

SERVICE BULLETIN

UTILITY TRAILER MANUFACTURING CO.



SB-12-015

Issue date: January 16, 2017

Maxon BMRA and BMRA-CS Platform Closing Cylinder Hose Inspection and Replacement

Scope: Maxon has discovered that a select group of BMRA and BMRA-CS model liftgates have experienced premature wear and failure of the Platform Closing Cylinder Hose. The hose is rubbing against the retainer bolt and collar resulting in a leak or rupture of the hose.

Affected: BMRA and BMRA-CS model liftgates built between May 2013 and December 2015

Verification: Maxon has provided a spreadsheet of the affected liftgate serial numbers which has been saved on www.UTM.com under the Field Service tab inside the Warranty Information folder. Once in the folder, you can search by, "Maxon BMRA Platform Closing Cylinder" in the Description field. If you suspect one of your customers to be affected please contact and obtain the liftgate serial number.

File a claim: Once the liftgate has been verified to be affected, please contact Maxon representative, Ricardo Vasquez at (800) 227-4116 or email BMRAHose@Maxonlift.com. Please provide the Trailer serial number and the liftgate serial number. Maxon will send out the upgrade kit at no charge, this will be sent 3 day ground. They have agreed to pay 1 hour labor which will be handled direct with Maxon

Any other questions regarding this service bulletin should be directed to Maxon Lift Corp at 800-227-4116.

Field Service Department
UTILITY TRAILER MANUFACTURING COMPANY

Utility hasn't independently evaluated the information contained in the attached service bulletin; it is making the bulletin available as a convenience and for information purposes. You are encouraged to contact Maxon at (800) 227-4116 if you have any questions concerning the content of the document, or how these issues affect trailers you are servicing.



January 6, 2017

Dear Maxon BMRA Liftgate Customer; RE: Closing Cylinder Hose (264109)

Maxon has discovered that a select group of BMRA and BMRA-CS model liftgates built between May 2013 and December 2015 have experienced premature wear and failure of the Platform Closing Cylinder Hose (P/N 264109). This wear will result in the hose rubbing against the retainer bolt and collar, creating a wear point resulting in a leak or rupture of the hose. Our records show that you have purchased one or more of these liftgates. The Serial Number and models of the units you purchased are attached.

Inspection and replacement of the Closing Cylinder Hose is required as soon as reasonably feasible, without waiting for your next scheduled maintenance inspection. Please contact your local authorized Maxon distributor or liftgate maintenance provider. A technician with average mechanical and hand tools will be able to perform the necessary repair. If you need us to assist you in locating a repair facility, please contact Maxon at the number provided below.

Maxon will provide a Upgrade Kit free of charge upon confirmation of the liftgate serial number and location of the units being updated, and will reimburse labor as specified. Refer to **BMRA Hose Upgrade Kit (Account 5400-628245-0001-00)** when ordering and making claims. The Kit (P/N 297861-01) includes all hardware and instructions to perform the change. Installation of the kit is estimated to take approximately 1.0 hour or less. The repair facility will be reimbursed at the prevailing regional shop labor rate upon receipt and notification of the completion and invoice for each repaired BMRA.

Anyone with identified liftgates in their possession should immediately contact BMRAHose@Maxonlift.com or Ricardo Vasquez with Maxon Customer Service at 800-227-4116, referring to the BMRA Hose Kit. If you have had this hose replaced previously, the lift gate still requires this updated kit.

Note: Adherence to all current operating instructions, warnings, and precautions shown in the BMRA Operator's and Maintenance Manuals supplied with the liftgate ensures that in the event of the hose failure there will be no damage to equipment or personnel. However, a failure of the hose could result in one or more of the following:

- *The operator's inability to fold and stow the platform once opened.*
- *The sudden opening of the platform when lowering from the stowed position.*
- *Potential injury to the liftgate operator, his helpers, or bystanders if they fail to stand outside the area the platform will open into.*

General questions regarding this Kit Upgrade Program should be directed to BMRAHose@Maxonlift.com or Ricardo Vasquez at 800-227-4116.

Our records indicate that you purchased the attached list of BMRA or BMRA-CS liftgates. If any are no longer in your possession, please notify Maxon as well, so we may make every effort to contact the new owner.



Woody Woodrum

Director Continuous Improvement

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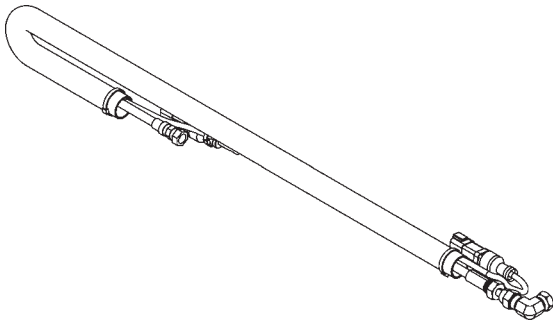
Platform Closing Cylinder Hose Location



Damage being caused



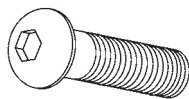
INSTRUCTIONS, SLEEVED CABLE KIT BMRA / BMRA-CS KIT P/N 297861-01



HOSE & CABLE ASSEMBLY
P/N 289857-01
QTY. 1



PLASTIC TIE, 7" LG
P/N 205780
QTY. 3



BUTTON HEAD SCREW
1/4"-20 X 1" LG
P/N 900005-4
QTY. 1



LOCK NUT 1/4"-20
P/N 901000
QTY. 2

CAUTION

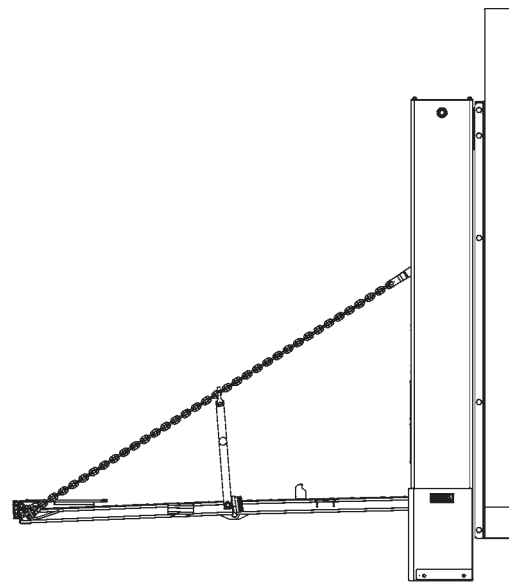
Keep dirt, water and other contaminants from entering the hydraulic system. Before opening the hydraulic fluid reservoir filler cap, drain plug and hydraulic lines, clean up contaminants that can get in the openings. Also, protect the openings from accidental contamination.

NOTE: The following procedure contains instructions for replacing a spring guard, carrier, or sleeved hose and cable assembly with this sleeved hose and cable kit.

NOTE: Perform this procedure at a place where platform can be lowered to lowest point of travel. Get a helper to operate Liftgate control switch.

NOTE: Refer to **Operation Manual** for instructions to operate Liftgate.

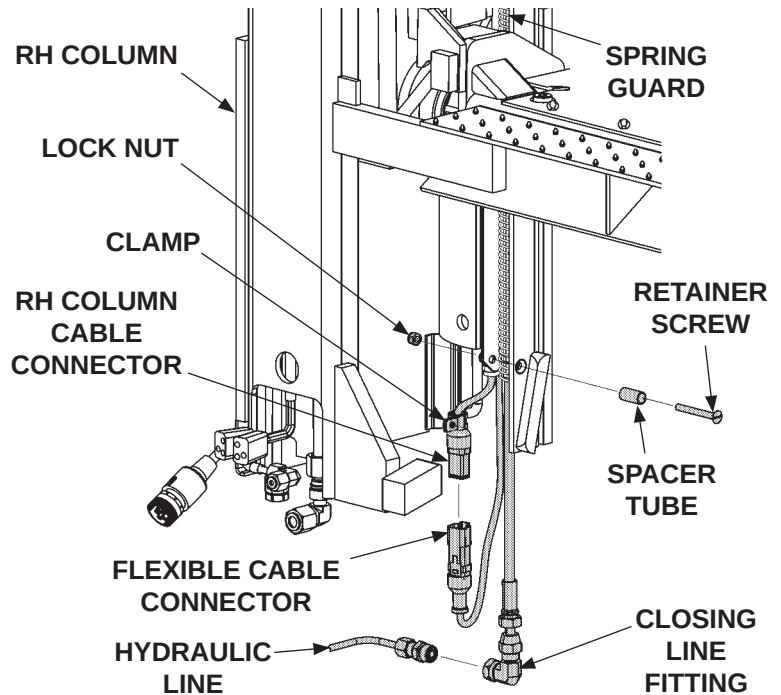
UNFOLD the platform as shown in **FIG. 2-1**.



UNFOLDING PLATFORM
FIG. 2-1

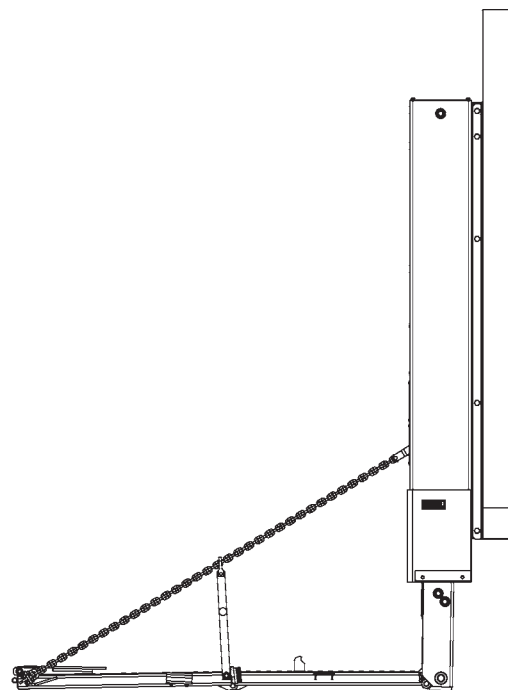
REMOVE OLD HOSE AND CABLE

1. Remove retainer screw, spacer tube, and lock nut from RH column (**FIG. 3-1**). Keep clamp in place on the cable. If necessary, reposition cable and hoses for easier access. Keep the old screw, and spacer tube. Discard the lock nut.



DISCONNECTING HOSE & CABLE (RH COLUMN)
FIG. 3-1

2. Disconnect the hydraulic hose in the column from the closing line fitting (**FIG. 3-1**). Plug hose to prevent spills.
3. Disconnect the RH column cable connector from the flexible cable connector (**FIG. 3-1**).
4. Lower the platform (**DOWN**) to the ground (**FIG. 3-2**).

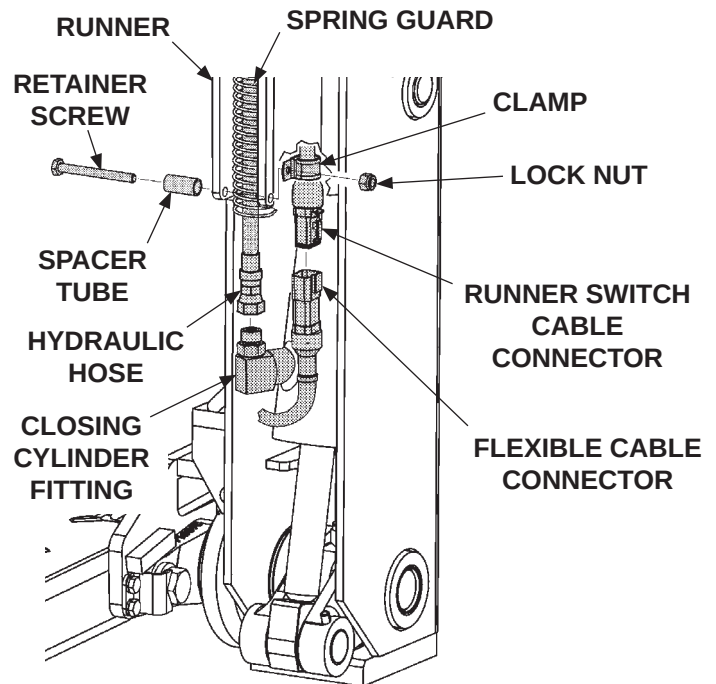


LOWERING PLATFORM
FIG. 3-2

5. Remove retainer screw, spacer tube, nut, and lock nut from RH runner (FIG. 4-1). Keep clamp in place on the cable. If necessary, reposition cable and hoses for easier access. Discard the old screw, spacer tube, and lock nut.

6. Disconnect the hydraulic hose in the runner from the closing cylinder fitting (FIG. 4-1). Plug hose to prevent spills.

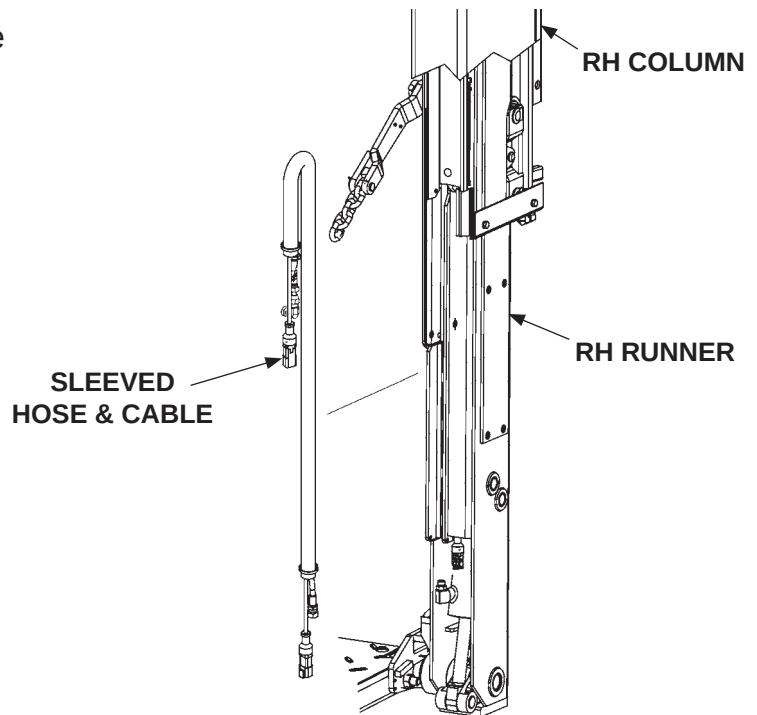
7. Disconnect the runner switch cable from the flexible cable connector (FIG. 4-1).



**DISCONNECTING HOSE &
CABLE (RH RUNNER)
FIG. 4-1**

INSTALL SLEEVED HOSE & CABLE

1. Insert sleeved hose and cable in the RH runner as shown in **FIG. 5-1**.

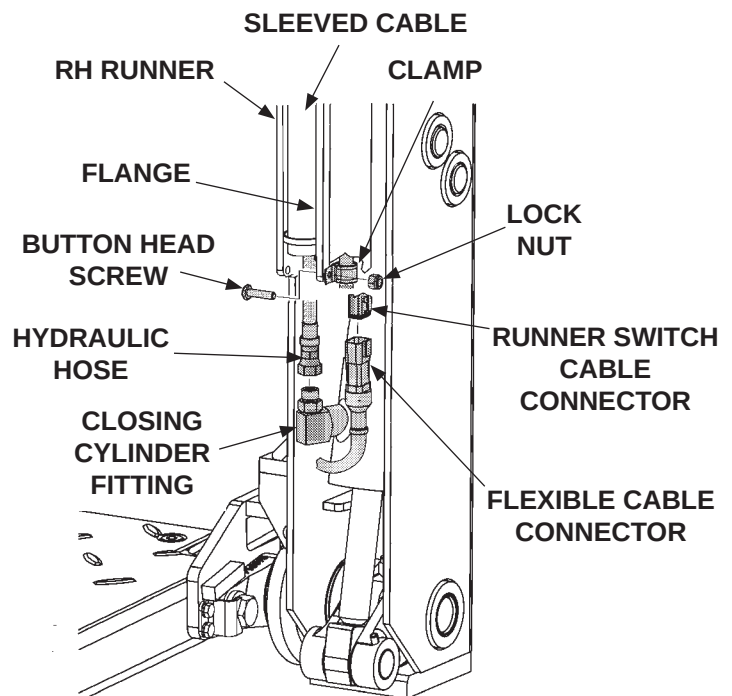


INSTALLING SLEEVED HOSE & CABLE
(RH RUNNER)
FIG. 5-1

2. Connect the RH runner switch cable connector to the flexible cable connector (**FIG. 5-2**).
3. Unplug hydraulic hose. Then connect the hose in the runner to the closing cylinder fitting (**FIG. 5-2**).

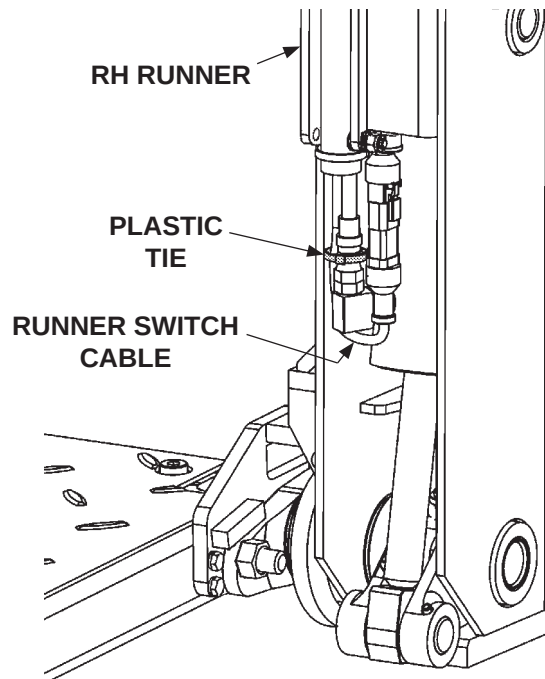
NOTE: Ensure button head screw is inserted from the inboard side of the runner flange.

4. Install button head screw and lock nut (**Kit Items**) to fasten clamp and cable on runner (**FIG. 5-2**).



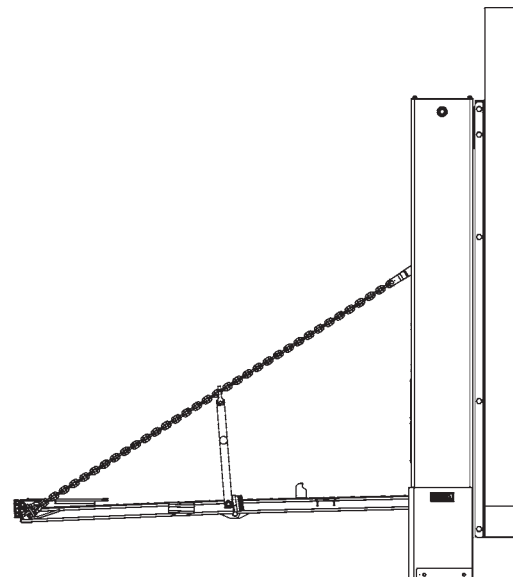
CONNECTING HOSE & CABLE (RH RUNNER)
FIG. 5-2

5. Tie runner switch cable to cylinder closing line as shown in **FIG. 6-1**.



SECURING CABLE TO CLOSING LINE
FIG. 6-1

6. Raise platform (**UP**) as shown in (**FIG. 6-2**).

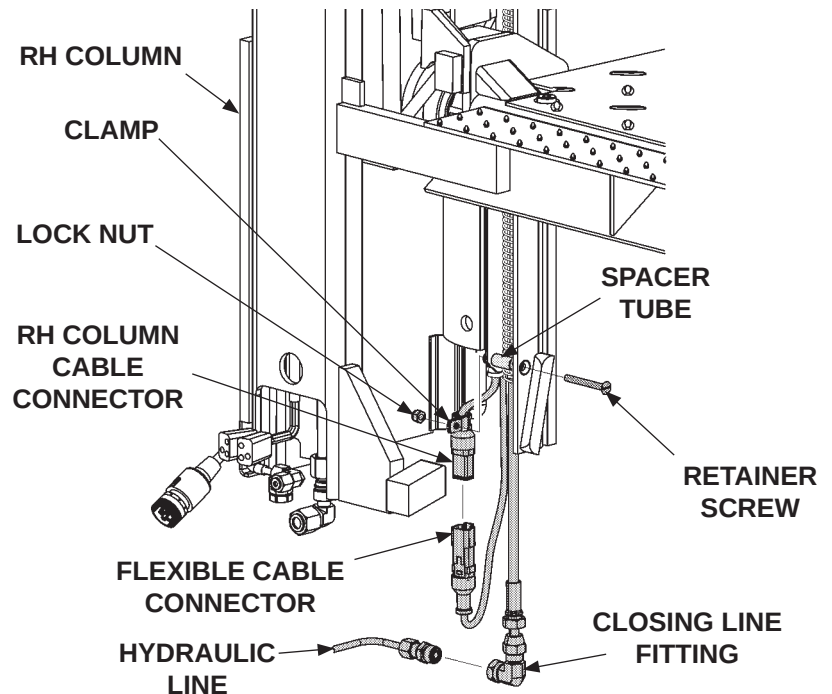


RAISING PLATFORM
FIG. 6-2

7. Connect the RH column cable connector to the flexible cable connector (**FIG. 7-1**).

8. Unplug hydraulic hose. Then connect the hose in the column to the closing line fitting (**FIG. 7-1**).

9. Install old retainer screw, spacer tube, and nut (**FIG. 7-1**). Then, use new lock nut (**Kit Item**) to fasten clamp and cable to column.



**CONNECTING SLEEVED HOSE &
CABLE (RH COLUMN)**
FIG. 7-1

CAUTION

Keep dirt, water and other contaminants from entering the hydraulic system. Before opening the hydraulic fluid reservoir filler cap, drain plug and hydraulic lines, clean up contaminants that can get in the openings. Also, protect the openings from accidental contamination.

Never mix synthetic fluids with conventional hydraulic fluids. Hydraulic system must be purged if the fluids are mixed.

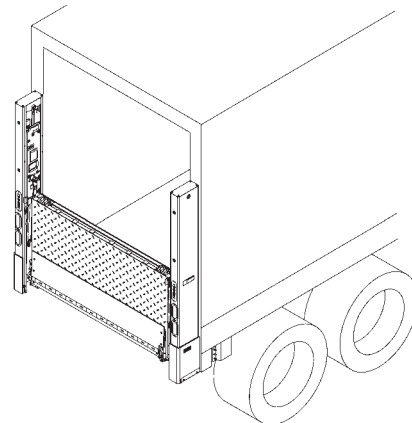
NOTE: Exxon Unis HVI-13 hydraulic fluid is recommended for operating temperatures of **-40 to +120° F**. Refer to decal in pump box. The **ISO-15** fluids in **TABLE 9-1** may be used if the recommended fluids are unavailable. If necessary, the **ISO-32** fluids in **TABLE 9-2** may be used where ordinary seasonal temperatures are near **+100° F** or higher.

NOTE: If the hydraulic fluid in the reservoir is contaminated, do the **CHANGING HYDRAULIC FLUID** procedure in the Maintenance Manual.

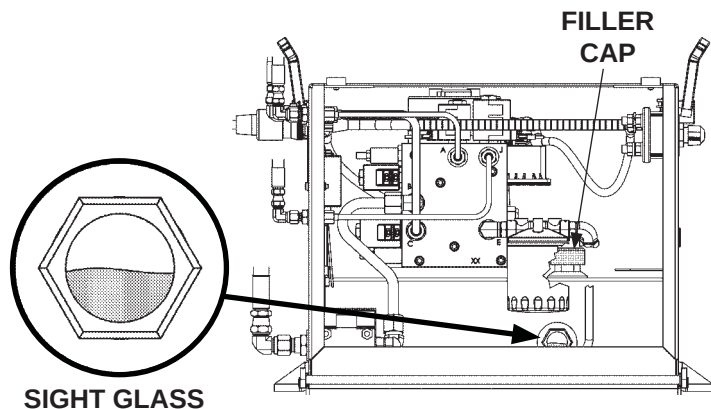
1. Stow the platform in the up position (**FIG. 8-1**).
2. Open the pump box cover to gain access to the sight glass and filler cap (**FIG. 8-2**).

NOTE: Information for checking hydraulic fluid level is also shown on a decal inside the pump box cover.

3. Check the hydraulic fluid level in sight glass (**FIG. 8-2**). Hydraulic fluid level should be at the center of sight glass. If fluid is below the center, add fluid to the reservoir as follows. Remove filler cap (**FIG. 8-2**). Add the correct grade of hydraulic fluid to reservoir until the level is at the center of the sight glass (**FIG. 8-2**).
4. Reinstall filler cap (**FIG. 8-2**) and close the pump box cover.



PLATFORM STOWED
FIG. 8-1



CHECKING HYDRAULIC FLUID LEVEL
FIG. 8-2

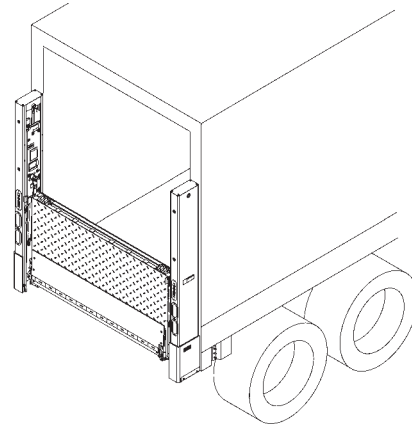
ISO-15 OR MIL-H-5606 TYPE HYDRAULIC OIL	
BRAND	PART NUMBER
CHEVRON	FLUID A, AW-MV-15
KENDALL	GLACIAL BLU
SHELL	TELLUS S2 VX 15
MOBIL	DTE-11M
ROSEMEAD	THS FLUID 17111

TABLE 9-1

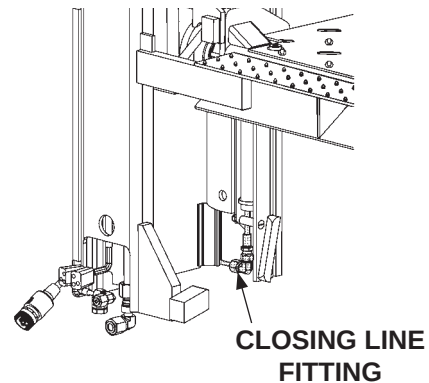
ISO-32 HYDRAULIC OIL	
BRAND	PART NUMBER
CHEVRON	HIPERSYN 32
KENDALL	GOLDEN MV
SHELL	TELLUS S2 VX 32
EXXON	UNIVIS N-32
MOBIL	DTE-13M, DTE-24, HYDRAULIC OIL-13

TABLE 9-2

5. Bleed the air from closing cylinder as follows. With platform folded (**FIG. 10-1**), bleed closing line by loosening closing line fitting (**FIG. 10-2**) and pushing the **FOLD** switch until air is bled from line. Then, tighten closing line fitting.



PLATFORM FOLDED (STOWED)
FIG. 10-1



CLOSING LINE (RH COLUMN)
FIG. 10-2

6. Repeat the **CHECKING HYDRAULIC FLUID** procedure again to ensure hydraulic fluid is at the correct level.