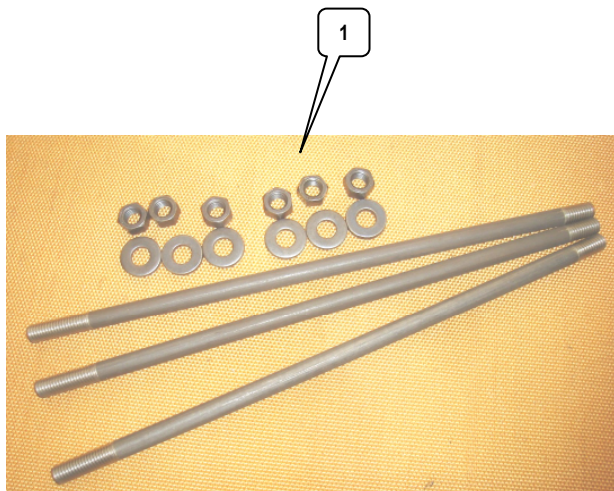


The VG35 section seals have
a "SQUARISH" cross section

TAILGATE-MOUNTED VALVE...VG35 MISCL SERVICE PARTS

NO	Q	DESCRIPTION	PART NO
1	1	VG35 Tie Bolts KITS 4 tie-bolts per VG35 (not the "3" imaged) One Kit= 4 ties/ 8 nuts/ 8 hardwashers	
		2 Section	8800689
		3 Section	8800690
		4 Section	8800691
		5 Section	8800692
		6 Section	8800693
		TIP: Torque-up evenly & incrementally to 75 FT LBS for VG35 (only)	
2	-	VG35 Spool & KO Complete Assembly (as imaged) "HI-Ranger" is used in Excel Does not include Bonnet, Spool-to-Casting seals Will NOT be Pre-Set...See Op-Maint Manual for Excel's Check/Adjust K.O.'s procedure	8800772
3	-	Rubber Plug- VG35 (K.O. Adjust access hole) Always keep this Adjuster hole SEALED! Dust/Dirt and/or Water will ruin the K.O. internals (wear & foul & rust & even Frozen water)	8800830
4	-	Universal VG35 KO Work Section The entire assy ...as imaged; casting & Spool & KO Adaptable to either Slider or Sweep If using this p/n for Sweep...see Sec08 pg07 for details	8800729
5	-	"NR" Plug for a Work Port Cavity "NoRelief" plug...fills cavity "if no relief or anticav is needed"	8800694
6	1	AntiCavitation Check (VG35 style) MUST be present on Sweep Section's rod-side (curbside)!!	8800732
7	1	Port Relief (VG35 style) 3800PSI "crack" setting MUST be present on Sweep Section's base-side (streetside)!!	8800737

Items #6 & #7 together create the **Structure Protection System**
And are critically Important...never Remove or Shim or Disable!



TAILGATE-MOUNTED VALVE...VG35 MISC. SERVICE PARTS

NO	Q	DESCRIPTION	PART NO
9	1	"NR"(No Relief) Plug: VG35 Inlet-Cover Style <i>Excels "never" have a relief at the Inlet Cover of the Tailgate-Mounted Valve..this Part "Plugs" the Inlets "Cavity" on all Excels</i>	8800669



Excel's "Tailgate-Mounted Valve" part numbers
The whole valve assy...as imaged below

2-spool >> 9932078

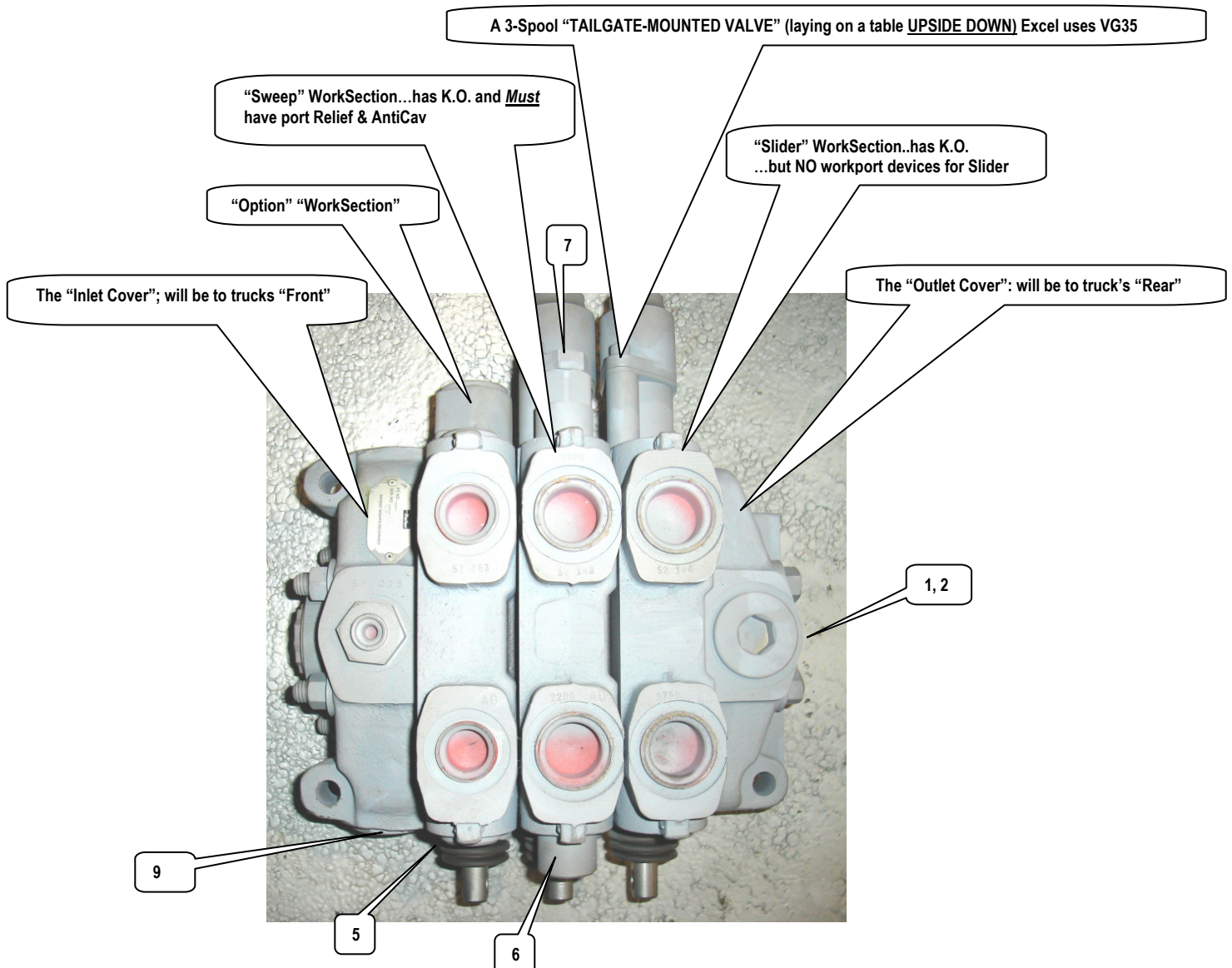
3-spool >> 9932079

4-spool >> 9932080

5-spool >> 9932088

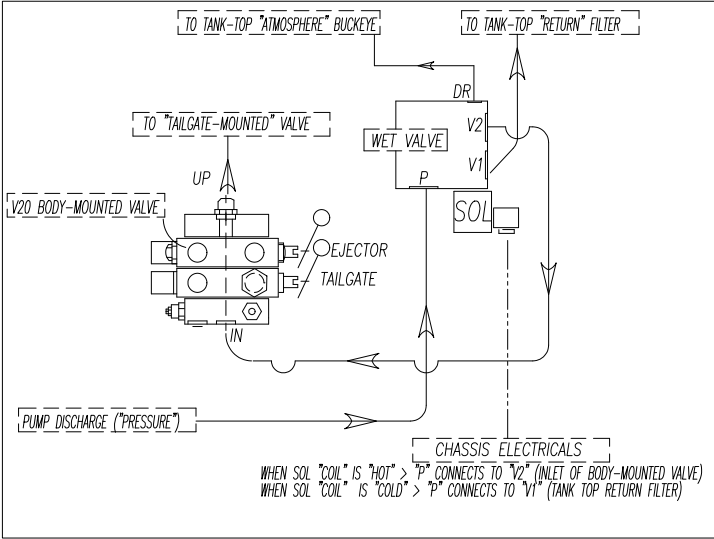
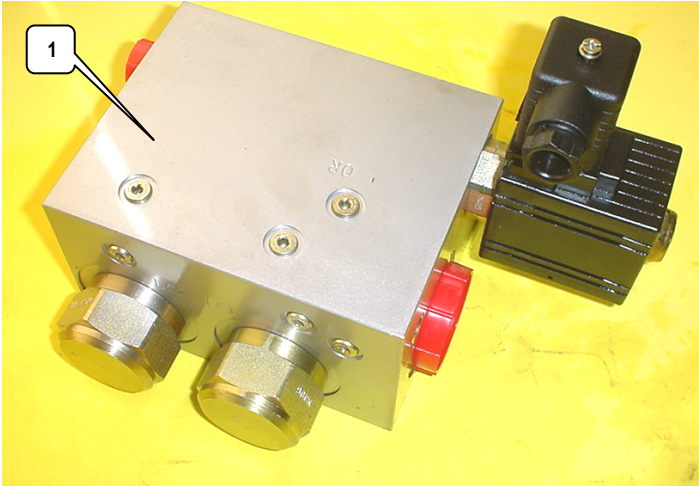
6-spool >> 9932105

Note: for 3 thru 6 spool...the "Options" sections...the above Whole Valve p/n's do NOT include the correct Port Reliefs/ orifices that you will need (depending on "what" the option's intended use is)...see PORT DEVICES chart in this Manuals SEC 12 and **order the Port Devices** per the chart. All Whole Valve's Option sections *will have* 2 plugged Work port device Cavities and are therefore "adaptable" to your intended purpose.



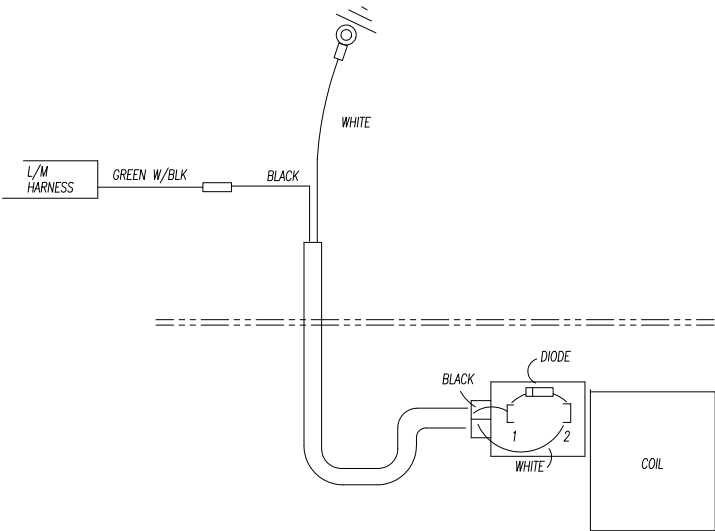
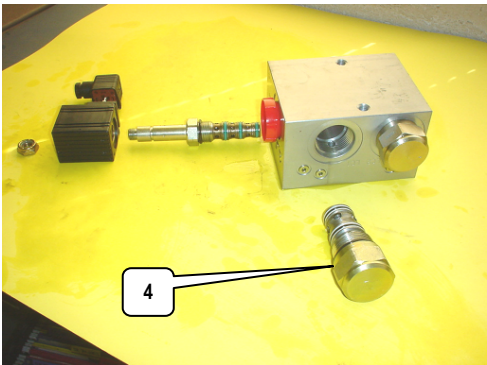
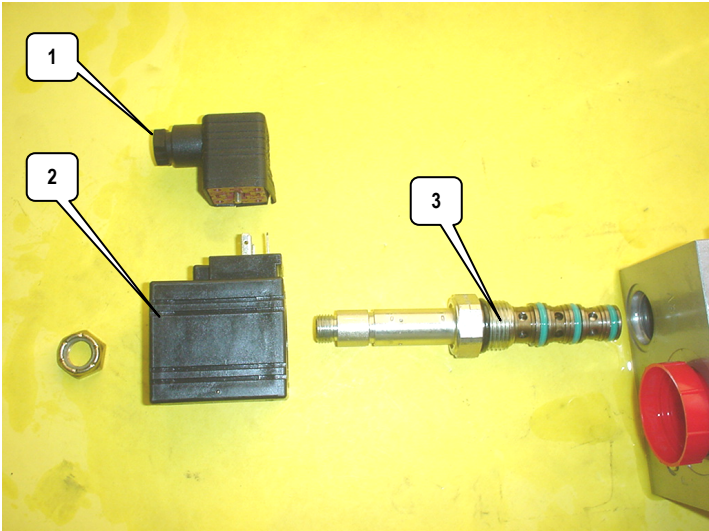
FRONT PUMP..."WET VALVE" SERVICEABLE PARTS (aka..."LSV")

NO	Q	DESCRIPTION	PART NO
1	1	Wet Valve (entire valve assy...as imaged)	9932087
2	-	Seals Kit for "Wet Valve" (All serviceable seals in kit for one WET VALVE)	8800715



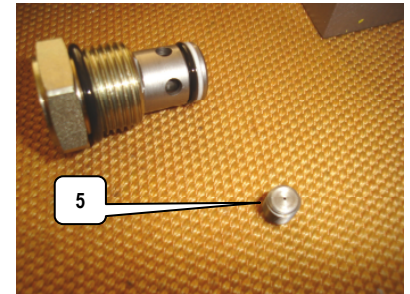
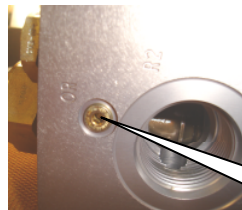
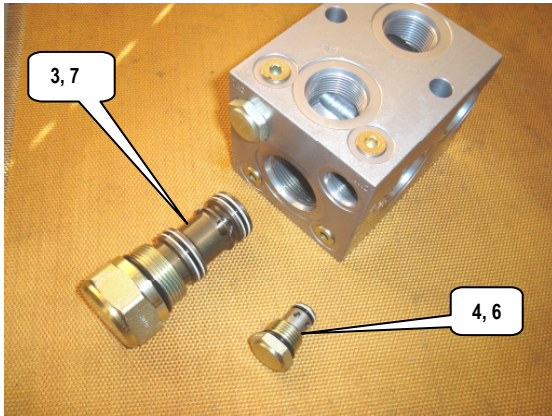
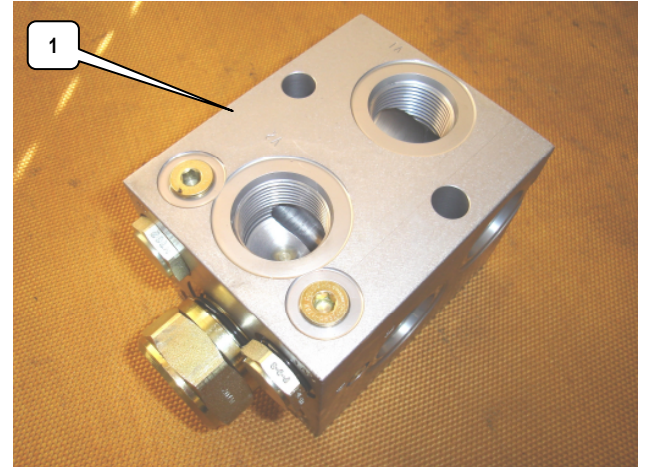
FRONT PUMP..."WET VALVE" SERVICEABLE PARTS

NO	Q	DESCRIPTION	PART NO
1	1	Wiring Box Assy (aka...Hirschman connector) <i>Includes integral Diode that protects the chassis' brain from being scrambled (WIRE exactly as sketched below)</i>	8800714
2	1	Coil only	8800713
3	1	Solenoid Valve Cartridge <i>Includes fresh seals pre-installed Seals are symmetrical here...can not be installed "backwards"; Urethane seals</i>	8800712
4	2	Logic Element Cartridge <i>There are two...they are the "same" Includes the fresh seals. Note correct seal configuration</i>	8800711
5	1	Valve "Body" only (aka..."manifold" or "housing")	8800726



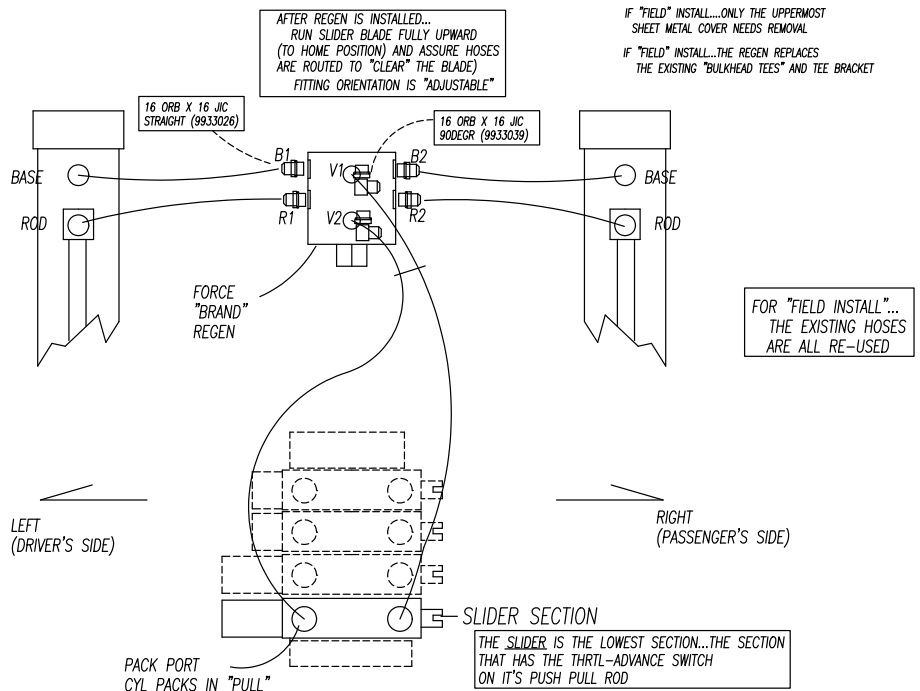
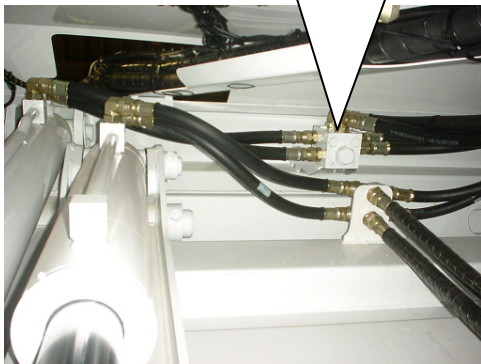
"REGENERATION VALVE" SERVICEABLE PARTS (AKA..."REGEN")

- | | | | |
|---|---|---|---------|
| 1 | 1 | Complete Regen Valve (valve only) | 9932094 |
| 3 | 1 | Main Regeneration Cartridge
<i>Includes Fresh seals installed</i> | 8800290 |
| 4 | 2 | Check Valve Cartridge
<i>Includes Fresh Seals</i> | 8800291 |
| 5 | 1 | Orifice
<i>Located "inside"...beneath the outer plug that is embossed "OR"...assures this orifice is snugly "Jammed" against shoulder to avoid "wash away"</i> | 8800823 |
| 6 | 1 | Seals kit for Check Cartridge (only)
<i>Includes all the Serviceable rubber seals, backups,etc</i> | 8800292 |
| 7 | 1 | Seals Kit for Main Regen Cartridge (only) | 8800293 |



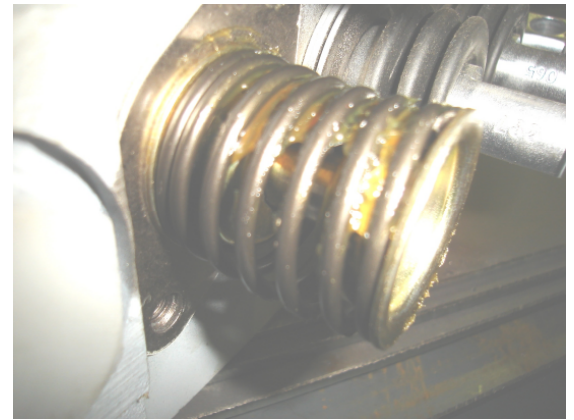
Removing this body surface plug will
Expose the Orifice
Underneath...Embossing is "OR"

Regen Valve...as installed in an EXCEL



VG35 "OPTION" WORKSECTIONS....Spool Seals, etc

NO	Q	DESCRIPTION	PART NO
1	2	Seal, O-ring (Black color) <i>Only for a Option work-section!!</i>	8800186
2	2	BackUp Ring (Orange plastic) <i>NOTE the correct orientation & position</i>	8800187
3	3	Retainer ("2" at tang-end/ "1" at detent-side)	8800188
4	1	Retainer (thin steel; cages the boot)	8800799
5	1	Bellows Boot	8800798



NOTE: Assure the correct "Orientation" of items 1 & 2 as imaged here (Assure CORRECT orientation...or seal system will "fail")

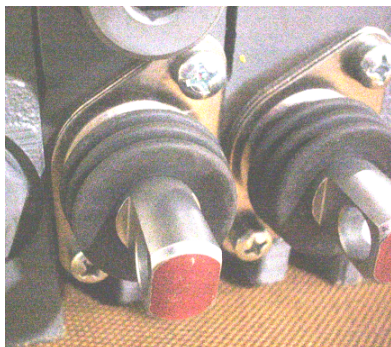
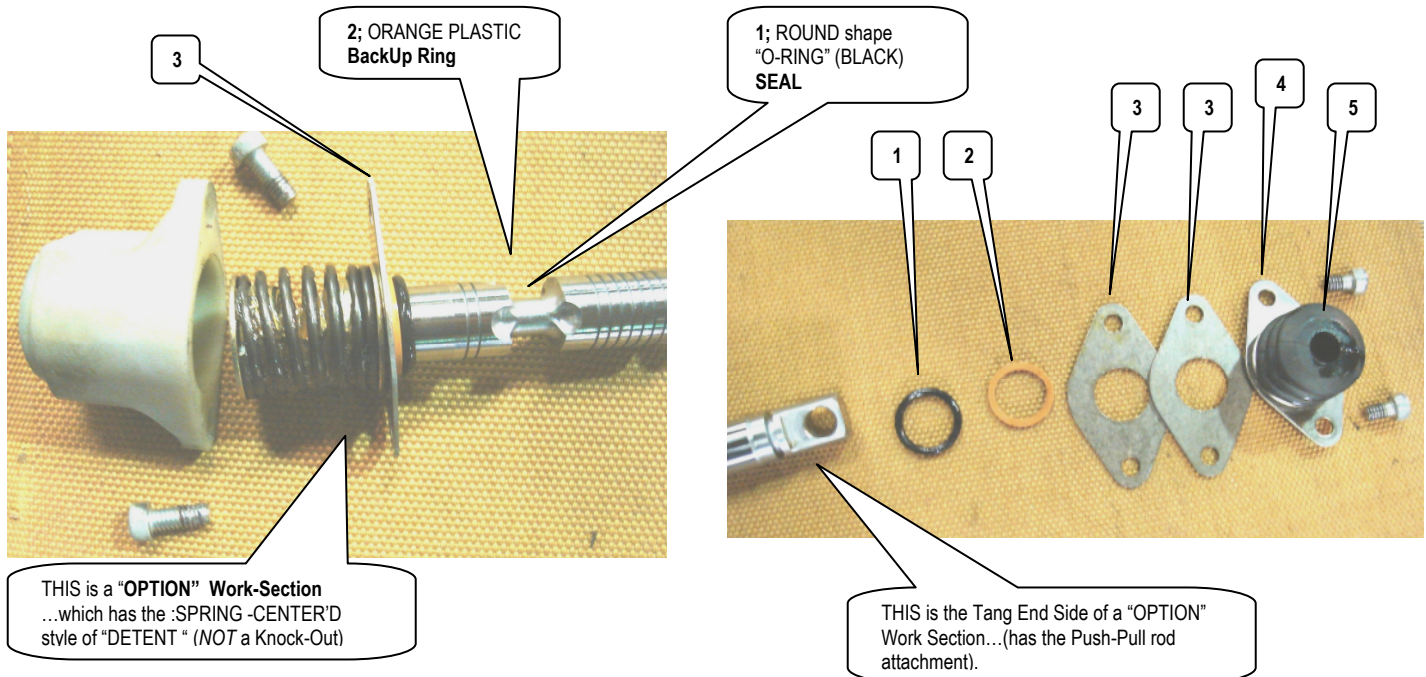
NOTE: these Seals are for Excel's VG35 **OPTION** Worksection.'s **only** (see sec 08 pgs 05 & 06 for the SealSystem for a KnockOut section)

NOTE: for LoadMasters...OPTION spool & worksection castings are ALWAYS "PARALLEL" work-section castings

NOTE: Seal Item#2 & #3 is ALSO used at spools "handle side" (side "opposite of shown here...SAME pair of seal & backup ring... at both ends of SPOOL of the OPTION worksection)

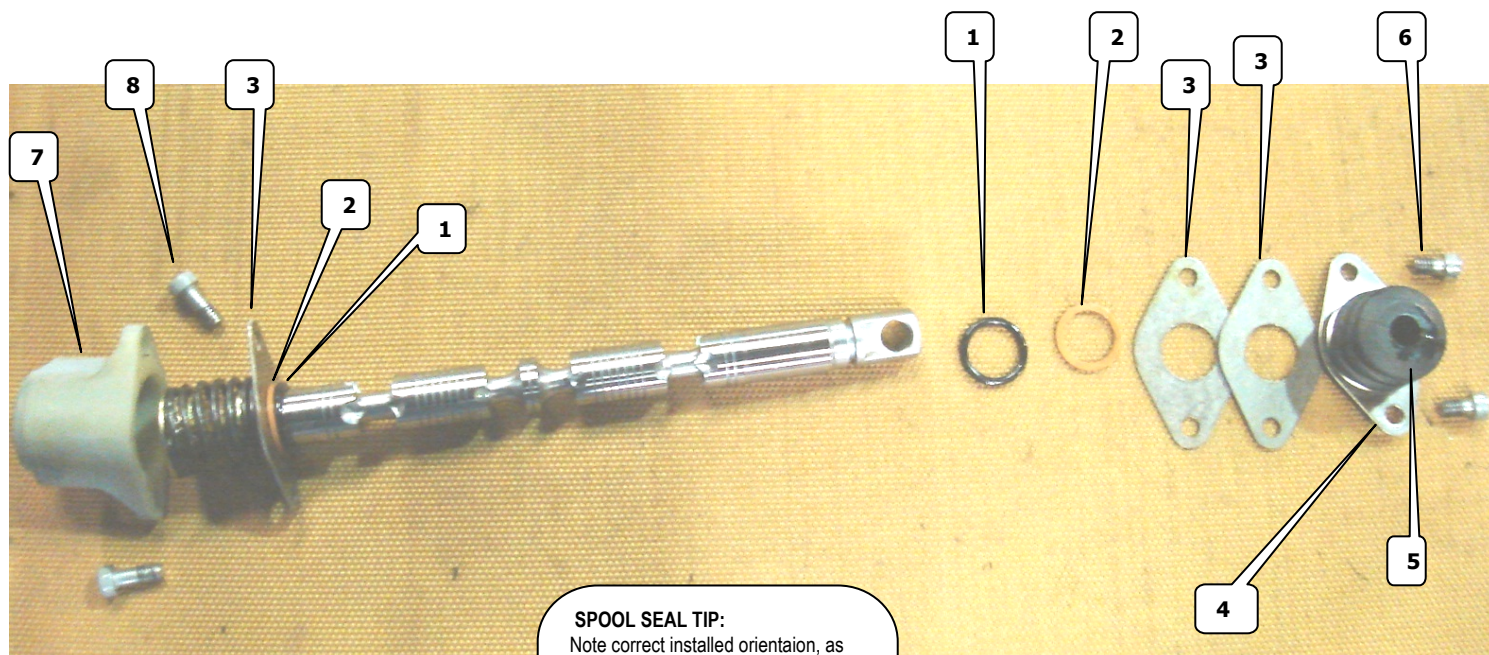
NOTE: A Option Worksection does NOT have the KnockOut Postioner..used for Winches/Rollbars/ Roof-Mtd Cable Reeveer/Cart Tippers etc etc... (See Sec08- Pgs 5 & 6 for Seals, etc for a KnockOut style of Work Section)

NOTE: Most OPTION Worksections will ALSO require Work Port Reliefs...see CHART at Sec12-Pg01 for a listing of !REQUIRED" port reliefs per exact type of OPTION (winch, Cart Tippers, Roll Bar etc etc have "different" Port Relief "settings").



VG35 "OPTION" WORK-SECTIONS...Spool Seals, etc

NO	Q	DESCRIPTION	PART NO
1	2	SPOOL SEAL <i>This "same" seal is at both ends of spool</i>	8800186
2	2	BACKUP RING (FOR SPOOL SEAL)	8800187
3	3	Seal RETAINER <i>2 req at tang-end & 1 req at detent-side</i>	8800188
4	1	Bellows Boot RETAINER <i>thin metal...holds boot from the outside</i>	8800799
5	1	BELLOWS BOOT <i>Thin metal; retains boot only</i>	8800798
6	2	FILLISTER SCREW (1/2" lg tang end)	8800800
7	1	Bonnet Cap- vented Option-section style	8800189
8	2	FILLISTER SCREW (3/4" long at bonnet)	8800190
9	-	"Universal" VG35 OPTION WorkSection <i>The Assy...has Casting, Spool, Detent...assembl'd</i> <i>Always a "Parallel" style of Casting for VG35:</i> <i>Has Plug'd WorkPort Device cavities...</i> <i><<See Chart on Pg 12-01 for Per Option devices!!></i>	8800730

**SPOOL SEAL TIP:**

Note correct installed orientaion, as imaged HERE

Soft rubber = do NOT roughly drag spool "lands" across seal...
Apply a bit of grease before slipping in the spool and be "carefull/gentle"
When installing Spool into Casting's Bore. <OR= install tang end spool AFTER the spool is slipp'd into worksection casting>

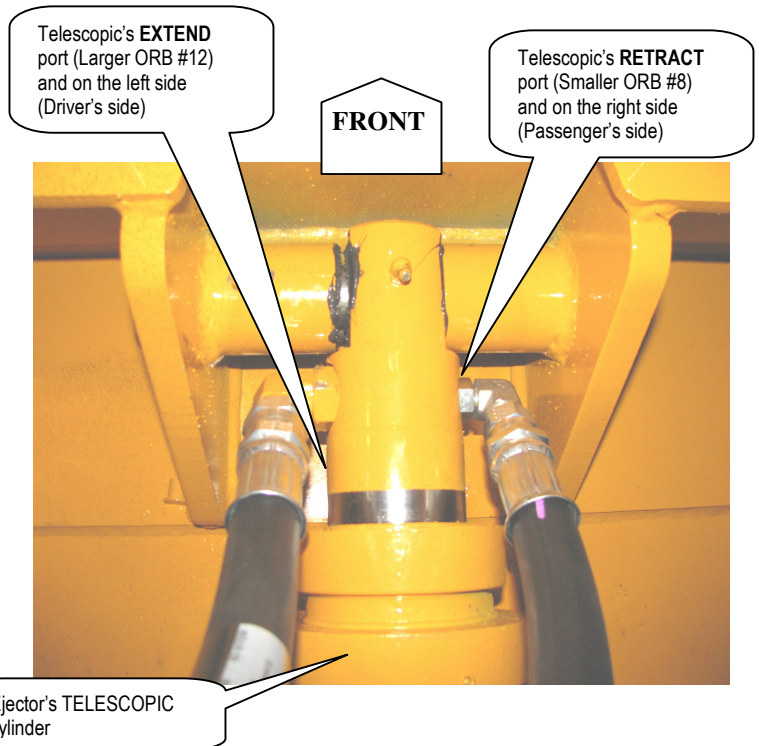
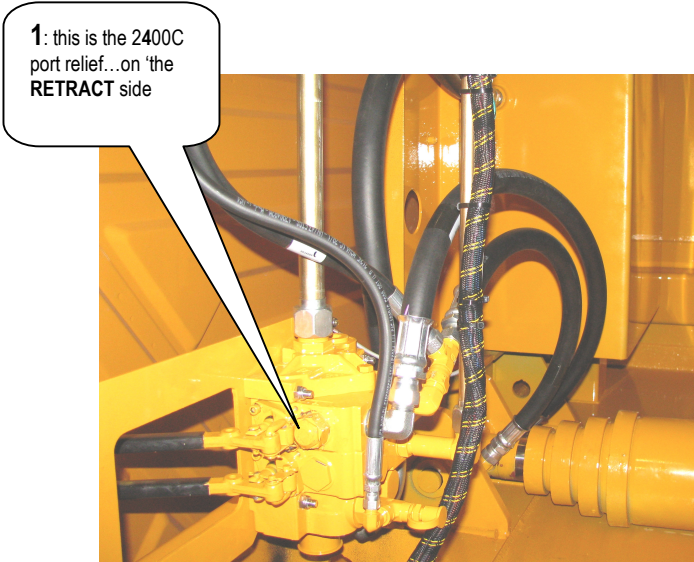
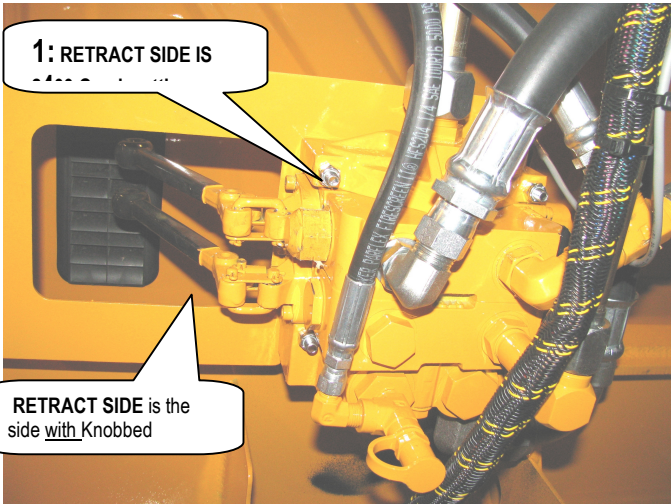
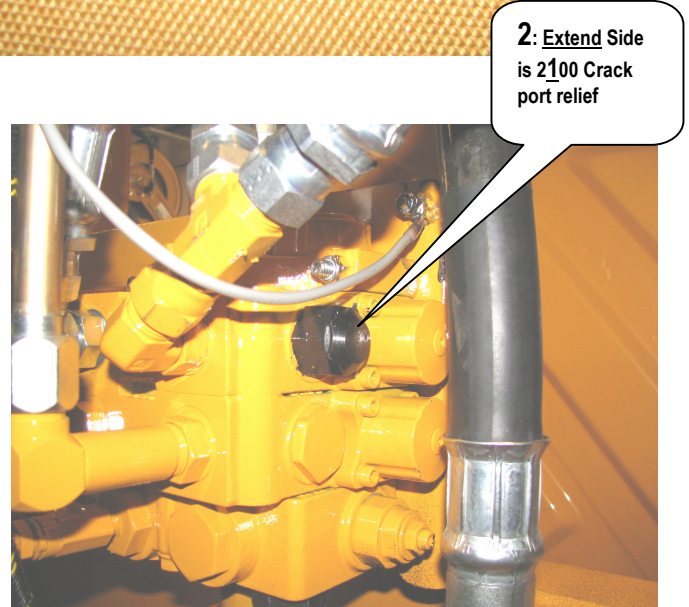
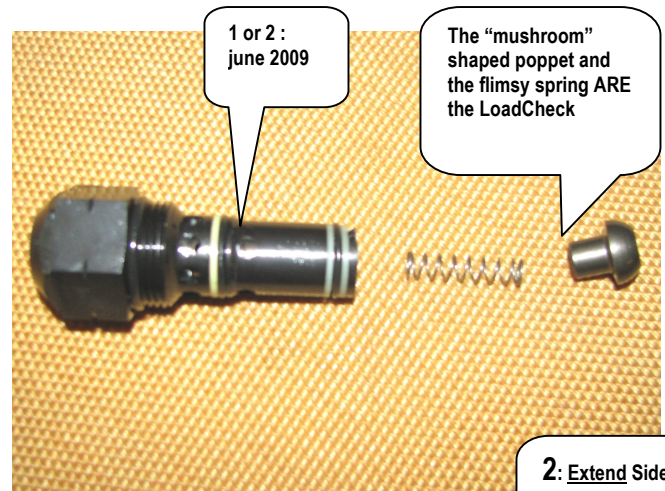
BODY-MOUNTED VALVE...EJECTOR WORKSECTION'S PORT RELIEFS

NO	Q	DESCRIPTION	PART NO
1	1	Port Relief- RC2400C !RETRACT only! <i>The 2400Crack port relief Must Be at the Tele's Retract workport...which is the side with the Knobbed Handles</i>	8800843
2	1	Port Relief-RC2100C !EXTEND only! <i>The 2100 Crack port relief Must Be at the Tele's Extend workport..which is the inboard side of the Body-Mounted Valve</i>	9932124

Note...Both of the above P/N's include a fresh LoadCheck and fresh Seals.

IMPORTANT TIP!...When removing ANY V20 style of WorkPort relief...the LoadCheck will NOT come out casting cavity...YOU MUST fishout the LoadCheck flimsy spring and mushroom shaped Poppet using Magnet Wand And/or hooking tools.

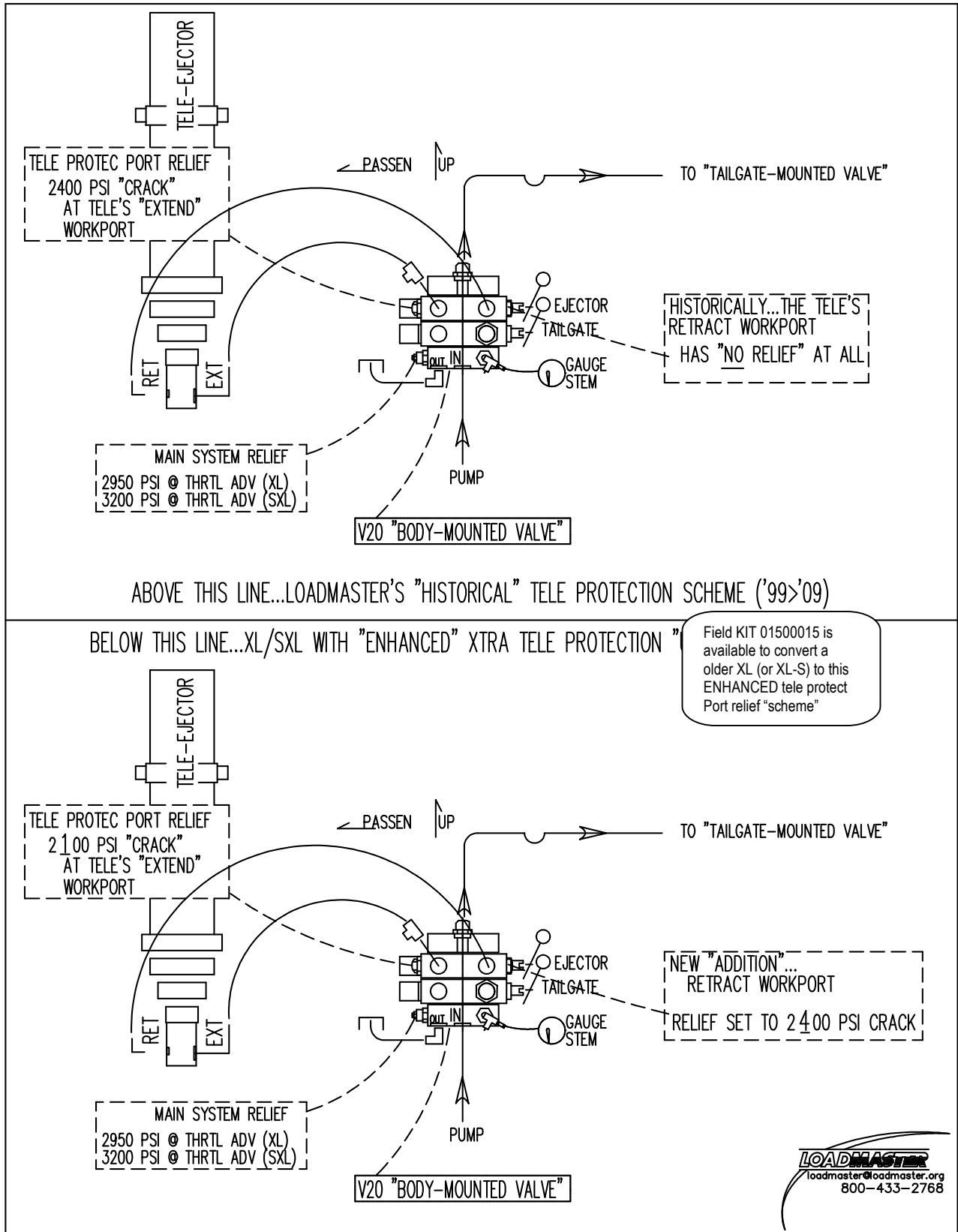
When RE-Installing...use axle grease to EMBED the LoadCheck to the Relief and then feed into (! Clean'd !) casting cavity as a sub-assembly.



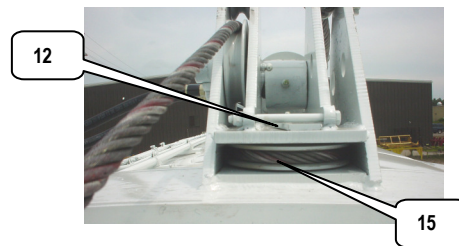
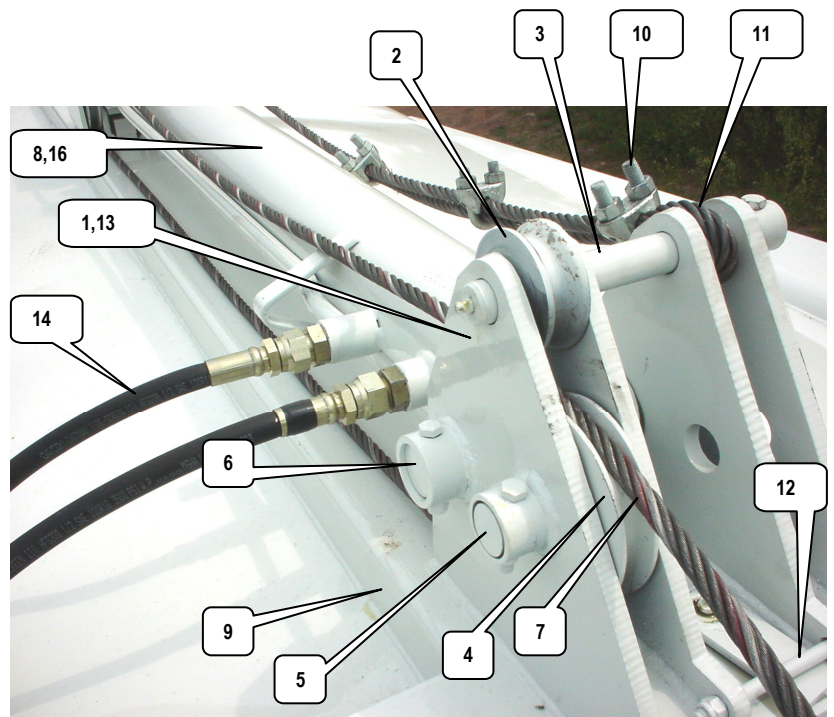
EJECTOR/ TELESCOPIC PORT RELIEF CONFIGURATION SCHEMATIC

Above half is 1999 thru may 2009 production

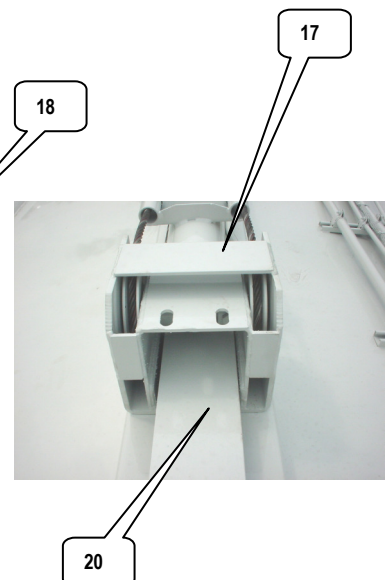
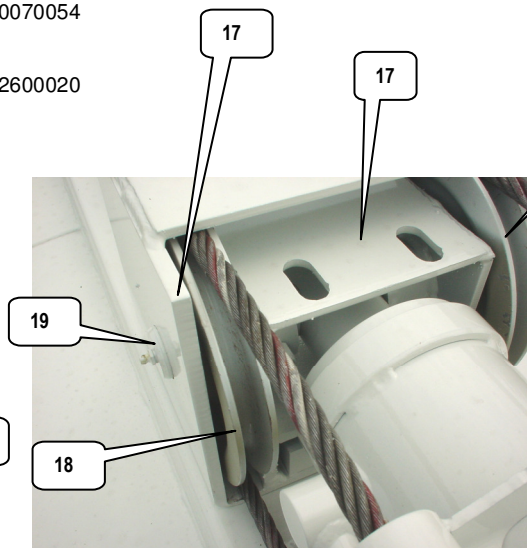
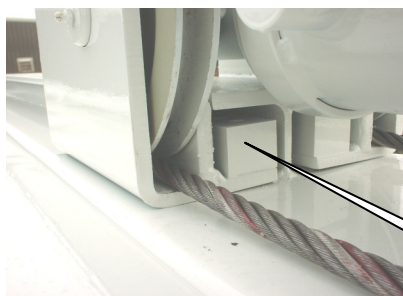
Lower halve is june '09 and later Production >> ENHANCED tele protection via alter'd Port Reliefs



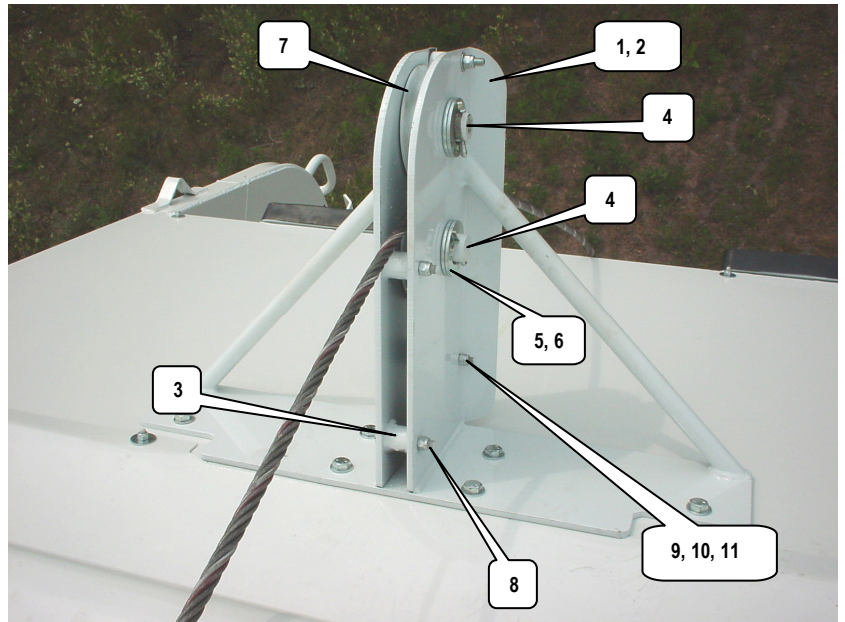
NO	Q	DESCRIPTION	PART NO
1	1	Rearward Sheave box Weld assy (Weldment "only" that welds to "channel")	0120635
2	1	3" Diameter Sheave	9960243
4	1	5" Diameter Sheave	9960074
3	1	Pin	0080227
5	1	Axle	0080226
6	1	Pin (for cylinder base-end)	0080228
7	1	Cable (1/2" x 52 foot...with "hook")	9960140
8	1	Hydraulic Cylinder (Petibone style) (This "style" has welded on barrel "guide eyes")	9937067
9	1	Main backbone Channel If Excel , then part no is If Legacy , then part no is	0031383 0030558
10	3	Wire Rope Clamp (aka..."clip") (See Maint Manual for correct/secure Installation)	9960041
11	1	Thimble (for 1/2" wire rope)	9960041
12	1	Pin weld assy (for laying flat sheave)	0120390
13	-	Rearward Sheave Box Sub assy (The weldment with its sheaves, pinning's, fasteners)	0120362
14	2	Hose Assy If Excel, 1/2" x 131" lg If Legacy3, 1/2" x 106" lg	9934174 9934192
15	1	Sheave- 6" diameter	9960066
16	-	Seal Kit for Hydraulic Cylinder 9937067	8800719



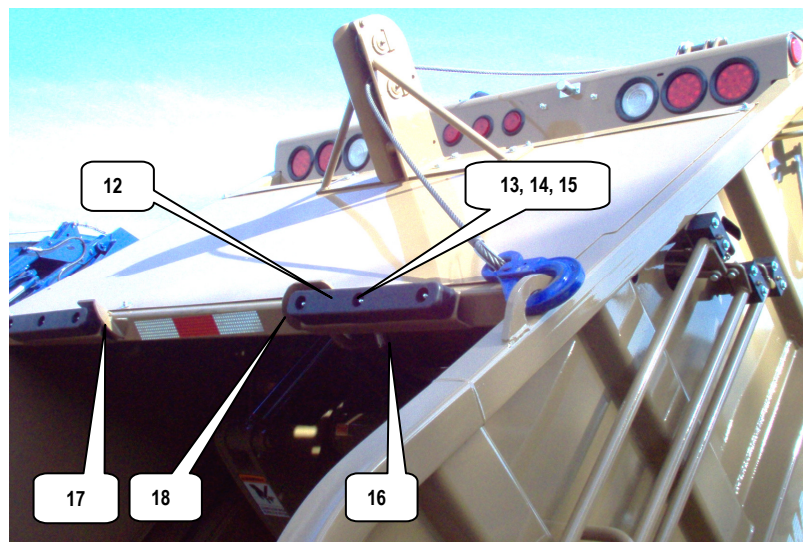
NO	Q	DESCRIPTION	PART NO
17	1	Sliding Sheave Block Weld assy	0120015
18	2	Sheave- 8" diameter	9960062
19	1	Main Pin (for "sliding" sheave block)	0080051
20	1	"T-bar" (This welds to "backbone" channel)	0070054
21	2	Polymer Wear Block	2600020



NO	Q	DESCRIPTION	PART NO
1	-	Cable guide Sub assy (includes sheaves, axles, et al)	0120338
2	1	Cable guide Weld assy {Weldment only}	0120636
3	4	Standoff	0060197
4	2	Axle pin	0120018
5	4	Flat washer (1 1/4")	9950112
6	2	Cotter pin (1/4" x 3")	9950211
7	2	Sheave- 5" diameter	9960074
8	4	Cap screw 7/16-14 x 2 1/2	9950657
9	6	Caps crew 1/2-13 x 2" lg.	9950705
10	6	Locknut 1/2-13	9950029
11	12	Flat washer 1/2	9950105

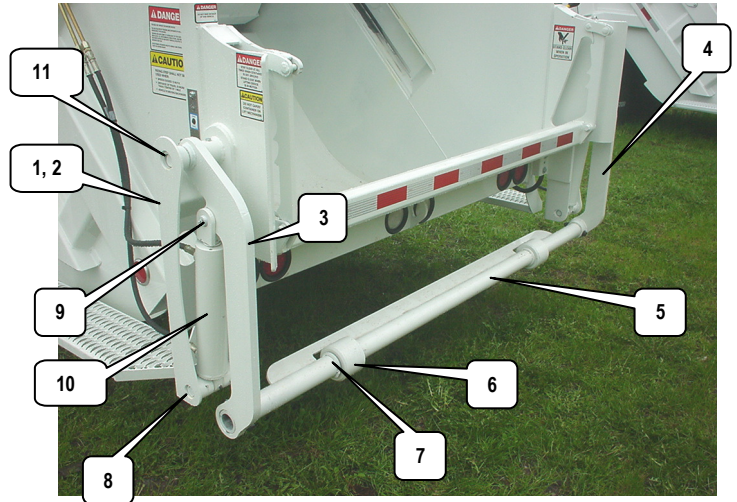


NO	Q	DESCRIPTION	PART NO
12	2	Rubber Bumper	9960078
13	6	Cap screw - 3/8UNC x 1 3/4" lg	9950624
14	6	Flat washer- 3/8	9950103
15	6	Free spin Nut 3/8 UNC	9950003
16	2	Bumper Mount Bracket (Welds to gate shell)	0021501
17	1	Bumper Protection Clip LH driver's side	0031544
18	1	Bumper Protection Clip RH curb side	0031545

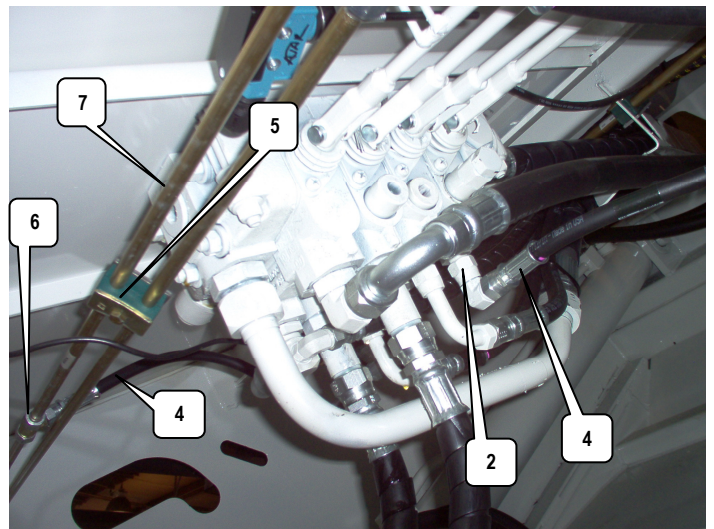
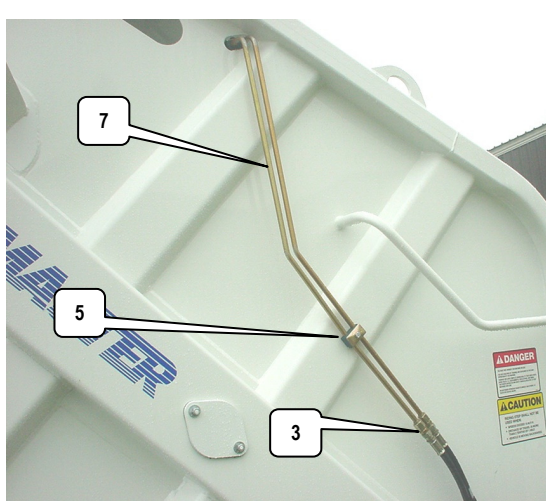
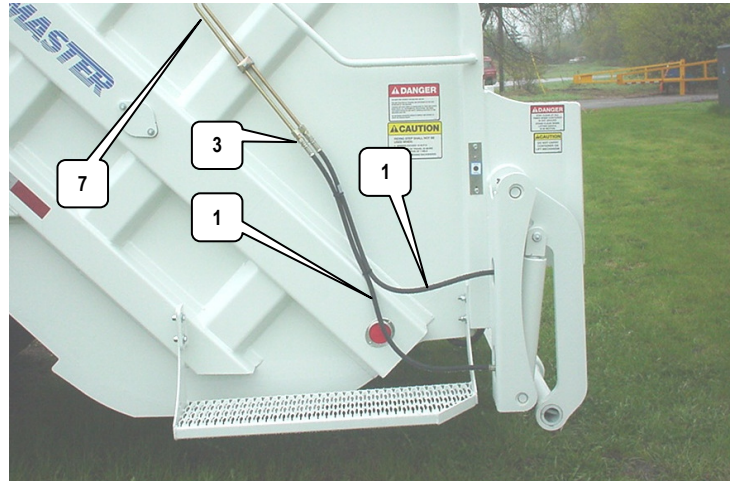


CLEAR-STEP ROLLBAR OPTION

NO	Q	DESCRIPTION	PART NO
1	1	Static Frame Weld assy –driver's side	0120383
2	1	Static Frame Weld assy-passenger side	0120384
3	1	Kick Arm weld assy-driver's side	0120625
4	1	Kick arm weld assy- passenger side	0120626
5	1	Kick Tube weld assy (both XL & lcy3) (This assy includes the retained poly rollers)	0120200
6	2	Poly roller (Only the polymer "roller")	2600033
7	4	Poly roller's Retainer Collars (weld-on)	0050026
8	2	Cylinder Pin (lower @ cylinder base-end)	0080235
9	2	Cylinder Pin (upper @ cylinder rod-side)	0080234
10	2	Cylinder (for clear step roll bar option) Seal kit for Roll bar Cylinder (complete)	9937070 8800613
11	2	Main Pivot Pin	0080233

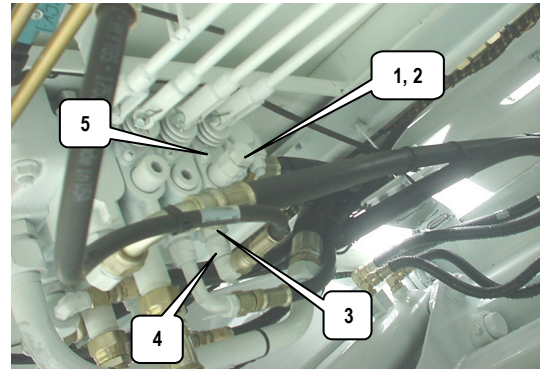
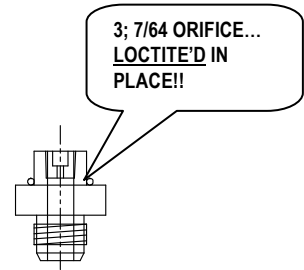
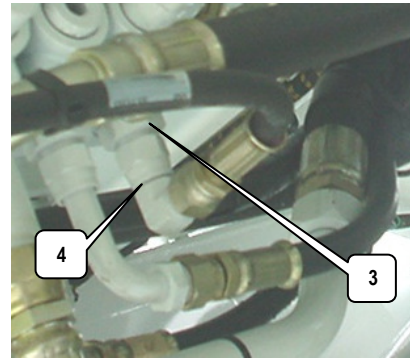
**CLEAR-STEP ROLLBAR HYDRAULICS (EXCEL STYLE)**

NO	Q	DESCRIPTION	PART NO
1	4	Hose Assy ½" x 38" OAL (Upper & lower cylinder port for EXCEL are "same" hose)	9934229
2	2	90 Degree Adapter- #10JIC FMS x #10 JIC male	9933075
3	4	Union Adapter- #8 JIC x #8 JIC	9933002
4	2	Hose Assy.- 3/8" x 28" OAL	9934227
5	5	Tube Clamp (twin ½")	9960273
6	2	Tee #8 JIC male x male x male	9933011
7	1	½" OD Tube Assy.- Long leg LH	9930257
	1	½" OD Tube Assy.- Long leg RH	9930258
	1	½" OD Tube Assy.- Short leg LH	9930261
	1	½" OD Tube Assy.- Short leg RH	9930262

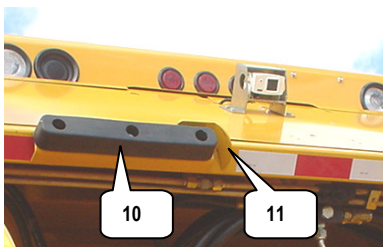
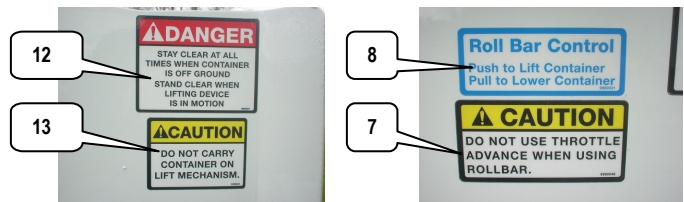
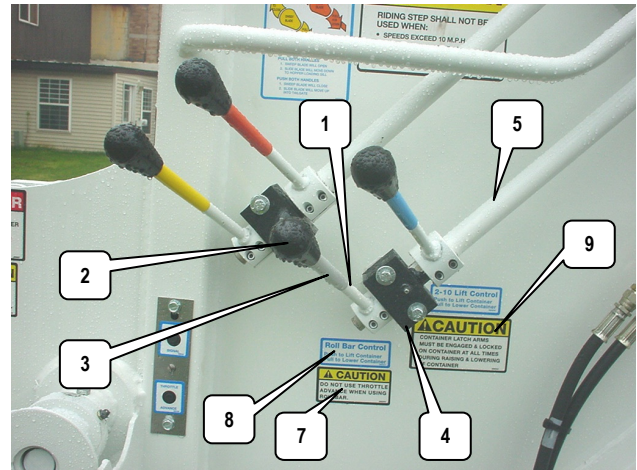


CLEAR-STEP ROLLBAR HYDRAULICS- EXCEL

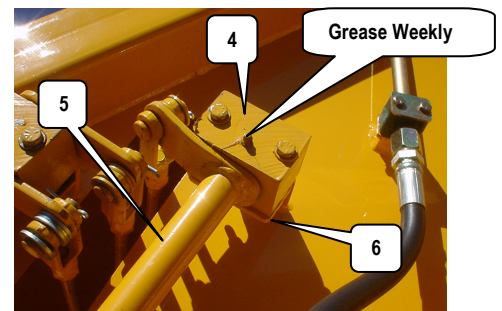
NO	Q	DESCRIPTION	PART NO
1	1	Port relief...Vg35 style @ 1800psi "crack" (1800 psi must be in "UP" work port cavity)	9932081
2	1	Port Relief....Vg35 style @ 700psi "crack" (700 PSI must be in "DOWN" work port cavity)	9932090
3	2	Orifice Fitting VG35 style @ 7/64" orifice (Controls up + down "speed"... mandatory)	0120628
4	2	90 Degree Adapter- #10 JIC FMS x #10 JIC male	9933075
5	1	Vg35 Universal Option Work Section (<u>not</u> knockout) <i>Universal</i> ; 4-way; spring-centered; PARALLEL (for Vg35's... <i>all</i> Vg35 <u>option</u> sections are PARALLEL) !!Does not include port reliefs... order correct PORT RELIEFS separately!!	8800730

**CLEAR-STEP ROLLBAR MECHANICAL LINKAGES, LABELS**

NO	Q	DESCRIPTION	PART NO
1	1	Lever Arm Weld assy for "shaft" (3/4" clamp bore)	0101205
		Lever Arm Weld assy for "tubular" (1 1/8" bore)	0101204
2	1	Tapered phenolic Knob	9960221
3	1	<u>Gray</u> color-code Sleeve (Roll Bar "color")	9960225
4	2	Polymer Bearing Block (w/ steel bolting sleeves) Press in ZERK is p/n 9950276	0101160
5	1	Tubular Control weld assy- EXCEL "length"	0101176
		Shafting Control Weld Assy- EXCEL	0101177
6	2	Welded-on bearing block Mount Ell bracket Uppermost Lower	0020967 0020968
7	1	Caution Decal..."Do not use throttle..."	9980046
8	1	Info Decal..."Roll Bar Control..."	9980031
9	1	Caution Decal..."Container Latch Arms..." Latch BOTH arms before raising a "can" !!	9980033
10	2	Rubber Can Stop-Blocks	9960078
11	2	Cable Protection Clip LH	0031544
		Cable Protection Clip RH	0031545
12	2	DECAL... DANGER ...stay clear at all...	9980027
13	2	DECAL... CAUTION ...do not carry...	9980028



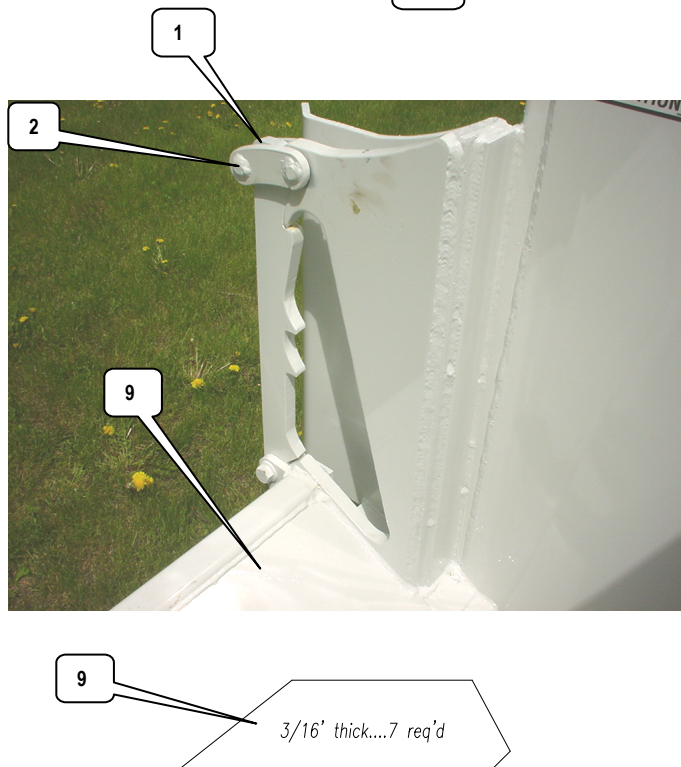
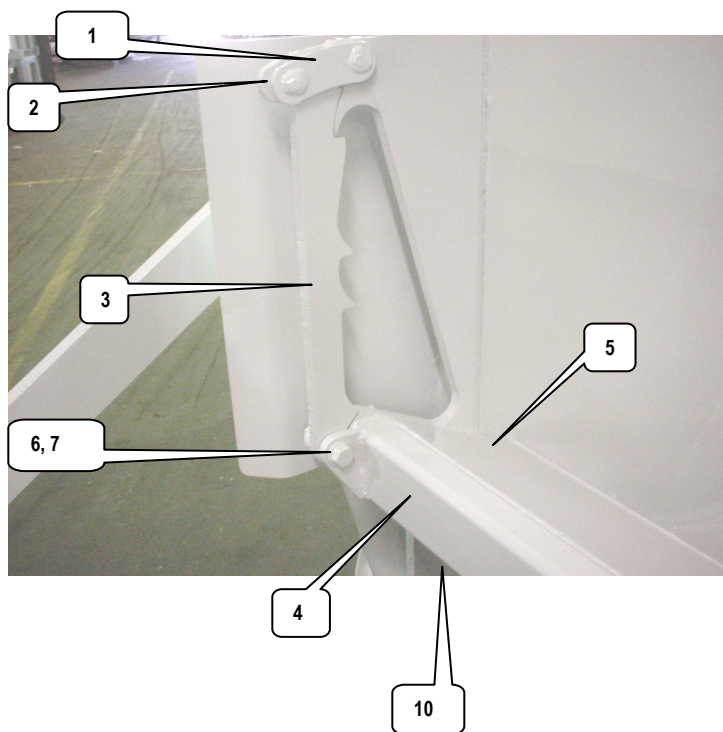
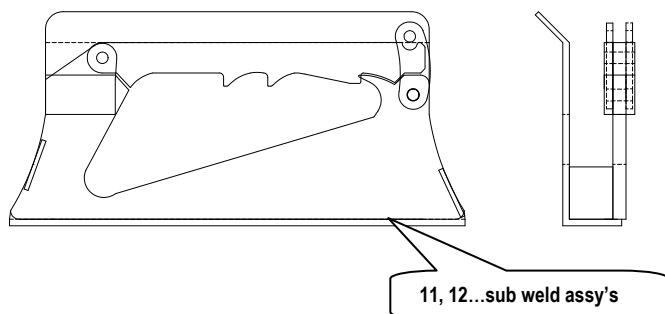
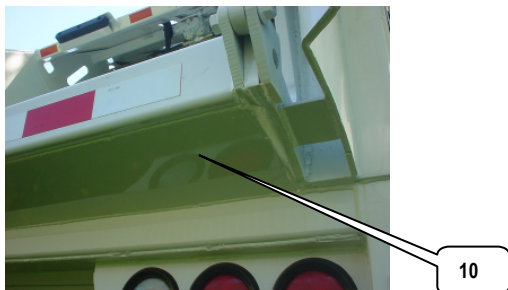
<See also "Adjustable Can Roll stop Opt">



"VERSALATCH" CAN COUPLER ON EXCEL

NO	Q	DESCRIPTION	PART NO
1	4	Arched Clip (only)	0031452
2	4	Pin only (for arched clip)	0080058
3	2	Latching Arm only (burned w/ "shark's teeth")	0031449
ALWAYS...Latch up BOTH latch arms before lifting a can!!			
4	1	Sill Tube... EXCEL "length"	0060356
5	1	Sloping Fill Sheet... EXCEL "style"	0021540
6	2	Pivot Bolt- 5/8"UNC x 2 1/2" long flange head (G8)	9950756
7	2	Self Locking Hex Nut (for pivot bolt)	9950049
8		(2 needed to suit EXCEL's 80" wide hopper)	
9	5	Reinforcing Gussets (you can't see them here...they are equal-spaced between the EXCEL's main sill and the versa latches "secondary/ higher" 2x4 sill...necessary "structure")	0021432
10	1	Underside Fill Panel...EXCEL style lightweight "cosmetic" fill sheet that "closes-off" the under sill structure for a clean appearance	0021418
11	1	Versa latch Couplers' Rightside (passen) Weld assy	0120401
12	1	Versa latch Couplers' Leftside (driver) Weld assy (See the 2-d line drawing below for what is Included in <i>these</i> part no's...)	0120402

If you wish to "field-install" an entire Versa latch Kit...contact Loadmaster for a "Kit" that includes all that you will need for your **EXCEL** by ordering one Part Number...be sure to tell us *what model* Loadmaster you are working on.



"CAN STOP" OPTION....ADJUSTABLE LOCATION STYLE

NO	Q	DESCRIPTION	PART NO
1	-	Entire Kit (field installable) for EXCEL	2211030

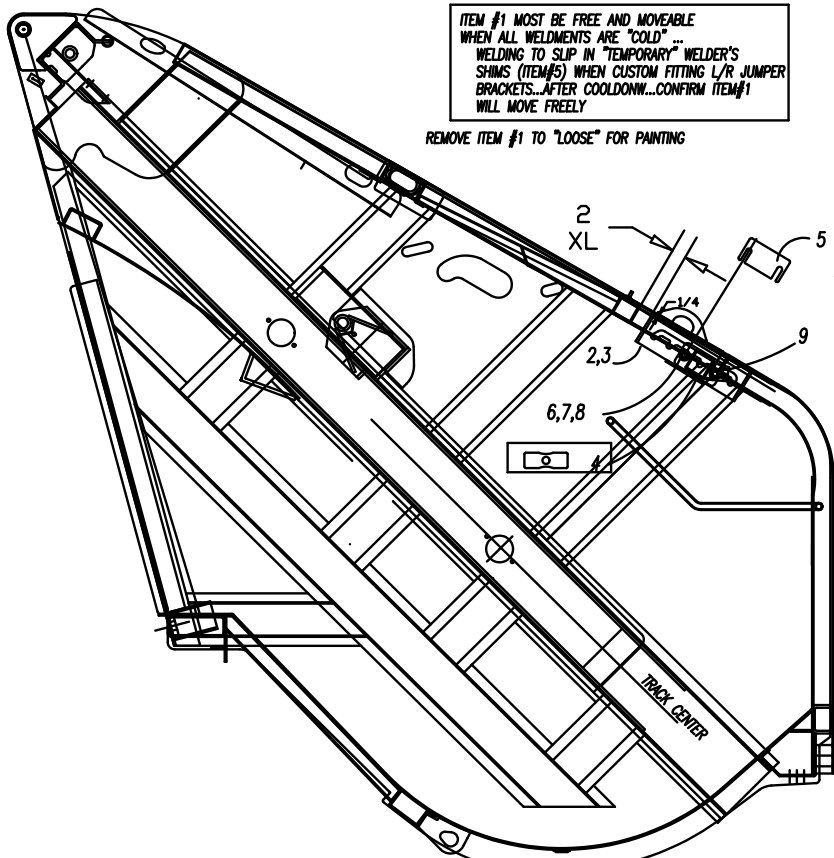
See Below For Part Numbers Needed For Assembly To The Tailgate.



* IF A "FIELD INSTALL"...DO NOT USE ITEM #4

ITEM #1 MUST BE FREE AND MOVEABLE WHEN ALL WELDMENTS ARE "COLD"... WELDING TO SLIP IN "TEMPORARY" WELDER'S SHIMS (ITEM#5) WHEN CUSTOM FITTING L/R JUMPER BRACKETS...AFTER COOLDOWN...CONFIRM ITEM#1 WILL MOVE FREELY

REMOVE ITEM #1 TO "LOOSE" FOR PAINTING



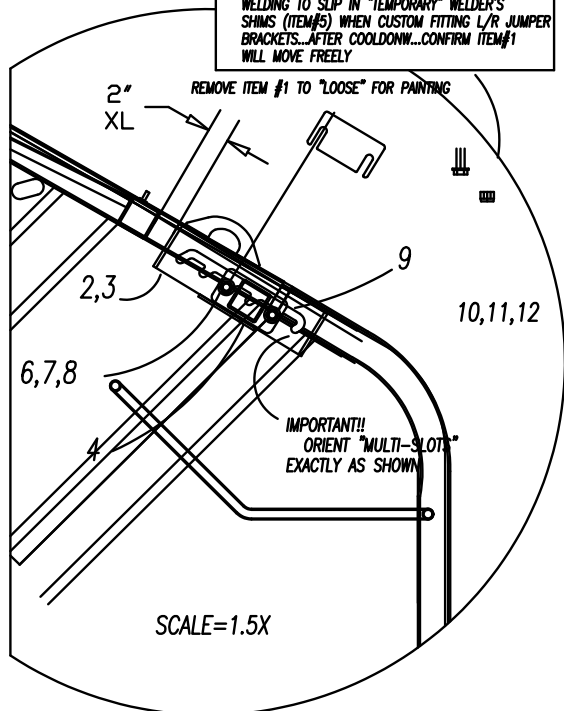
CAN "ADJUST" POSITION BY SIMPLY LOOSENING BOLTS AND "JUMPING" TO CHOSEN NEW LOCATION...THEN RE-TIGHT BOLTS

XL

ITEM	REQ	DESCRIPTION	PART NO.
1	1	ROLLSTOP CROSSTUBE WELDASSY-XL	0120716
2	1	JUMPER BRACKET-LH	0031664
3	1	JUMPER BRACKET-RH	0031665
4	2	REINFORCER-JUMPER LOWER EDGE	0031662
5	2	WELDER'S LOOSENING TEMPORARY SHIM	0021652
6	4	FLANGED BOLT- 5/8" UNC X 1 3/4" LG	9950755
7	4	5/8" FLATWASHER	9950107
8	4	5/8" UNC NYLOCK HEX NUT	9950031
9	2	WAMPLER RUBBER STOPBLOCK	9960078
10	6	3/8"UNC HHCS X 1 3/4" LG-GS	9950624
11	12	3/8" FLATWASHER	9950103
12	6	3/8" UNC HEXNUT (FREE SPINNING)	9950003

ITEM #1 MUST BE FREE AND MOVEABLE WHEN ALL WELDMENTS ARE "COLD"... WELDING TO SLIP IN "TEMPORARY" WELDER'S SHIMS (ITEM#5) WHEN CUSTOM FITTING L/R JUMPER BRACKETS...AFTER COOLDOWN...CONFIRM ITEM#1 WILL MOVE FREELY

REMOVE ITEM #1 TO "LOOSE" FOR PAINTING

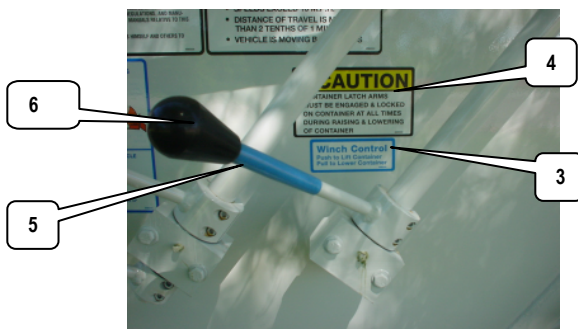
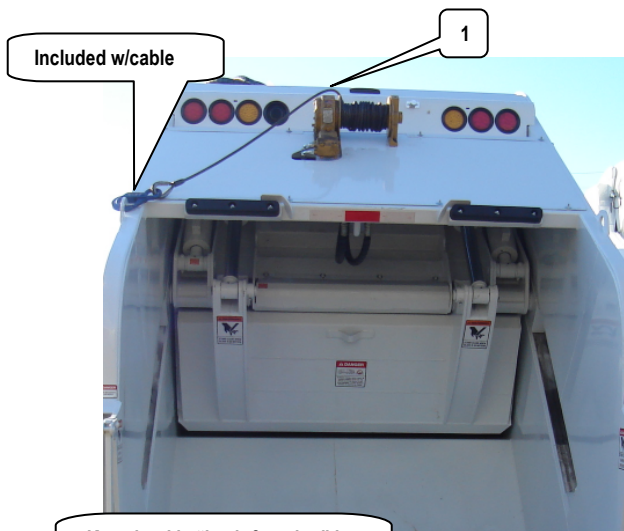


IMPORTANT!! ORIENT "MULTI-SLOT" EXACTLY AS SHOWN

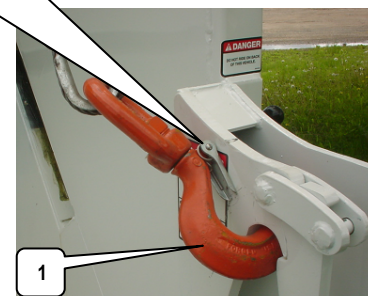
SCALE=1.5X

WINCH OPTION...CABLES AND HOOKS

NO	Q	DESCRIPTION	PART NO
1	-	8K & 12,000 lb winch Cable Assy... 1/2" x 36 feet (Same cable assy used for "Both" winch ratings)	9960156
		If "replacing" a worn out Cable...be sure to "wrap" In the Direction shown in the Manual...this assures the "high-loads" are directed into worm drive's Thrust Bearing (and <u>not</u> the Hydraulic Motor) !!!! See your Winch Manual	
3	1	Decal..."winch control....."	9980029
4	1	Decal..."caution container latch arms"....	9980033
5	1	Blue vinyl "color-code" sleeve	9960224
6	-	Taper phenolic Knob	9960221
7			

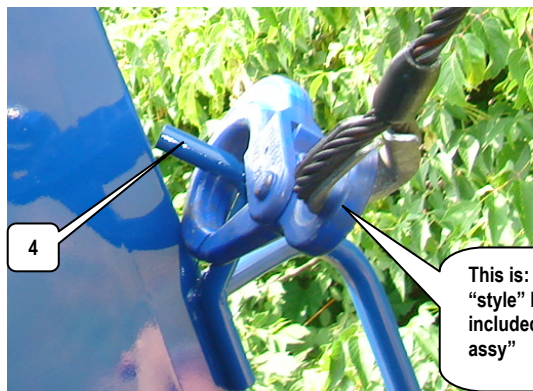


Keep hook's "latch & spring" in
EXCELLENT working condition

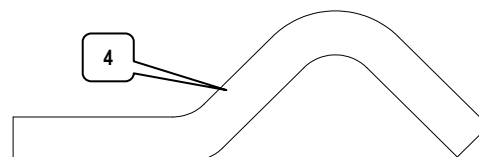
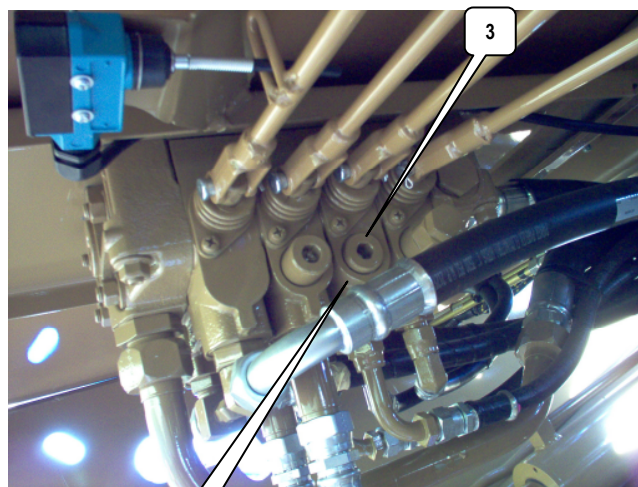


WINCH OPTION...HYDRAULICS

NO	Q	DESCRIPTION	PART NO
1	1	VG-35 valve spooled OPTION Work Section <i>Universal; 4-way; spring centered; PARALLEL</i>	8800730
2	-	VG-35 Section seal kit (per section) If you are "field-installing" a VG35 work section... Always order at least <u>one</u> section seal kit and order the correct Tie Bolt Kit per section "count"	8800716
3	1	VG-35 style Port Relief 1800psi "crack" Must be installed at winch's UP work port (for structure-protection and winch durability) Winch does <u>not</u> use a "down" relief Winch does not have any flow "restrictors"	9932081
4	1	Cable Hook Holder – Peg Style	0080229

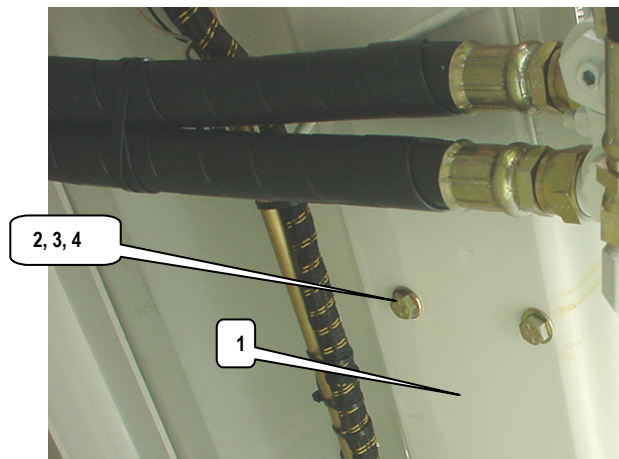


This is: Standard Hook
"style" beginning 2005;
included with "Cable
assy"

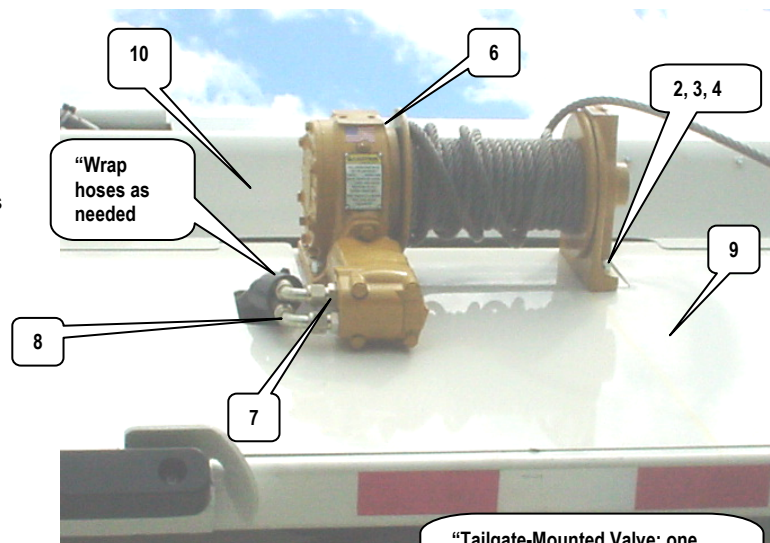


WINCH OPTION...UNDER STRUCTURE

NO	Q	DESCRIPTION	PART NO
1	1	Winch Mounting Crossing Beam ... <i>EXCEL</i> style A thick-walled rectangular tube that structurally "anchors" the winch to tailgate shell <<WILL be welded into gateshell at factory>>	0060304
2	6	Grade 8 cap screw... 1/2" UNC x 4 1/2" lg	9950716
3	6	Grade C TopLok hex nut 1/2" UNC	9950062
4	6	Thru Hard Flat washers 1/2"	9950138
5	Q	<i>Hard washer is Located at "head" of cap screw</i>	

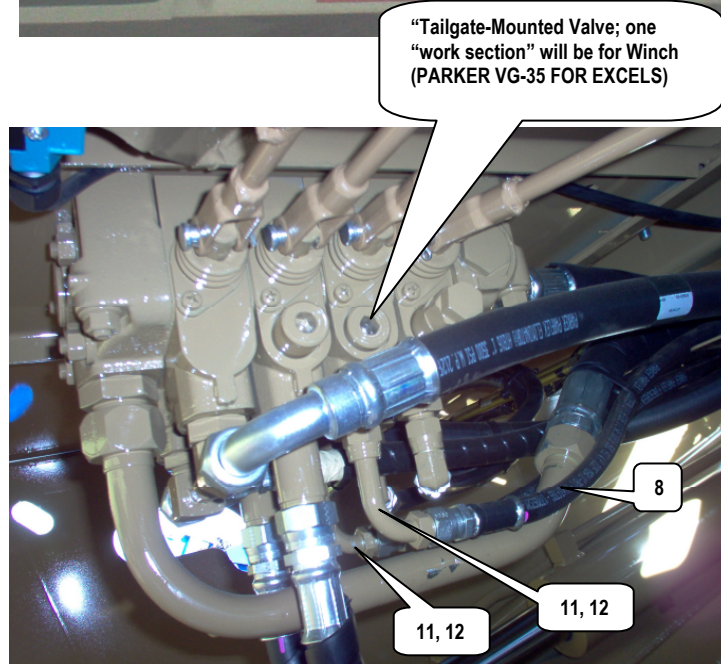
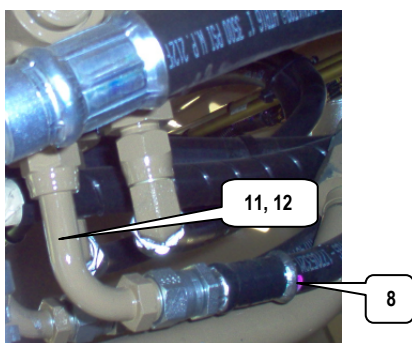
**WINCH OPTION...**

NO	Q	DESCRIPTION	PART NO
6	1	Winch (itself)...per "specified" line-pull 8,000 lb line pull 12,000 lb line pull	9960001 9960142
		Will <i>not</i> include the cable assy	
		Note: Loadmaster will have shipped, with your EXCEL , the Winch Supplier's Manuals for Operation & Parts... READ & SAVE THEM ...Read winch's data TAG when ordering parts.	
7	2	Adapter fitting- straight #10 ORB x #10 JIC At the winch motor ports	9933022
8	2	Hose Assy- EXCEL style Winch motor to/from valve work section	9934174
9	1	Sheet metal cover EXCEL style (galvanneal steel) Has winch's hose passage holes...available and painted per your "color-number").	0021559
10	-	Upper Light Pod weld assy- EXCEL style The winch is compatible with "standard" "Upper light POD", nothing "special" for winch needed.	0101319



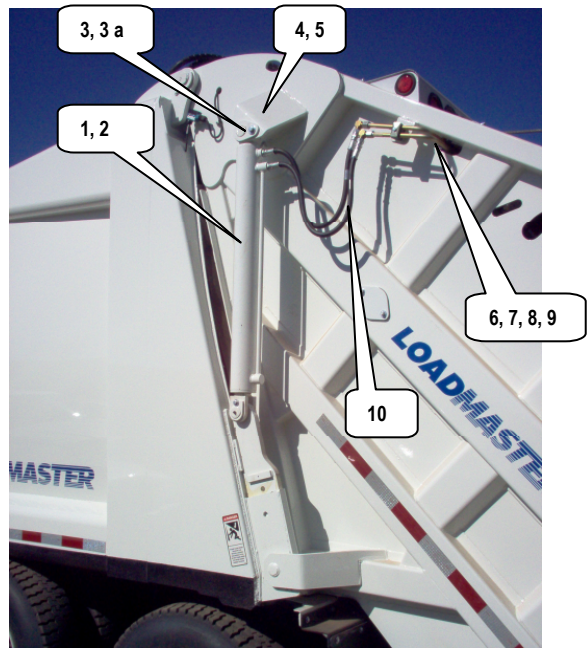
11	1	90 degree Adapter...#10 JIC FMS x #10 JIC	9933075
	1	Straight Adapter...#10 ORB x #10 JIC At valve work port...on passenger side	9933022
12	1	90 degree Adapter #10 ORB x #10 JIC."STD" height Is located at work port on... driver's side	9933036
13	1	Port Relief- VG-35 (set to 1800 psi crack Must be installed in winch "up" port	9932081

Note: winches do **NOT** use speed-controlling orifices (un-restricted flow)
Winches do use an **1800psi "crack" port relief** in the **UP** port
(Mandatory for structure protection and winch durability)



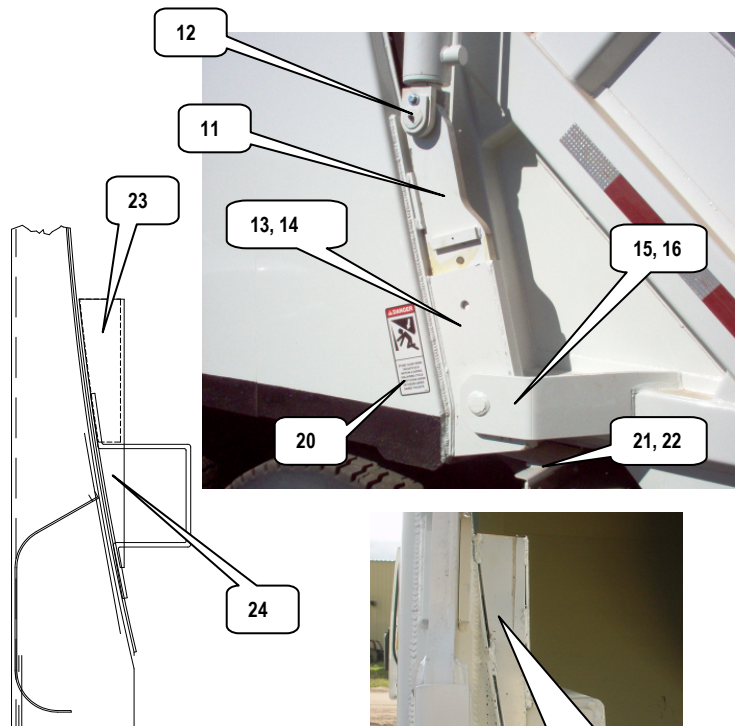
AUTOMATIC TAILGATE LATCH OPTION (AKA...AUTOLOKS)

NO	Q	DESCRIPTION	PART NO
1	2	Hydraulic Cylinder	9937066
2	—	Seal Kit for above cylinder (per cyl)	9937066-40
3	1	Pin Weld assy (uppermost)	0100226
3a	1	Pin Weld assy (uppermost)	0100227
4	1	Upper cyl pin Mount Weld assy (driver's)	0100224
5	1	Upper cyl pin Mount Weld assy (passenger)	0100225
6	1	Tube Assy (long tube)	9930235
7	1	Tube Assy (short tube)	9930236
8	1	Tube Assy (4" leg x 65" crossing)	9930189
9	1	Tube Assy (4" leg x 25 1/2" crossing)	9930190
10	4	Hose 1/2" x 36" long	9934197



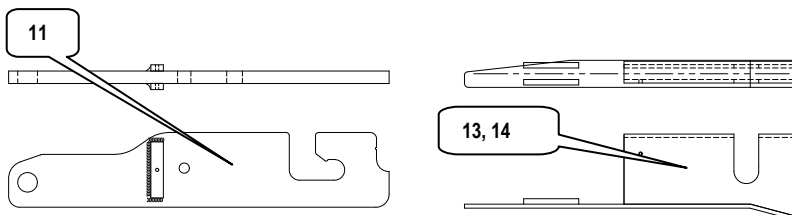
AUTOMATIC TAILGATE LOCKS OPTION

NO	Q	DESCRIPTION	PART NO
11	1	Autolock Lock Bar Weldmont (LH) (RH)	0100221
12	2	Lower Cylinder Pin Assy.	0102325
13	1	Lock Box weldment (LH)	0100222
14	1	Lock Box weldment (RH)	0100223
15	1	Gate Latch Pin weld assy (LH)	0101361
16	1	Gate Latch Pin weld assy (RH)	0101362
17	2	Tailgate Lock Pin (AutoLock Opt)	9960288
18	2	Tailgate Lock Chain (11" long) (AutoLock Opt)	9960278
<i>Items 17 & 18 are not usually necessary and are NOT installed at factory; they are "bagged" and shipped "in cab" (save "in-case" needed later)</i>			
19	2	Tailgate Lock Pin Decal	9980074
20	2	Danger Decal..."danger... stand clear"	9980018
21	1	Mudstopper - XL Autolocks (LH)	0021731
22	1	Mudstopper - XL Autolocks (RH)	0021732
23	2	Seal Path Planer	0021602
24	2	Body Seal Backer	0021360



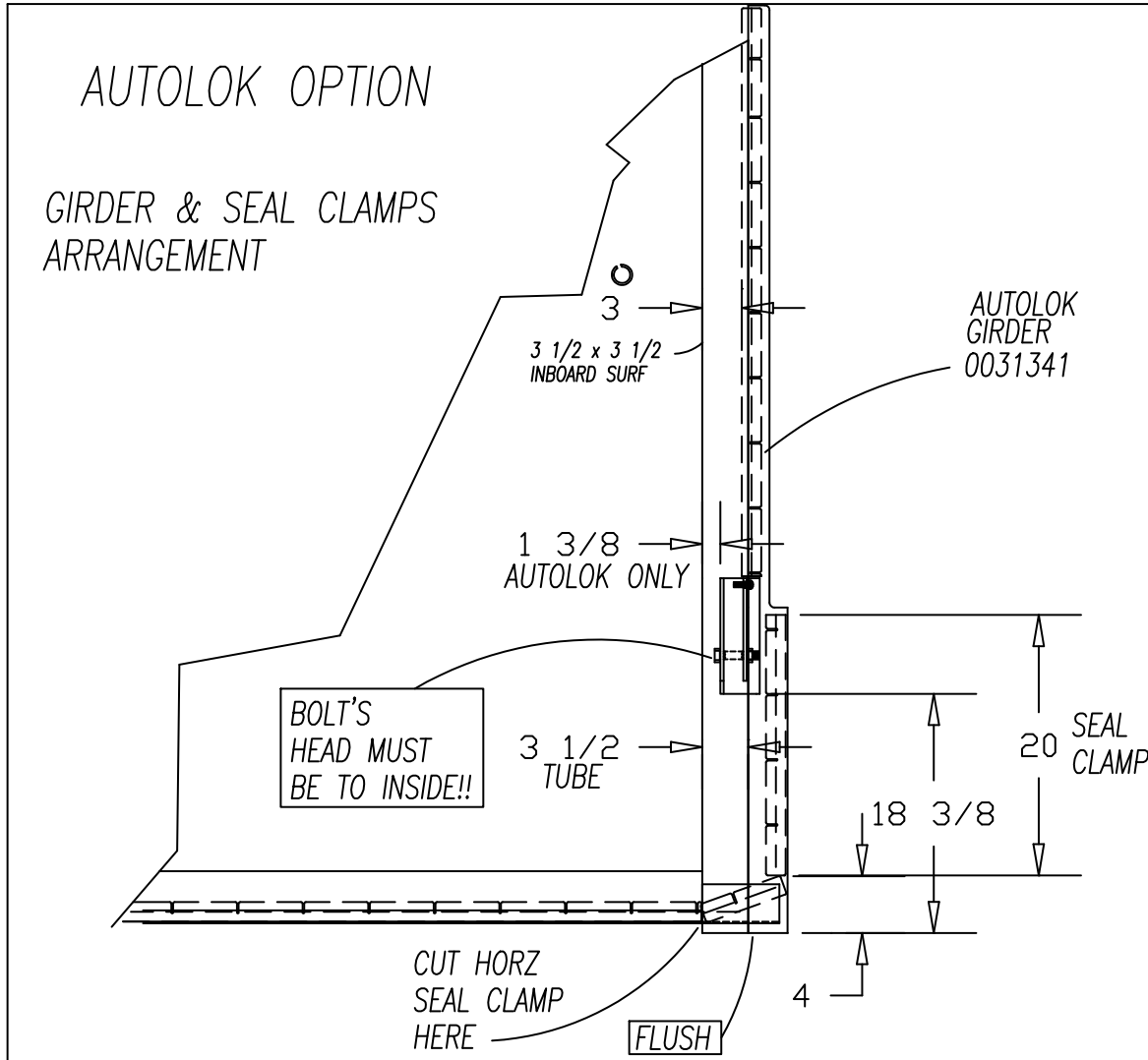
EXCEL's ordered with Automatic Lock "option" will have a 4-way Double-acting Gate work section in the Body-Mounted Valve. This is power up and "gravity" down (with two roof tube runs).

EXCEL's ordered with "standard" turnbuckles style gate latches will have a 3-way single-acting Gate work section in the Body-Mounted Valve. This is power up and "gravity" down (with one roof tube run).



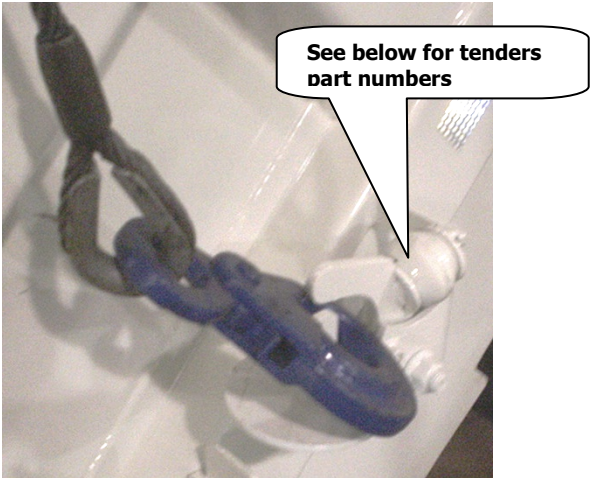
AUTOLOKS OPTION – Gate Seal Configuration

NO	Q	DESCRIPTION	PART NO
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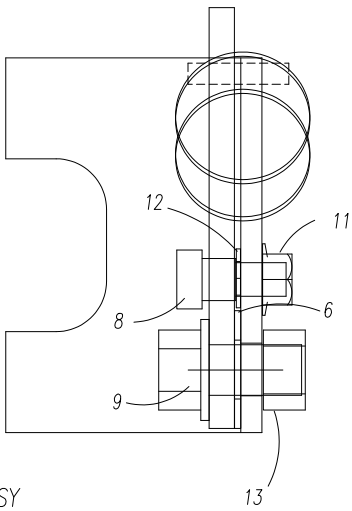
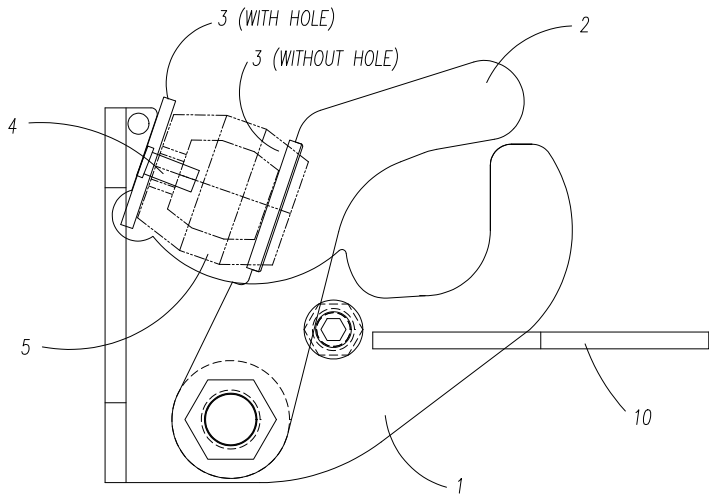
HOOK "TENDER" option, "stores" the cable's HOOK

NO	Q	DESCRIPTION	PART NO.
See below			



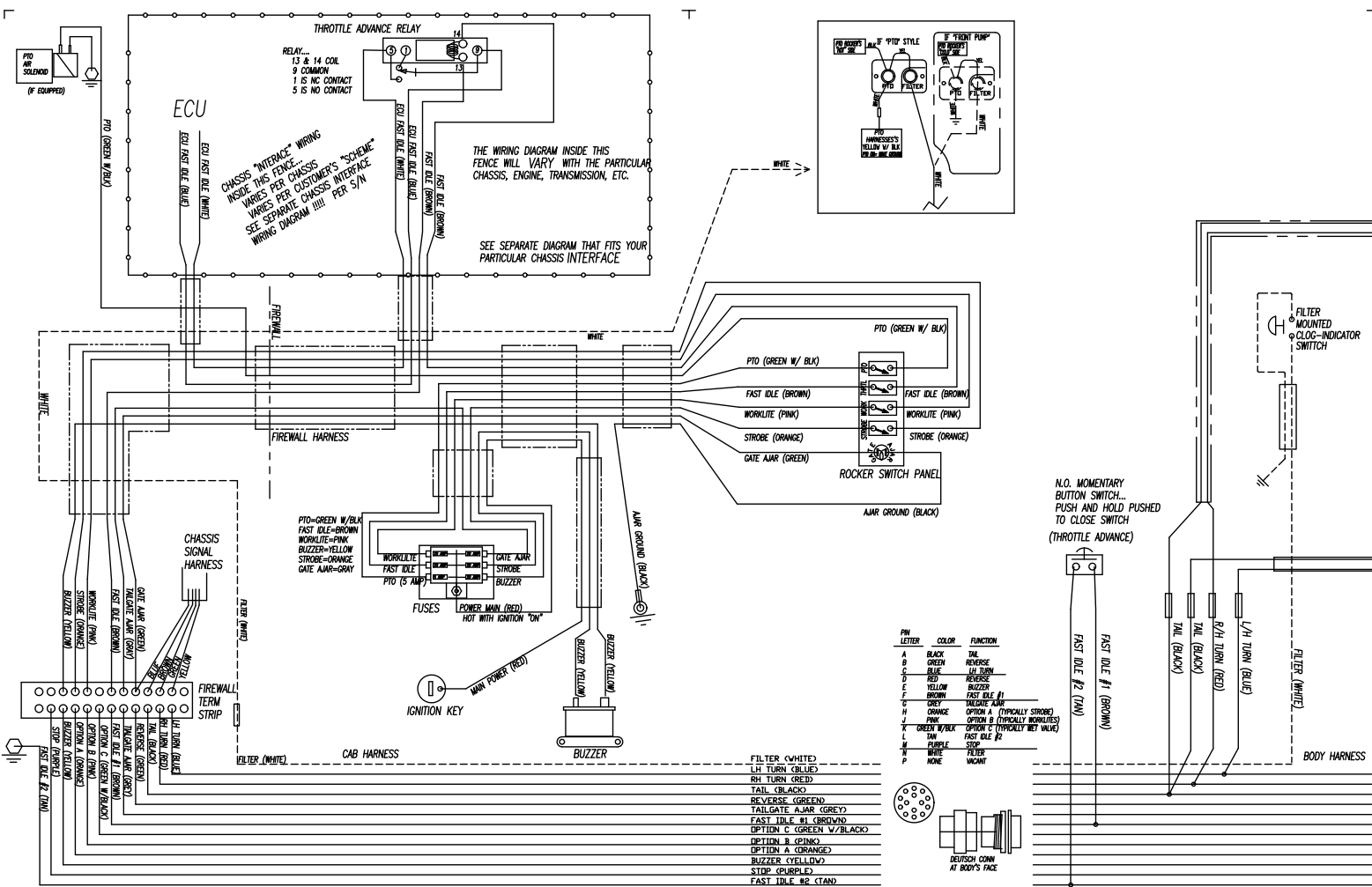
ITEM	REQ	DESCRIPTION	PART NO.
1	1	SEAR BASE BRACKET	0031541
2	1	SEAR	0031542
3	1	SPRING BASES	0021510
4	1	CLEVIS PIN (3/8 X 1) {TRIM TO 5/8" LG}	9950258
5	1	RUBBER SPRING	9960242
6	1	3/4" SAE FLATWASHER	9950108

ITEM	REQ	DESCRIPTION	PART NO.
8	1	SHOULDER BOLT 5/8 X 1/2	9950871
9	1	FRAME BOLT- 3/4 UNC X 1 1/2	9950806
10	1	HOOK REST	0031543
11	1	1/2UNC-13 FLANGE NUT	9950062
12	1	7/16 FLATWASHER	9950104
13	1	3/4" UNC HEXNUT	9950008

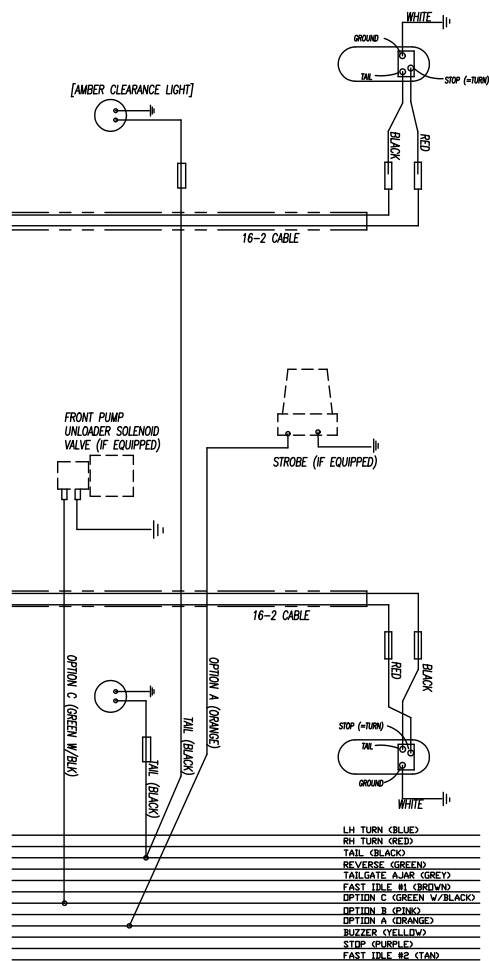


0120608...ENTIRE HOOK "TENDER" WELDASSY

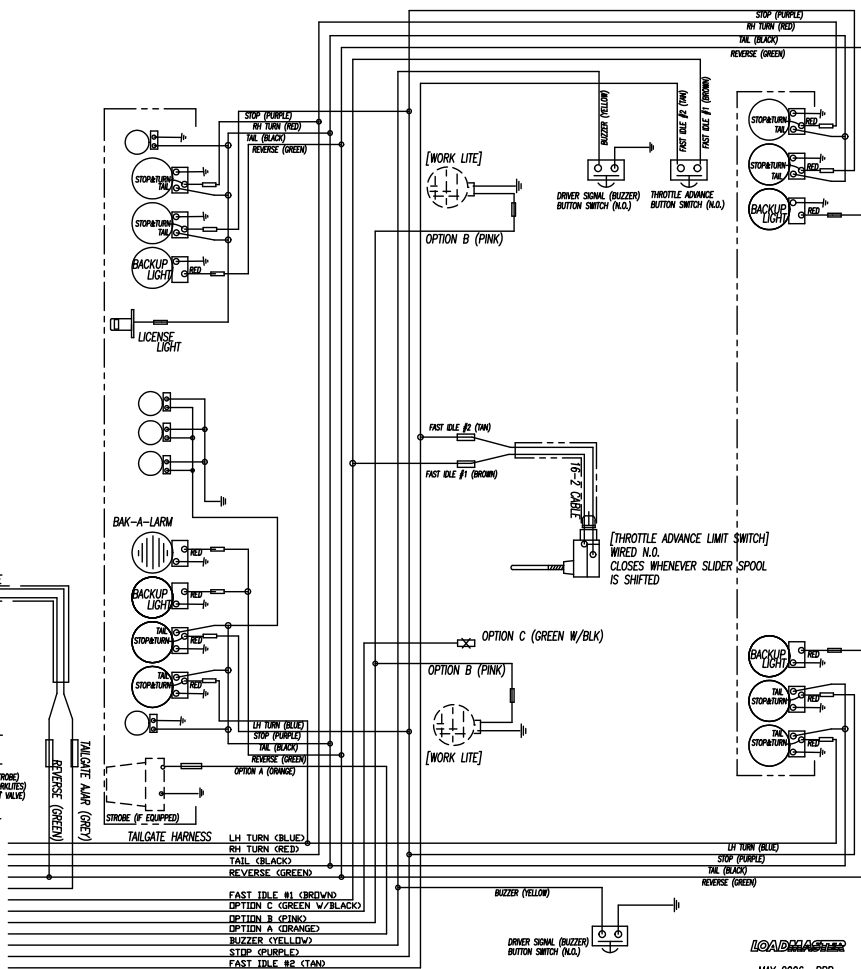
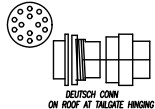
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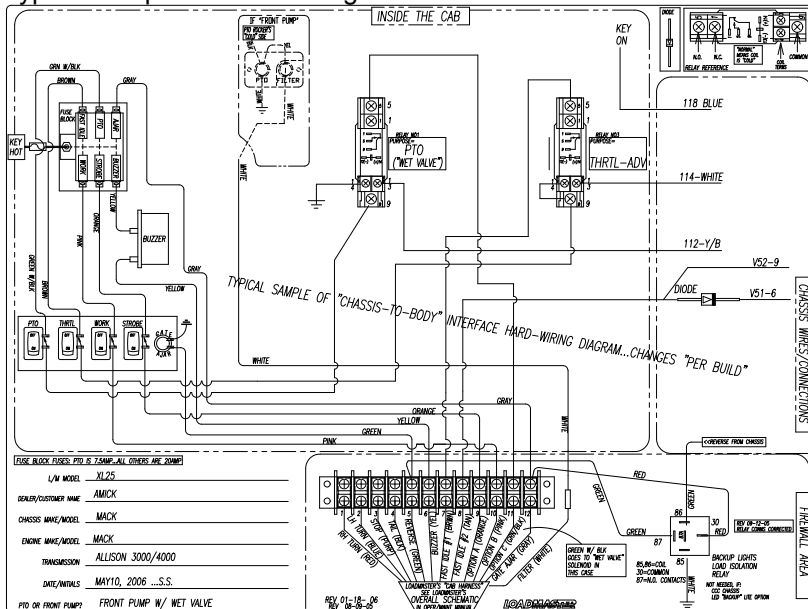


ELECTRICAL SCHEMATIC...GENERIC OVERALL...RIGHT HALF OF SCHEMATIC

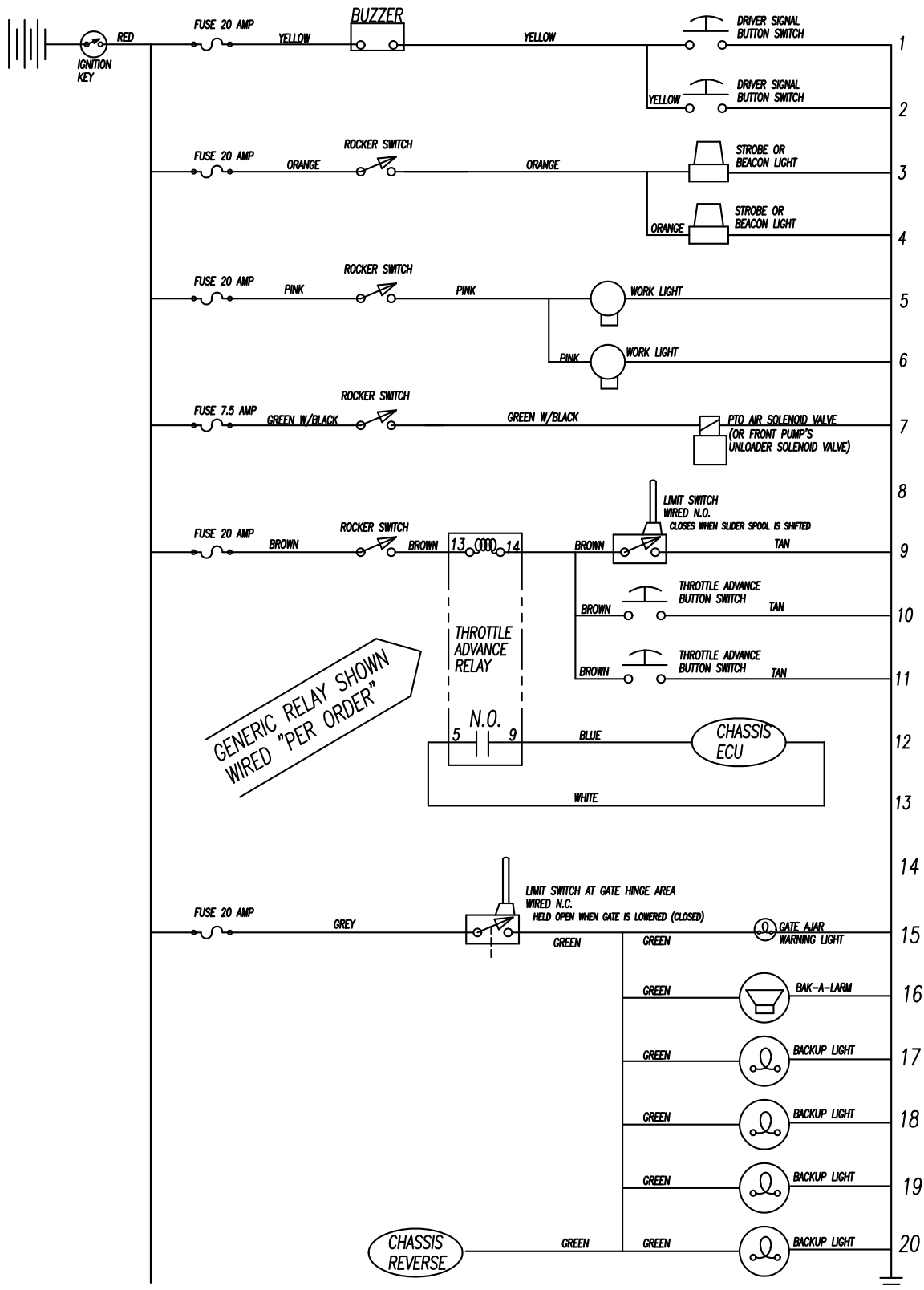


<u>PN</u> <u>LETTER</u>	<u>COLOR</u>	<u>FUNCTION</u>
A	BLACK	TAIL
B	GREEN	REVERSE
C	BLUE	LH TURN
D	RED	REVERSE
E	YELLOW	BUZZER
F	BROWN	FAST IDLE #1
G	GRAY	FAULTS ADJ
H	ORANGE	OPTION C (TYPICALLY STOP)
I	ORANGE	OPTION B (TYPICALLY WORK)
J	GREEN/WH/BLK	OPTION C (TYPICALLY MET)
K	TAN	FAST IDLE #2
L	PURPLE	STOP
M	NONE	VACANT
N	NONE	VACANT
P	NONE	VACANT





ELECTRICAL SCHEMATIC...GENERIC LOADMASTER... "LADDER" DIAGRAM



GAUGES FOR "CHECKING/ADJUSTING" HYDRAULIC PRESSURES

NO	Q	DESCRIPTION	PART NO
1	-	Pressure Gauge & Panel Assy...as imaged NoShok 0-5000PSI 4-INCH Glycerin Filled Yellow Steel Panel w/ edge plastic "absorber" 30 inch hose Hose coupler (fits the "standard" L/M gauge stem) PreAssembled by Loadmaster (per image to right) Adapters (3500PSI min. work pressure "rated")	0130018

README!! Particularly L/M "dealers"

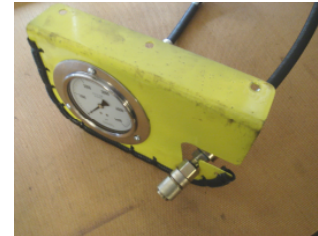
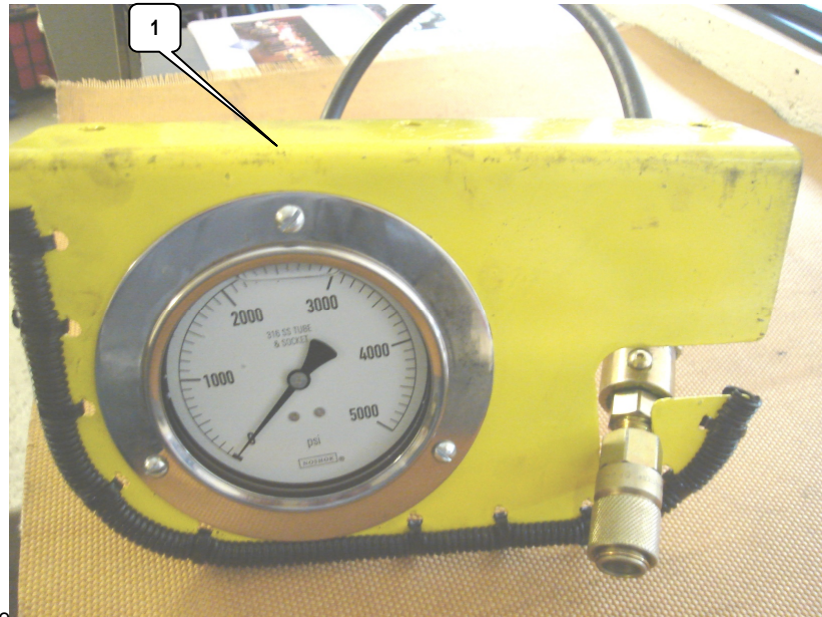
LoadMaster will offer this **0130018** to any Dealer/Customer AT OUR COST. This is offer'd to Promote "good results" when CHECKING/ADJUSTING any LoadMaster. This 4-INCH diameter gauge is of very Good quality (durability!) and is EZ to Read "precisely". (Obviously, any Dealer who purchases this would find "other uses" beyond LoadMaster Bodies). As long as you do not Smash it around/ Drop it...this gauge will read **Precisely and Confidently** for years. (EZ to read each time you use it... with good "precision" due to "big" 4-INCH size.)

See below if you want to procure your own items "locally".
...either bought from L/M or assembled from Items "you source"
This 4-INCH 0-5000 GAUGE is STRONGLY recommended.

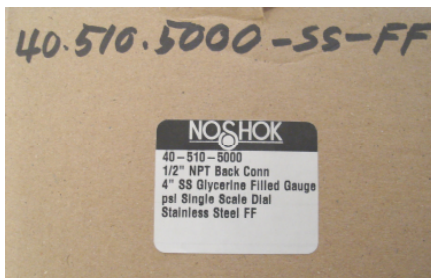
WARNING! "IF" you do assemble your own 4-INCH'R...assure **ALL** the Componenty is rated for a MINIMUM of **3,500PSI WORKING PRESSURE!**
(For Example...do **NOT** use any Black Pipe or Brass adapters!!! Use only STEEL adapters.)

Using a cheap, consumer grade common 2 1/2" Diameter gauge (approx 15 bucks) "can" create "good results". But cheap 2 1/2" gauges are much less Trustworthy and annoyingly "difficult" to read *precisely* (too small...particularly when "dialing-in" the All-Important/Sensitive KnockOut Positioners to Factory-Spec).

It is not "unheard of" for these "cheap" 2 1/2" gauges to be "wrong/defective" *right out of the box*,, and 2 1/2" have the annoying tendency to be wrong when you have "traveled" 150 miles to the customers shop (and you will sometimes findout "later" cheap gauge was bad...THEN you have to visit/correct the customer yard AGAIN).



Coupler ...mates to
GAUGE-STEM used
on all L/M 'bodies
Parker p/n PD242
L/M p/n 9933314

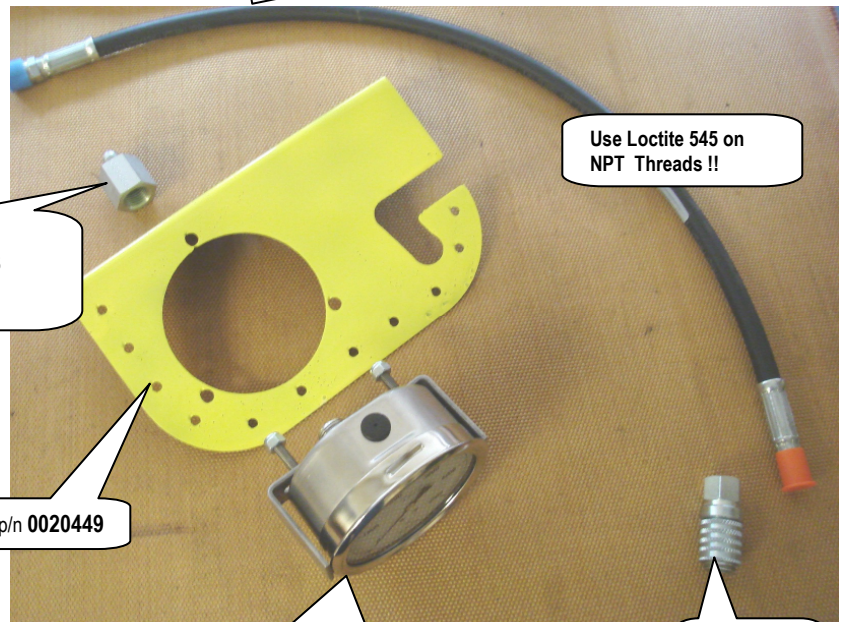


Steel hi-press Adapter
Parker p/n 6-8 GTX-8
1/2" npt fem x #6jic male

L/M p/n 0020449

Hose Assy- 1/4" 3500 PSI W/P x 30" lg (#6jic fem-swiv x 1/4" npt fixed male)

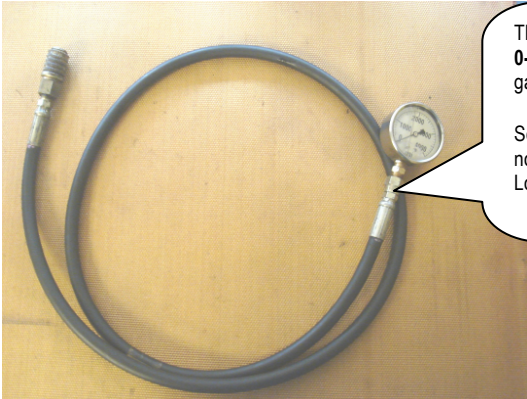
Use Loctite 545 on
NPT Threads !!



4-INCH glycerin-filled gauge; if NoShok
brand>p/n 40.510.5000-SS-FF
L/M p/n 9960325

Coupler
9933314

GUAGES FOR CHECKING HYDRAULIC PRESSURES (CONT'D)



This is a **COMMON** (aka..."cheap") **0-5000 PSI 2 1/2" Glycerin Filled** gauge on hose with stem **COUPLER**.

See **README!!** of previous page to note it's Limitations. This assy is LoadMaster p/n **0130014**.

This is a **DIGITAL...Parker Service Junior**. It is a excellent Instrument...that ironically YOU CAN **NEVER** USE TO 'check/adjust' **any** LoadMaster body. The *fast-action* of "inertia less" **DIGITAL** pressure gauges will "capture" milli-second **SPIKES** and thus "cause you" to adjust "TOO LOW" (approx 200-300 PSI "LOW")...which will cause **XL UNDER** performance due to "Lower than Factory Spec pressure settings!! **NEVER** use a **Digital Pressure Gauge** to check/adjust Pressures on any LoadMaster.



EXCEL SERIES "CORRECT" FACTORY PRESSURE SETTINGS...THE BASICS (AUGUST2007)

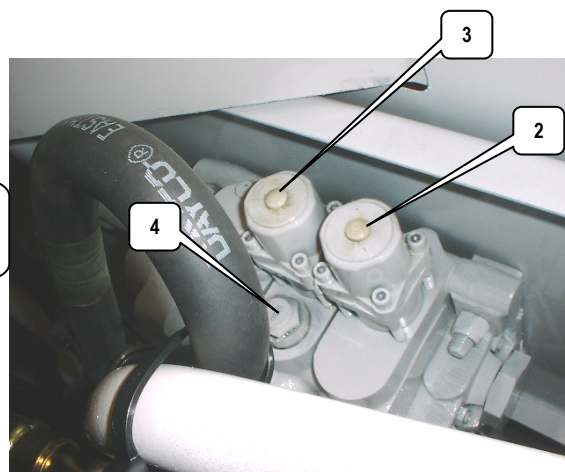
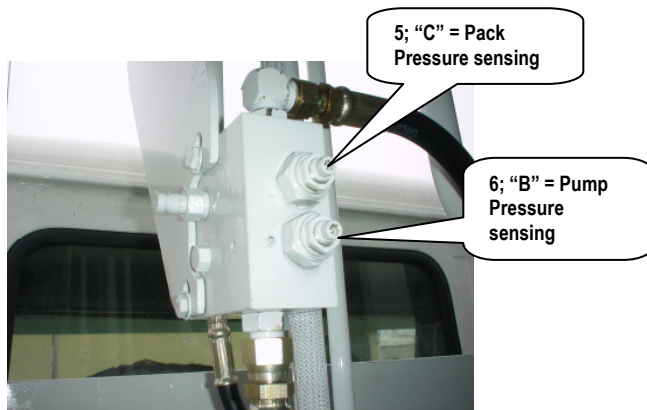
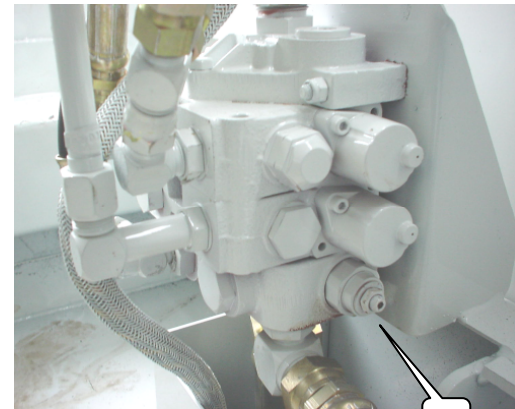
Assure you are Checking/ Adjusting the EXCEL model. (*Other* Model Loadmasters employ *DIFFERENT* pressure-specs). This SPECIFICATION list is for EXCEL... only!!! **READ YOUR MAINTENANCE/HYDRAULICS MANUALS** for correct methods to CHECK **FIRST** (and then make a ADJUST "*ONLY -IF*" out of factory-spec).

[[**July 27,2007 NOTE**...If your EXCEL is the "new" **S**-version...some of the below listed pressures are slightly "higher"...Contact Factory for the new "**S**" model EXCEL's pressure-specs]]

- 1 Main System Relief >> **2950 PSI @** throttle-advanced (warm'd oil)
- 2 Slider's KnockOut Positioner (K.O.) >>**2750 PSI @** thrtrl-adv (warm'd oil)
- 3 Sweep's KnockOut Postioner (K.O.)>>**2250 PSI @** thrtrl-adv (warm'd oil)

- 4 Secondary Port Relief (at Sweep Cylinder's BASE-SIDE workport)>>**3800 PSI "CRACK"**
This important Structure Protection Relief is **NON-ADJUSTABLE**...read Sevice/Hydraulics Manuals.

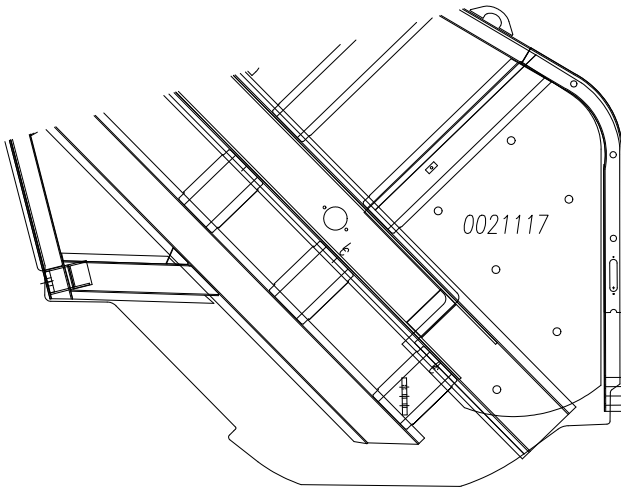
- 5 & 6 SynkPak's Cartridges (aka...*Ejector-Controller*)>>"both" BENCHSET to **2500 PSI**
Read the Hydraulics Manual for further details. Attn: do NOT "adjust" #5 or #6 without First contacting Factory. Difficult to FIELD-set to spec.



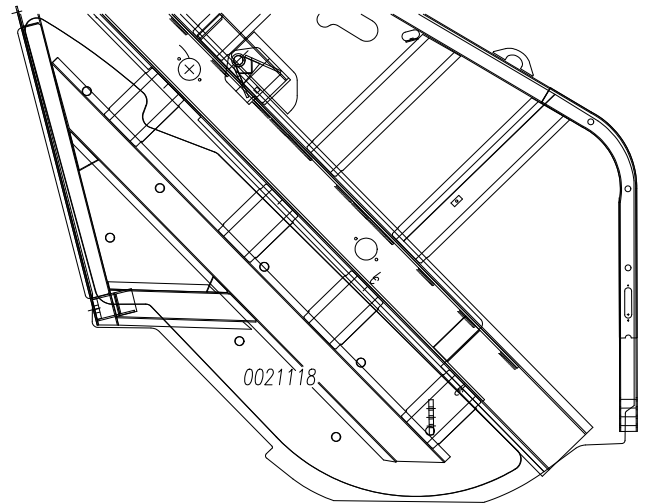
"LINERS" AVAILABLE FOR EXCEL

NO	Q	DESCRIPTION	PART NO
1	2	Gate Sidewall Liner Full Sheet 3/16" thick ar...plug welds located to "minimize" External weld "paint damage"	0021118
2	2	Upper Partial Liner....Hopper Upper region 3/16" thick a/r Has plug weld holes, plus the continuous Perimeter welding	0021117
3	1	Partial Liner....Hopper Floor "Lower Side region" 3/16" thick XF100	0031791

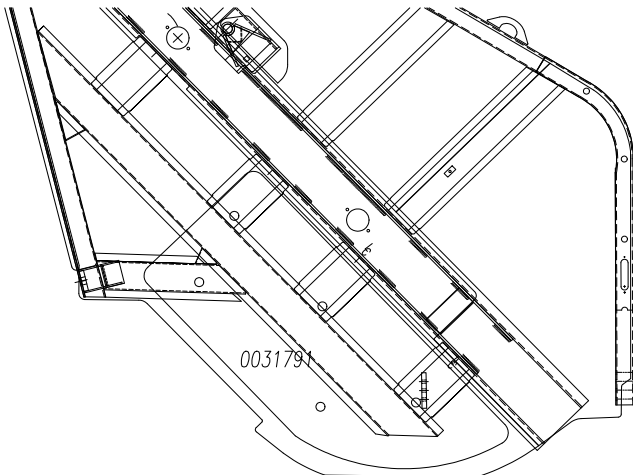
NOTE: LINERS 1&3 above ("liners") can be
used as "mated-set" or "individually" at your choice.



Upper Partial Liner



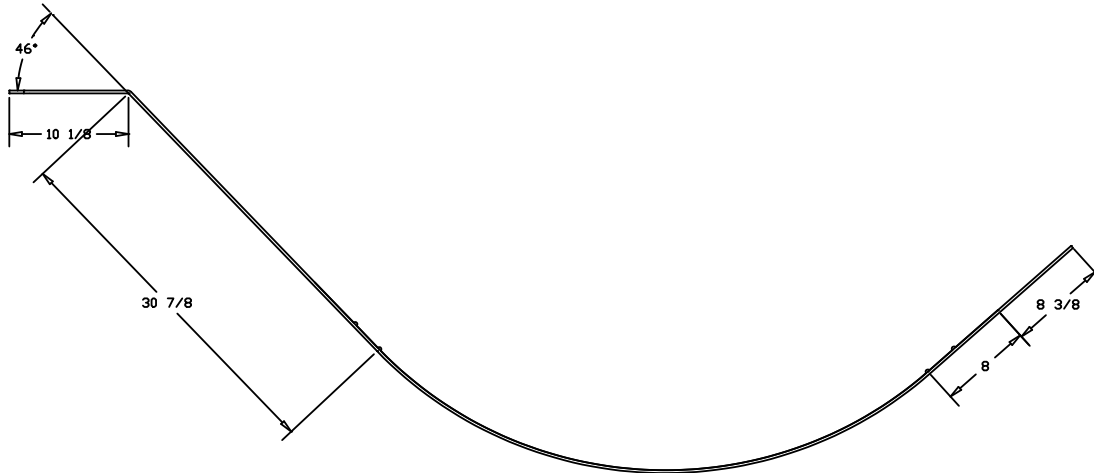
Lower Full Liner



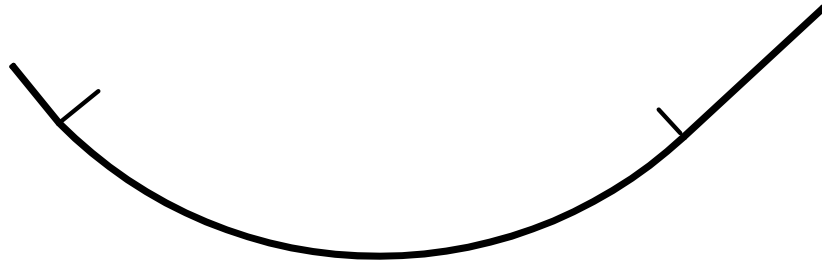
Lower Partial Liner

EXCEL LINERS (CONT'D)

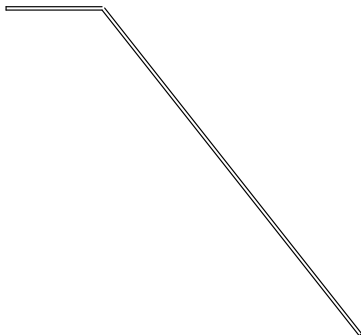
The below **EXCEL** liner 3/16" T1 Steel and is made to fit the rolled floor of the tailgate (74 1/2" wide) Part No.is 0031603



The below is "partial" liner for **EXCEL** hopper floor.....Part No. 0031754
74" wide and entirely covers the "rolled" (aka...curved) portions of hopper floor.



The below is the "upper" mate piece of the "partial" liner for
EXCEL hopper floor....74" wide...p/n 0031699



The above are the basic "standard" available Tailgate-Liners that will usually cover your needs. IF you do not see a "Liner" here that you "need" contact your "dealer" and/or LoadMaster for "special liners" price quotations. **Loadmaster** is ready to be...**your waste equipment partner** for 2006 and beyond...contact us anytime.

	EXCEL	LEGACY3	ELITE	MOD400
"2-10" ROOF REEVER OPT				
PORT RELIEFS ORIFICES	NONE NONE	NONE NONE	NONE NONE	NONE NONE
CLEARSTEP ROLLBAR OPT				
UP PORT RELIEF	1800CRACK V40=9932061 VG35=9932081	1800CRACK V20=9932092	1800CRACK V20=9932092	NONE NEEDED
DOWN PORT RELIEF	700CRACK V40=9932073 VG35=9932090	700CRACK V20=9932091	700CRACK V20=9932091	NONE NEEDED
UP/DOWN ORIFICES (2)	7/64 DIA V40=0120628 VG35=0120628	7/64 DIA V20=0120629	7/64 DIA V20=0120629	7/64 DIA V40=0120628 VG35=0120628
"1-2" SLING LIFT OPT				
UP PORT RELIEF	1800CRACK V40=9932061 VG35=9932081	1800CRACK V20=9932092	OPTION IS N/A ON SR MODEL	NONE NEEDED
DOWN PORT RELIEF	NONE	NONE	NONE	NONE
UP/DOWN ORIFICES (2)	7/64 DIA V40=0120628 VG35=0120628	7/64 DIA V20=0120629	OPTION IS N/A	7/64 DIA V40=0120628 VG35=0120628
WINCH OPT				
UP PORT RELIEF	1800CRACK V40=9932061 VG35=9932081	1800CRACK V20=9932092	1800CRACK V20=9932092	NONE NEEDED
DOWN PORT RELIEF	NONE	NONE	NONE	NONE
ORIFICES	NONE	NONE	NONE	NONE
PER CART TIPPER (1X OR 2X) INSTALL OR PER " CT INSTALLED VALVE SECTION" OPTION(S)				
UP PORT RELIEF	1800CRACK V40=9932061 VG35=9932081	1800CRACK V20=9932092	1800CRACK V20=9932092	NONE NEEDED
DOWN PORT RELIEF	700CRACK V40=9932073 VG35=9932090	700CRACK V20=9932091	700CRACK V20=9932091	NONE
UP/DOWN ORIFICES (2)	IN-LINE ADJUSTBL 9932076 (2 PER KD)	IN-LINE ADJU.. 9932076 (2 PER KD)	IN-LINE ADJU.. 9932076 (2 PER KD)	IN-LINE ADJU.. 9932076 (2 PER)

Tolerance= +/- 25 psi

MODEL	MAIN SYSTEM	SLIDER K.O.	SWEEP K.O.	SEC PORT	EJECTOR'S CONTROLLER
EXCEL	2950 PSI @thrtl-adv	2750 PSI @thrtl-adv	2250 PSI @thrtl-adv	3800 PSI (crack flow)	"SYNPAK" CONTROLLER 2 cartridges both @2500 PSI "trip"
LEGACY3	3200 PSI @thrtl-adv	2950 PSI @thrtl-adv	2250 PSI @thrtl-adv	3700 PSI (crack flow)	"RESISTANCE-CARTRIDGE" 1 cartridge set to 1200 PSI "trip" (integral .062 orifice)
ELITE	2750 PSI @thrtl-adv	2350 PSI @thrtl-adv	2250 PSI @thrtl-adv	3700 PSI (crack flow)	"HI/LO" CONTROLLER set LO to 1450 PSI @ thrtl-adv
MOD400	2000 PSI @ thrtl-adv	1650 PSI @thrtl-adv	1350 PSI @thrtl-adv	1800 PSI (crack flow)	"HI/LO" CONTROLLER set LO to 850 PSI @ diesel idle

RELATED NOTES:

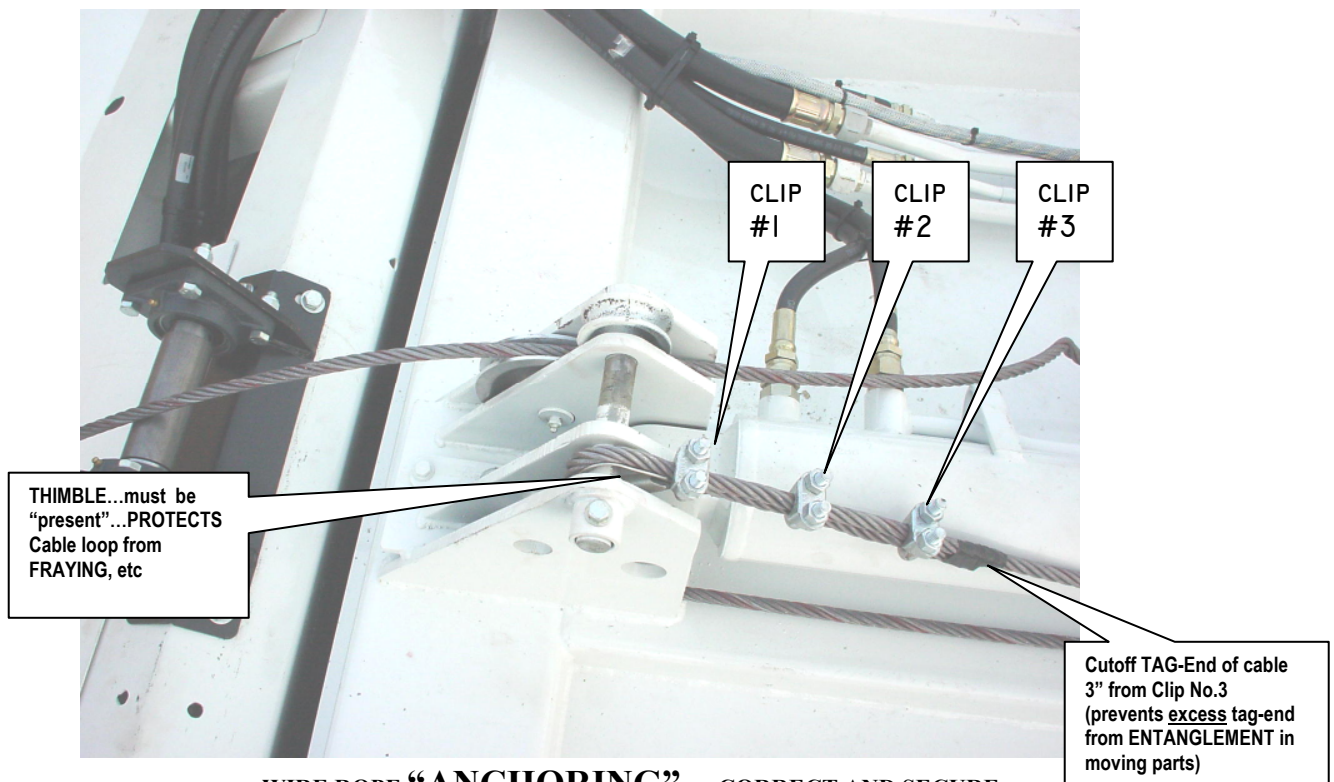
- 1- Correctly "identify" the **MODEL** of Loadmaster ...each MODEL has it's own (different) settings.
- 2- Be sure to check/adjust your Pressure at the noted DIESEL RPM...it is IMPORTANT to be at noted RPM.
The "@thrtl-adv" notation means diesel advanced (usually 1200-1400rpm). The "@diesel idle" is usually 700-800rpm.
- 3- Be sure to check with **WARM** hydraulic oil...build up some "system warmth" (cycle blades 5-6 times, options, etc) BEFORE checking/adjusting pressures. Use only Glycerin-Filled gauge to check....0-5000 gauge (a **4"** diameter face is recommended for readability and "trustworthiness").
- 4- The SEC PORT setting is the "**SEC**ondary work**PORT** relief" ...located at the sweep cylinder's BASE-SIDE (sweep" push" side). This setting is NON-adjustable and must NOT be shimmed upward. This relief is the *structure-protecting* "critical-load" relief. Shimming this SEC PORT relief (without Loadmaster expressed permission) voids all warranties.
- 5- Your Loadmaster will have two **KnockOut** positioners. The KnockOut positioner for the *SLIDER* blade (and its *correct* setting) will be the MORE important of the two from a "packing-out" perspective.
- 6- Adjusting to any pressures "other than" those listed above...**voids** all hydraulic and/or structural warranties. These LISTED pressure specifications will:
 - a- create the desired "pack-out" performance (per model)
 - b- assure proper "functionality" of the Loadmaster
 - c- result in best component/ structure "life's"
- 7- Call Loadmaster @ **800-433-2768** for technical support whenever you wish.
Read separate *Write-Ups*...e-mail able/faxable.... from Loadmaster on "how to" check/adjust all of the above.
Read your Operators/Maintenance Manual (per Model) for "how to" check/adjust information.

Always follow the **Safety** Precautions/Dangers/Warnings/Notices stated in the Operator's/Maintenance Manual!!!!

CORRECT CABLE ANCHORING!!! Follow this “in detail”...the wire rope “industry’s” methods! Image below shows “2-10 reever” option...but this applies to all cable anchoring.

As always...follow **all** of the *safe operating practices* for dumping containers as outlined in the “Operation and Maintenance Manual”. The highlights of which are:

- ❑ Never walk beneath any raised container (or allow “others” to walk beneath).
- ❑ Always securely latch **BOTH** *trunnion-bar capturing* latch arms (the left **and** the right; **BOTH!!!**) before raising any container.
- ❑ Use *only* containers that are *compatible* with the Loadmaster container-coupler (aka...trunnion latches). This means dumping only containers that comply with WASTEC dimensional recommendations (the “rear-loader container” manufacturing industry’s *dimensions*).
- ❑ Weekly “inspection” (and repair if needed) of cable, hook, the hook’s spring-loaded capture, thimble and cable anchoring . And....Weekly inspection of the “2-10 reever” *mechanisms and hydraulics*...in general.
- ❑ Never use any Container Handling option (such as “2-10”/ Roll bar/ winch/ “1-2” ETC) to “carry/ transport” a container



WIRE ROPE “ANCHORING”...CORRECT AND SECURE

- 1- CLIP #1 “CROWDS” THE THIMBLE CLOSELY
- 2- CLIP #2 IS 3” TO 4” FROM CLIP #1
- 3- CLIP #3 IS ANOTHER 3” TO 4” FROM CLIP #2
- 4- EVERY CLIPS “BASE” (AKA...”SADDLE”) IS LOCATED AT THE LONG (LIVE) CABLE
- 5- THE Cable’s “TAG-END” IS “CUTOFF” 3” TO 4” FROM CLIP #3
- 6- **THE CLIP’S NUTS (6) ARE EVENLY TORQUED TO 25 FT-LBS**

All “3” clips MUST be present and “setup” per 1 thru 6 above!!!!

This “IS” the wire-rope Industry’s Methods...and this Method is Correct & Secure (any Deviation from this exact method is NOT correct and NOT secure anchoring)

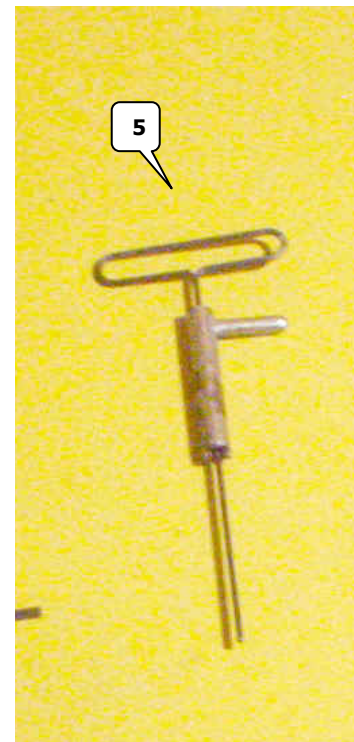
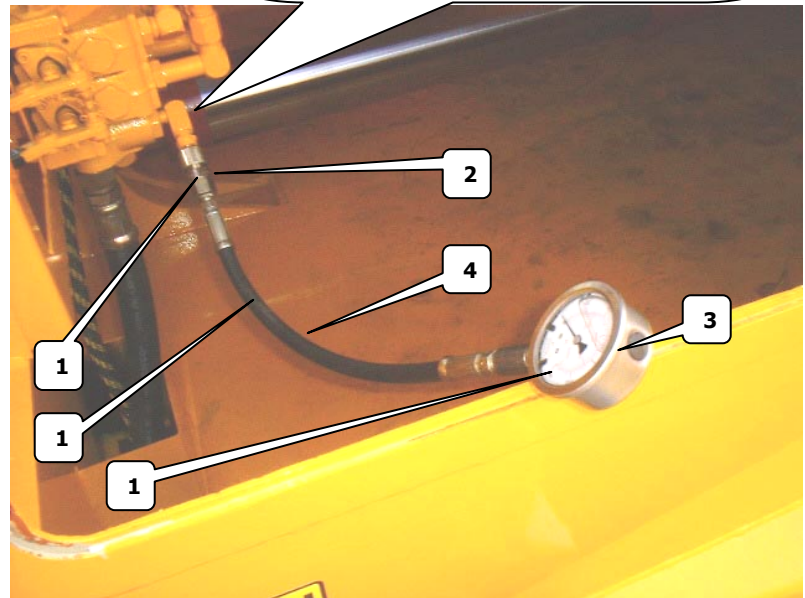
SOME "TOOLS" FOR THE EXCEL

NO	Q	DESCRIPTION	PART NO
1	-	Assembly,,,0-4000 Glycerin Gauge on a 2-foot Hose with Female coupler	0130014
2	-	Coupler (a "Quick Connect") ONLY That mates to the "standard" LoadMaster male gauge stem Other "end" of it is 1/4"npt female	8800525
3	-	Glycerin Filled Gauge (0-4000 PSI) 1/4"npt male stem style This is the "cheap" 2 1/2" diameter "common" gauge See Below for some "good advice"	9931110
4	-	Gauge Hose assy- 1/4" x 24" OAL (5000PSI W.P.) 1/4"NPT male x 1/4"NPT FMS	9934092
5	-	V20 "Knock-Out" Adjusting Tool The Parker V20 is the Legacy3's Tailgate-Mounted Valve The V20 (only) <u>needs this tool</u> to adjust it's Knock Out Positioner	8800316
6	-	4" DIAMETER Glycerin-Filled 0-5000 PSI gauge You can successfully adjust your pressures using a Cheap 2 1/2" common gauges (\$20)...but they <i>can be</i> NOT worthy of Trust...at least use a "newer" cheap gauge.	9931111

This 4" diameter glycerin gauge is much more "trustworthy". This p/n is "panel mount" style....but is also available without the panel "flange". 4" glycerin gauge (about 180\$) is recom'd for a DEALER. It is durable. In fact, "NOSHOK" gives a 3-year warranty (demonstrating their confidence in it's durability/ reliability...just don't "smash it around"). It is much easier to read "accurately". It is 0-5000 full range. So you are much less likely to SPIKE it and damage the "bourdon tube" inside (l/m's products tend to be around 3000psi "settings").

Every LOADMASTER Body will have a Male Gauge Stem at the Inlet Cover of "Body-Mtd Valve"...this is PUMP PRESSRE...ALL LOADMASTER "pressure checks" are done at this Gauge Point.

DANGER: NEVER ENTER THE BODY WITHOUT FIRST DOING A "SHUTDOWN" & LOCKOUT/TAGOUT PROCEDURE. Read your Operator/s / Maintenance manuals



NOTE: future updates/editions of Manuals will have "new" publication number assignments

Legacy3 >>>

7700001 LEGACY3 Operator's Manual (with Preventive-Maintenance & 4-page "foldout" overall Electrical Schematic)...**June 2006 edition**
B&W "Hardcopy" Booklet...also "digital" version of 7700001 on CD 7700006 to allow "field" printing of "more" hardcopies

7700004 LEGACY3 Parts Manual...**JUNE 2006 edition**
Included on CD 7700006

7700005 LEGACY3 Maintenance/Repair & Hydraulics Manual...**June 2006 edition**
Included on CD 7700006

7700006 LEGACY3 "CD"... Complete set of LEGACY3 Technical Manuals (001, 004, 005)...**June 2006 edition**
Indexed & "hyperlinked" PDF's...from this CD you can create as "many" Hardcopies (B&W...*or color*) as desired
-or- view pages on your "monitor" with no "Hardcopy" involvement at all

Excel >>>

7700041 EXCEL Operator's Manual (with Preventive-Maintenance & 4-page "foldout" overall Electrical Schematic).....**Sept2006 edition** (n/a may'06)
B&W "Hardcopy" Booklet...also "digital" version of 7700007 on CD 7700013 to allow "field" printing of "more" hardcopies

7700042 EXCEL Parts Manual...**Sept2006 edition** (n/a may'06)
Included on CD 7700013

7700043 EXCEL Maintenance/Repair & Hydraulics Manual...**Sept2006 edition** (N/A may'06)
Included on CD 7700013

7700044 EXCEL "CD"... Complete set of EXCEL Technical Manuals (007, 008, 009)...**Sept 2006 edition** (N/A may'06)
Indexed & "hyperlinked" PDF'S...from this CD you can create as "many" Hardcopies (B&W *or color*) as desired
-Or- view pages on your "monitor" with no "Hardcopy" involvement at all

7700053 Cart Tipper-Hand Valve/ Diverter HYDRAULICS OPTION **release 01-17-05**
B&W booklet with technical information pertaining to *LOADMASTER'S own* Factory-Installed CT hydraulics option
<<If your unit has a *TIPPER COMPANY's* hydraulic Diverter-style *circuit*...saves/ see the Tipper Cos' manual. Not this 0051>>

Elite >>>

7700081 ELITE Operator's Manual (with Preventive-Maintenance, with General Maintenance/Repair, with Hydraulics information & 4-PAGE "foldout" Electrical Schematic) Feb2002 edition
B&W "Hard Copy" Booklet... {{not available as "digital" (CD) at May'06}}

7700082 ELITE Parts Manual...**Feb2002 edition**
B&W "Hard Copy" Booklet... {{not available as "digital" (CD) at May'06}}

NOTE: 2002 ELITE manual "editions" are still applicable in May 2006

7700083 ELITE "SHIPPER" Booklet *for the Dealer*...**03-03-06 edition**
B&W "Hard Copy" Booklet...contains Basic Information *for the Dealer* on "how to" setup/adjust Hydraulics & Electrically Interfacing Body-to-Chassis

Mod 400 >>>

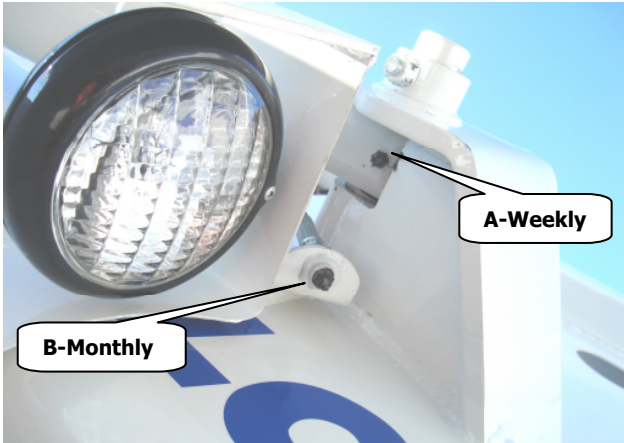
7700121 MODEL 400 Operation Manual **9-12-95 edition**
Includes Preventive-Maintenance and Hydraulics information
B&W Hardcopy booklet

7700122 MODEL 400 Parts Manual **01-01-01 edition**
B&W Hardcopy booklet

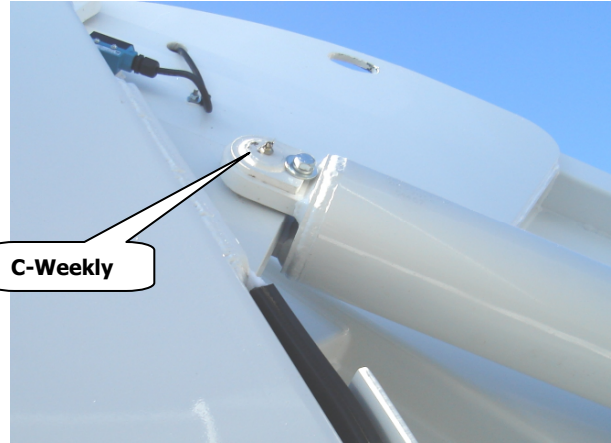
7700123 MODEL 400 "SHIPPER" Booklet *for the Dealer* **10-04-05 release**
B&W Hardcopy booklet... [a "Shipper" is a body that is *NOT* installed to Chassis at **LOADMASTER** factory]
Contains "Basic" information on "how to" setup/adjust the Hydraulics & Electrically Interfacing Body-to-Chassis

"GREASING-DIAGRAM" (LEFT PAGE)

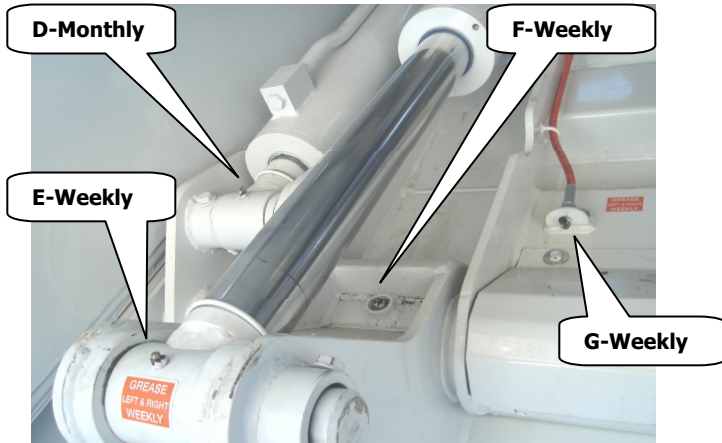
!! WARNING: Do your shop's **LOCKOUT/TAGOUT** BEFORE beginning to lubricate/ grease!!



Left/ Right: **A)** Gate Lift Cylinder
B) Slider Cylinder's Upper pinning ("if" remote-zerked)



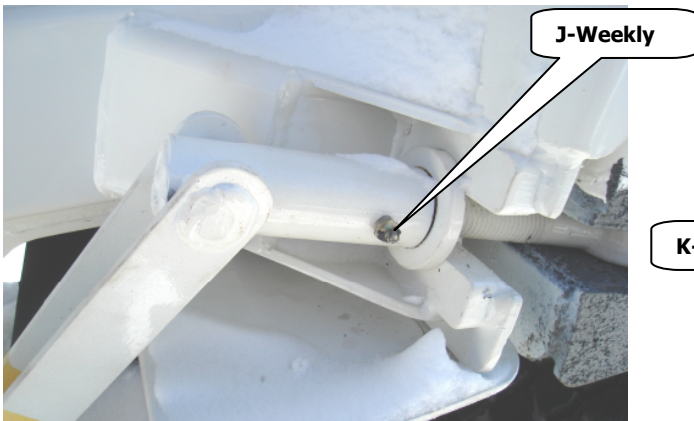
Left/Right: **C)** Gate Raise/Lower Cylinder Upper Pinning



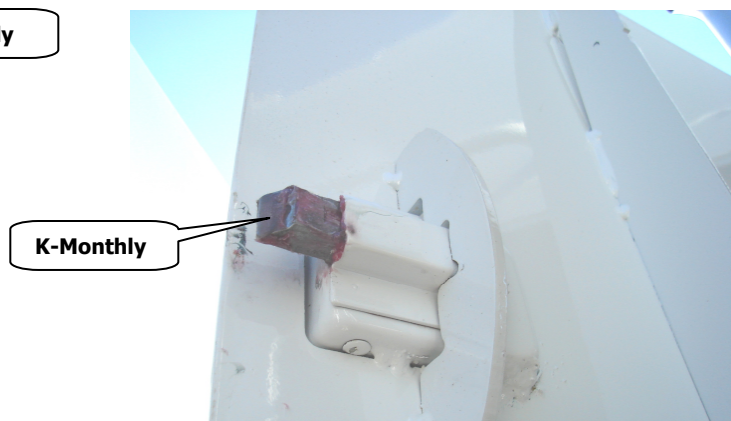
Left/ Right: **D)** Slider Cylinder's lower pinning
E) Sweep Cylinder's lower pinning
F) Sweep's Main Wrist Pivot
G) Sweep Cylinder's Upper pinning ("if" remote-zerked)



Left/Right: **H)** Slider Shoe's Tracking Channel
<spray-on or brush-on>



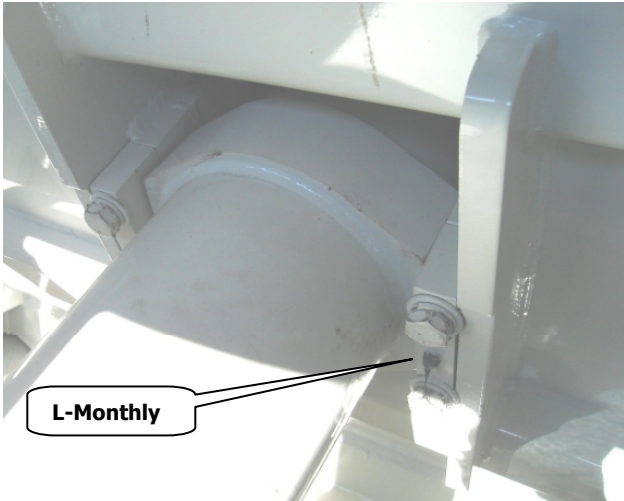
Left/ Right: **J)** Gate's "Turnbuckle Chucks"



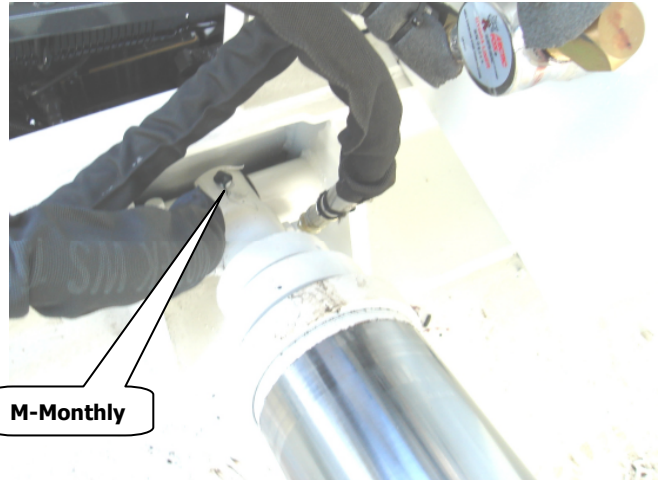
K) Body's Access Door Latch Bolt
(Spray-on or dab-on)

"GREASE-DIAGRAM" (RIGHT PAGE)

!! WARNING: Do your shop's **LOCKOUT/TAGOUT** BEFORE beginning to lubricate/ grease!!



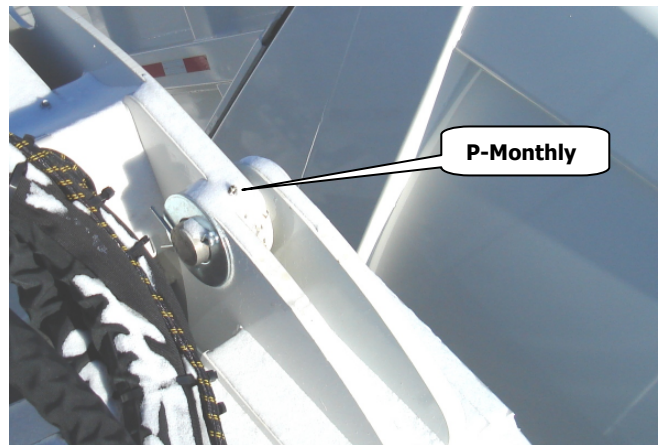
Left/ Right: **L)** Telly Trunnion-Ejector Side (Mnnpls special)



M) Telly's Body-Side Pinning



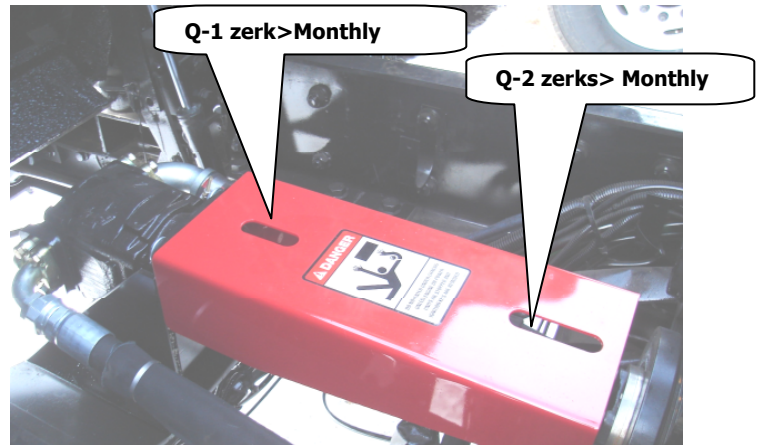
Left/ Right: **N)** Ejector's Body Tracking Channels



Left/ Right: **P)** Gate's Main Hinging Pivots



Multiple Zerks for **CT's** (see Cart Tipper PM manual)



Q) Pump Prop Shaft Zerks (3 Zerks)..."Jog" Diesel to Align Zerks to slots To the "cover" (if equipped with a "cover")
! WARNING! NEVER INSERT YOUR FINGER(s) IN THE GREASE GUN'S ACCESS SLOTS!!!