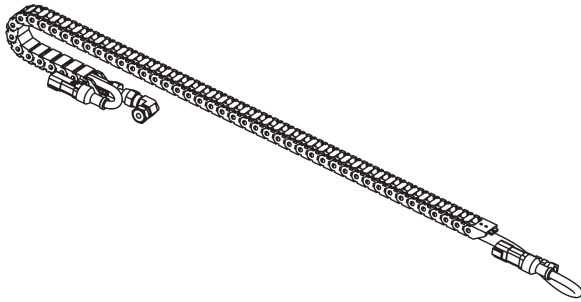


**INSTRUCTION, CARRIER & CABLE KIT
BMRA KIT P/N 287971-01**

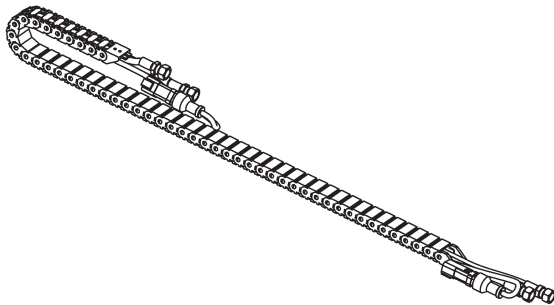


**P/N 287121-01
CARRIER & CABLE ASSEMBLY
(BMRA)
QTY. 1**



**P/N 205780
PLASTIC TIE, 7" LG.
(BMRA)
QTY. 1**

BMRSD KIT P/N 287972-01



**P/N 287125-01
CARRIER & CABLE ASSEMBLY
(BMRSD)
QTY. 1**



**P/N 205780
PLASTIC TIE, 7" LG.
(BMRSD)
QTY. 4**

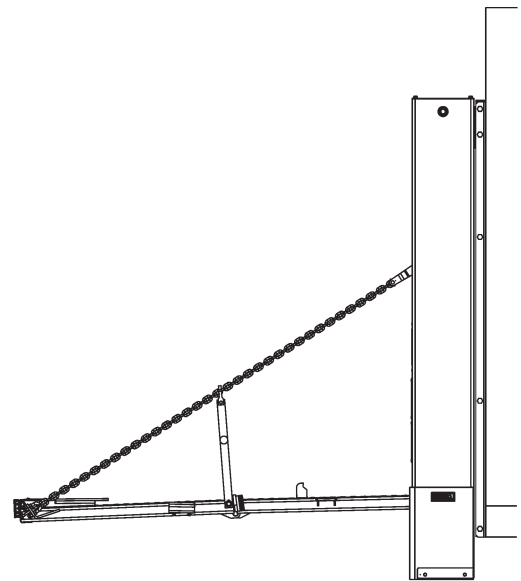
CAUTION

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: 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.

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

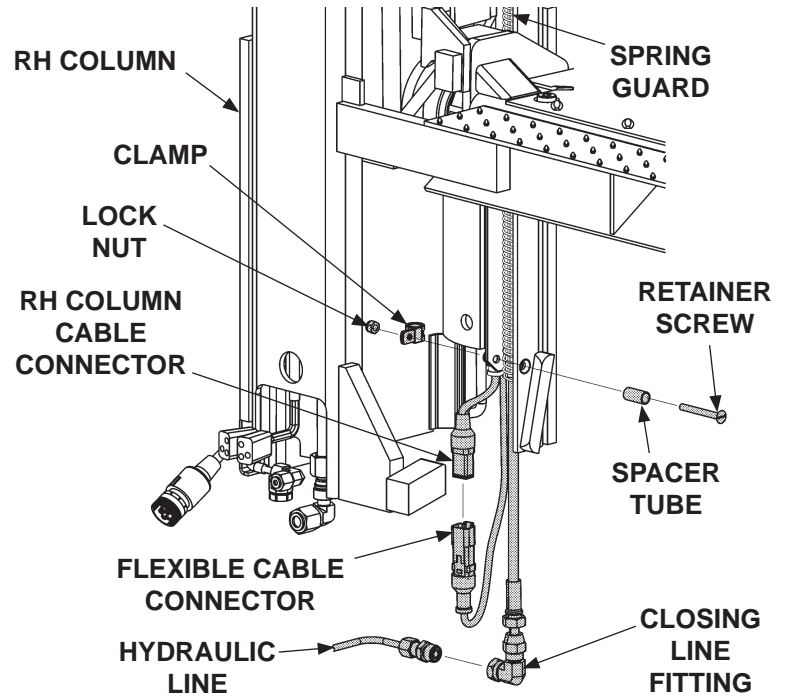


UNFOLDING PLATFORM
FIG. 2-1

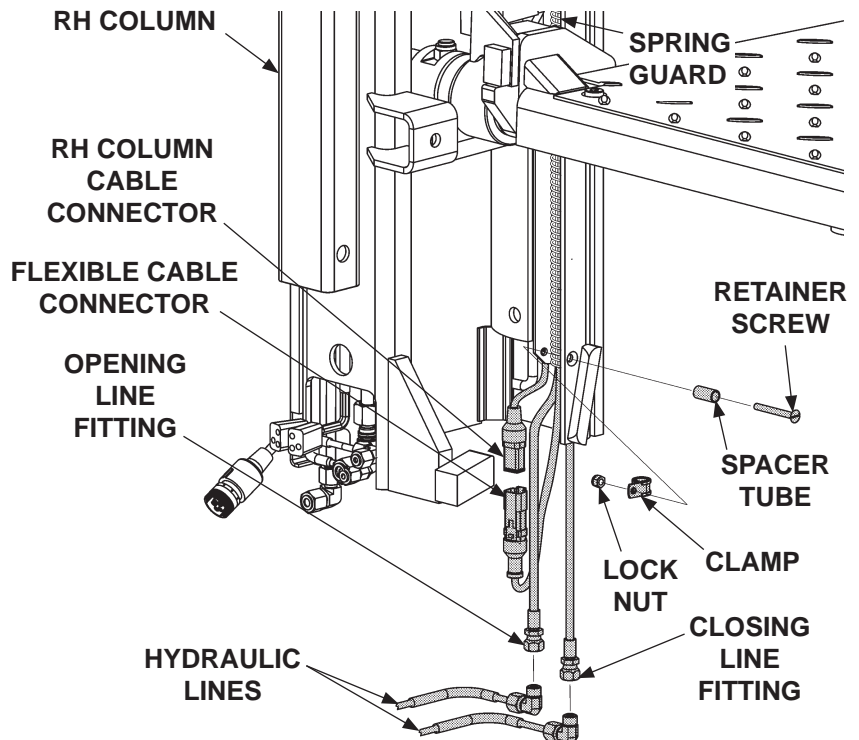
2. Remove retainer screw, spacer tube, clamp and lock nut from RH column (FIGS. 3-1 or 3-2). If necessary, reposition cable and hoses for easier access.
3. For **BMRA**, disconnect the hydraulic hose in the column from the closing line fitting (FIG. 3-1). Plug hose to prevent spills.

For **BMRSD**, disconnect the hydraulic hoses in the column from the opening and closing line fittings (FIG. 3-2). Plug hoses to prevent spills.

4. Disconnect the RH column cable connector from the flexible cable connector (FIGS. 3-1 or 3-2).

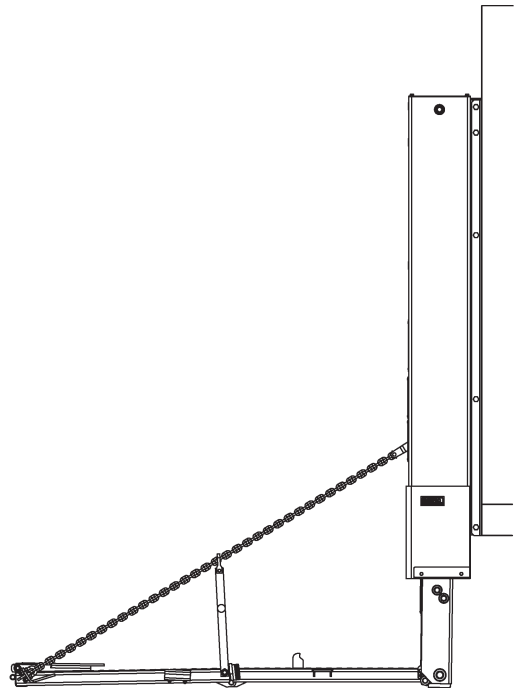


DISCONNECTING COLUMN HOSE & CABLE - BMRA
FIG. 3-1



DISCONNECTING COLUMN HOSES & CABLE - BMRSD
FIG. 3-2

5. Lower the platform (**DOWN**) to the ground (**FIG. 4-1**).



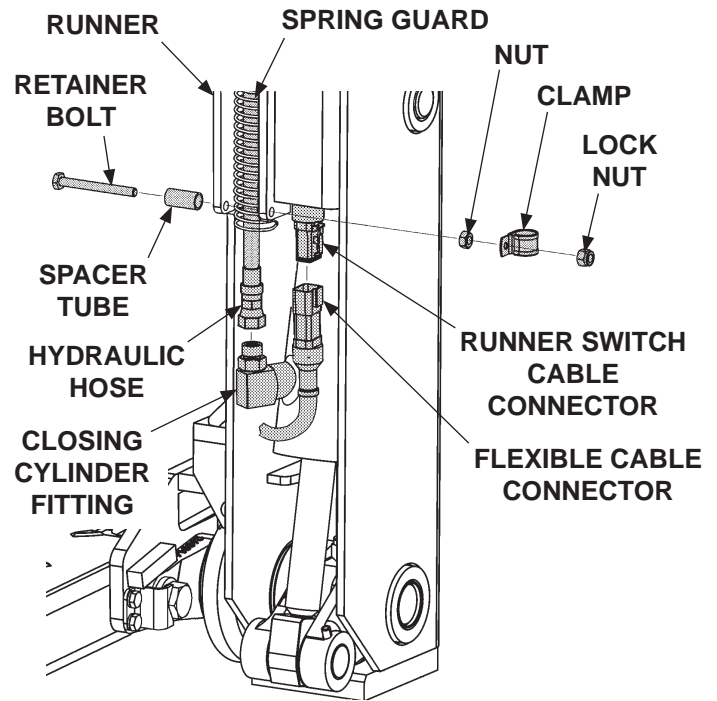
LOWERING PLATFORM
FIG. 4-1

6. Remove retainer bolt, spacer tube, clamp, nut and lock nut from RH runner (FIGS. 5-1 or 5-2). If necessary, reposition cable and hoses for easier access.

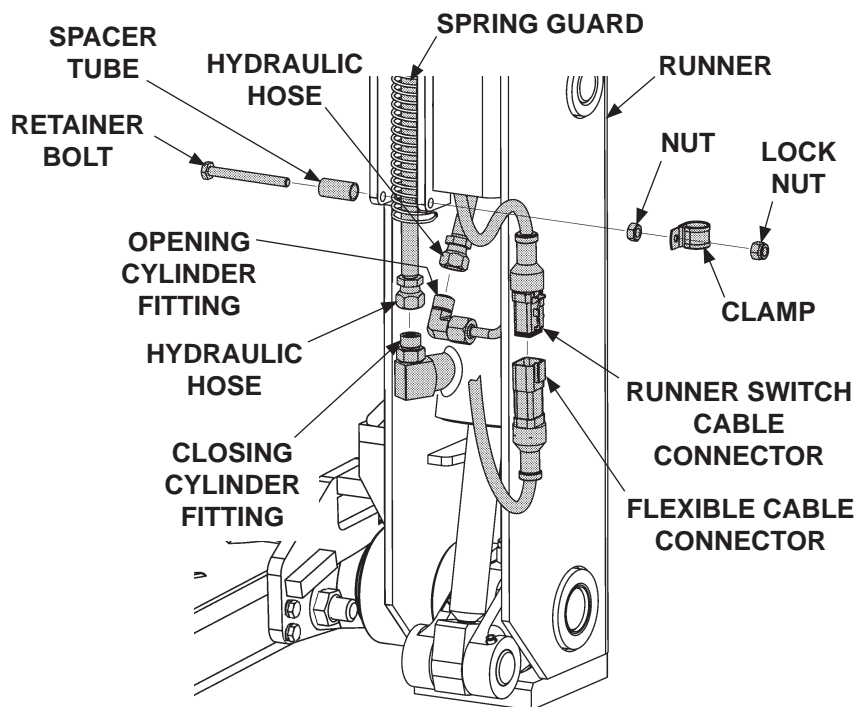
7. For **BMRA**, disconnect the hydraulic hose in the runner from the closing cylinder fitting (FIG. 5-1). Plug hose to prevent spills.

For **BMRSD**, disconnect the hydraulic hoses in the runner from the opening line fitting and closing cylinder fitting (FIG. 5-2). Plug hoses to prevent spills.

8. Disconnect the runner switch cable from the flexible cable connector (FIGS. 5-1 or 5-2).

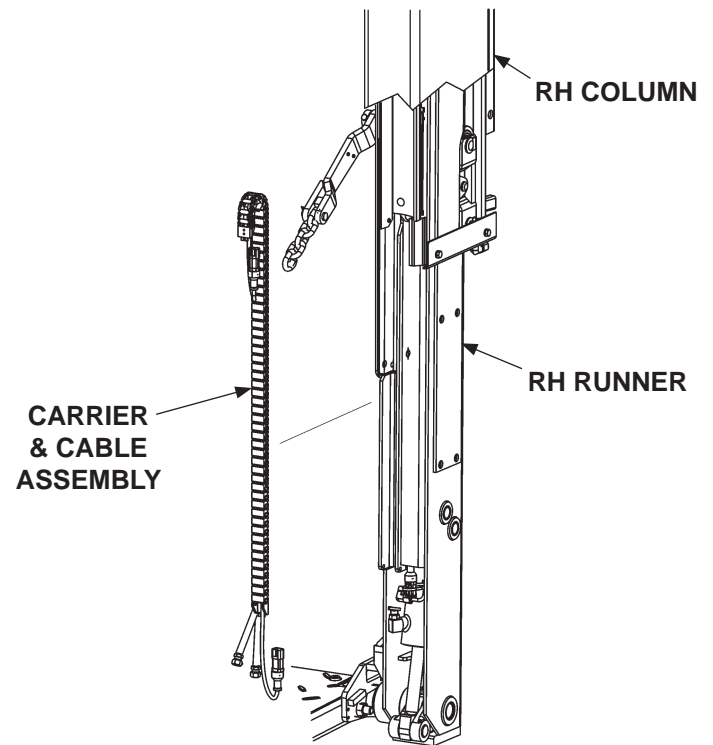


DISCONNECTING RUNNER HOSE & CABLE - BMRA
FIG. 5-1



DISCONNECTING RUNNER HOSES & CABLE - BMRSD
FIG. 5-2

9. Install carrier and cable assembly as shown in **FIG. 6-1**.



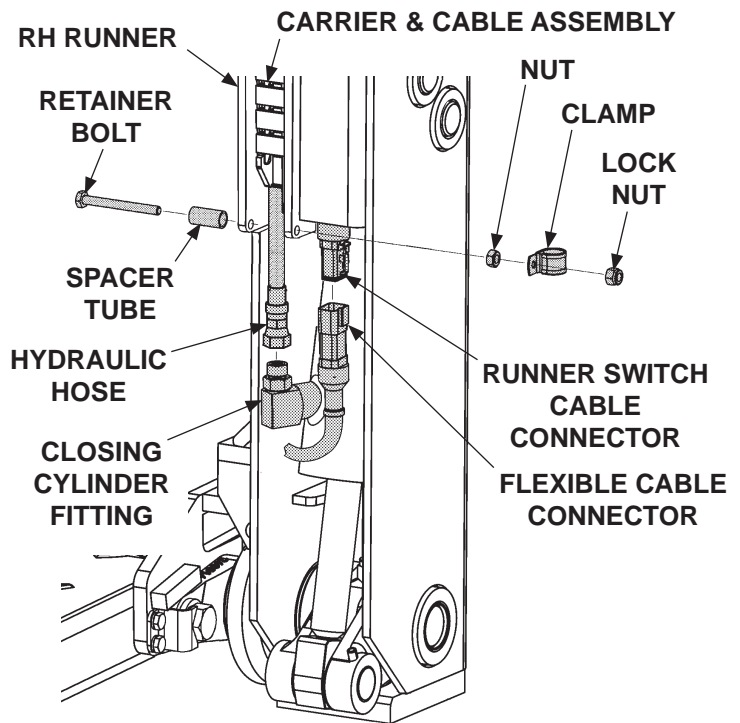
**INSTALLING CARRIER &
CABLE ASSEMBLY
(BMRSD SHOWN)
FIG. 6-1**

10. Connect the runner switch cable to the flexible cable connector (FIGS. 7-1 or 7-2).

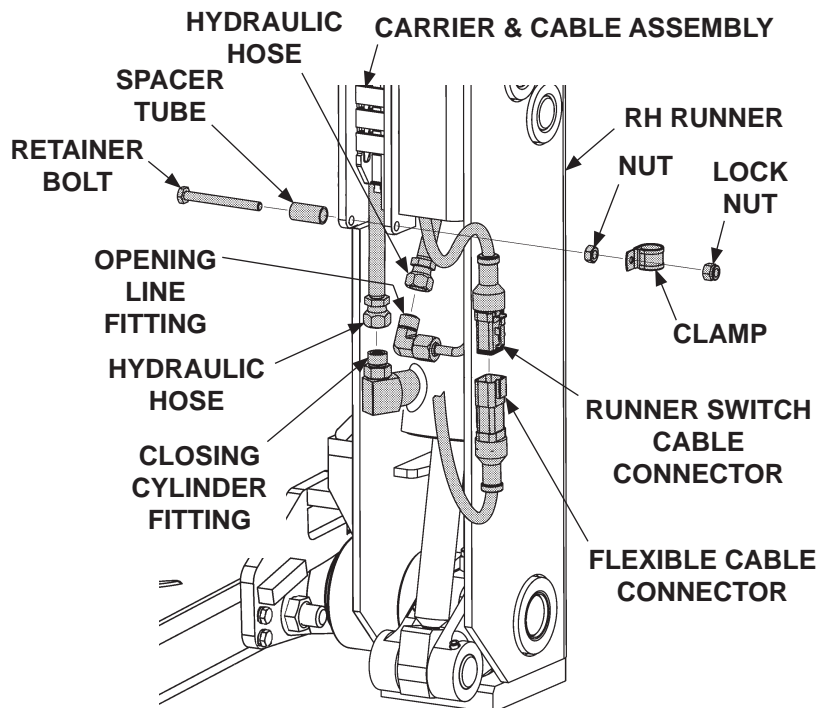
11. For **BMRA**, unplug hydraulic hose. Then connect the hose in the runner to the closing cylinder fitting (FIG. 7-1).

For **BMRSD**, unplug hydraulic hoses. Then connect the hoses in the runner to the opening line fitting and closing cylinder fitting (FIG. 7-2).

12. Reinstall retainer bolt, spacer tube, clamp, nut and lock nut on runner (FIGS. 7-1 or 7-2).



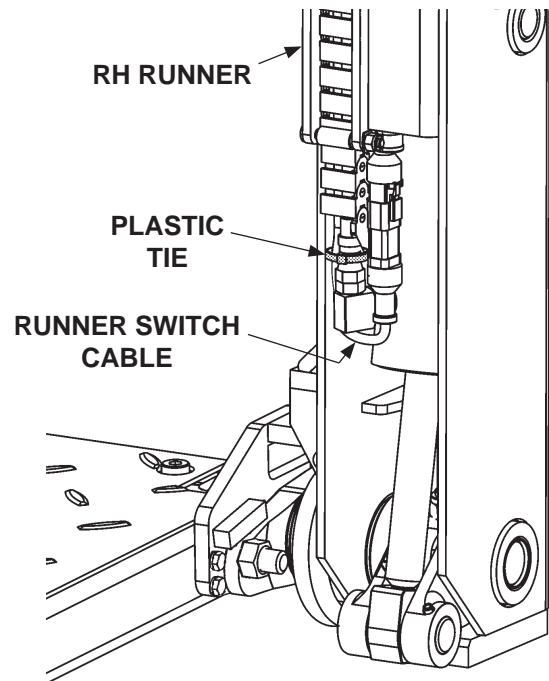
CONNECTING RUNNER HOSE & CABLE - BMRA
FIG. 7-1



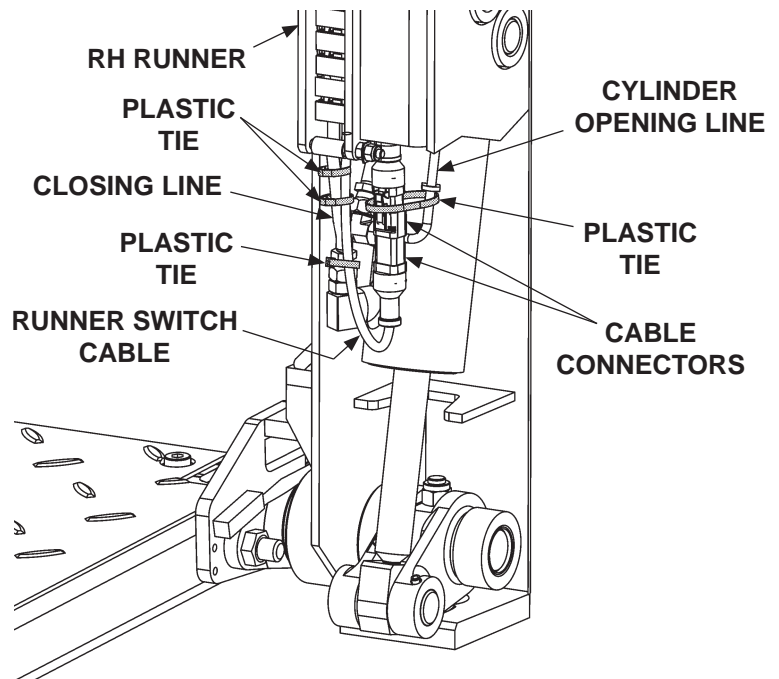
CONNECTING RUNNER HOSES & CABLE - BMRSD
FIG. 7-2

13. For **BMRA**, tie runner switch cable to cylinder closing line as shown in **FIGS. 8-1**.

For **BMRSD**, tie cable connectors to cylinder opening line (**FIG. 8-2**). Then, tie runner switch cable to the closing line as shown in **FIG. 8-2**.

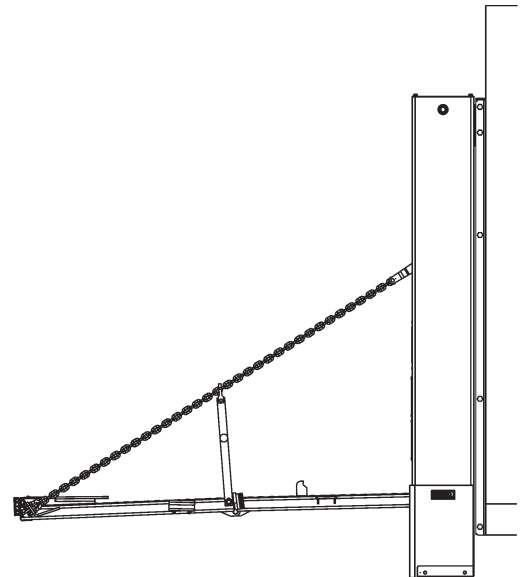


ATTACHING PLASTIC TIES - BMRA
FIG. 8-1



ATTACHING PLASTIC TIES - BMRSD
FIG. 8-2

14. Raise platform (**UP**) as shown in **FIG. 9-1**.



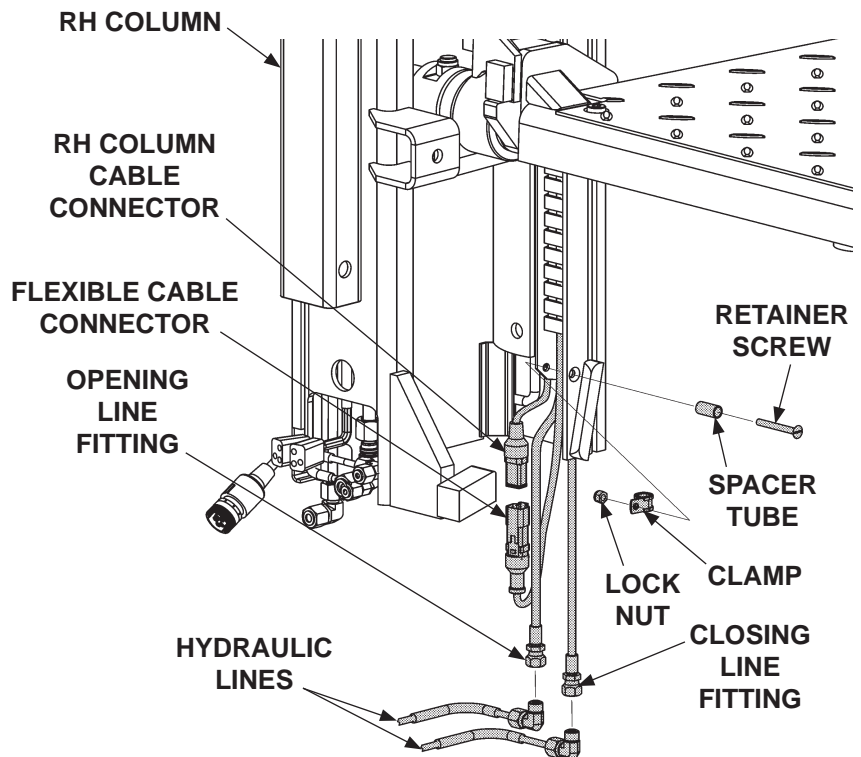
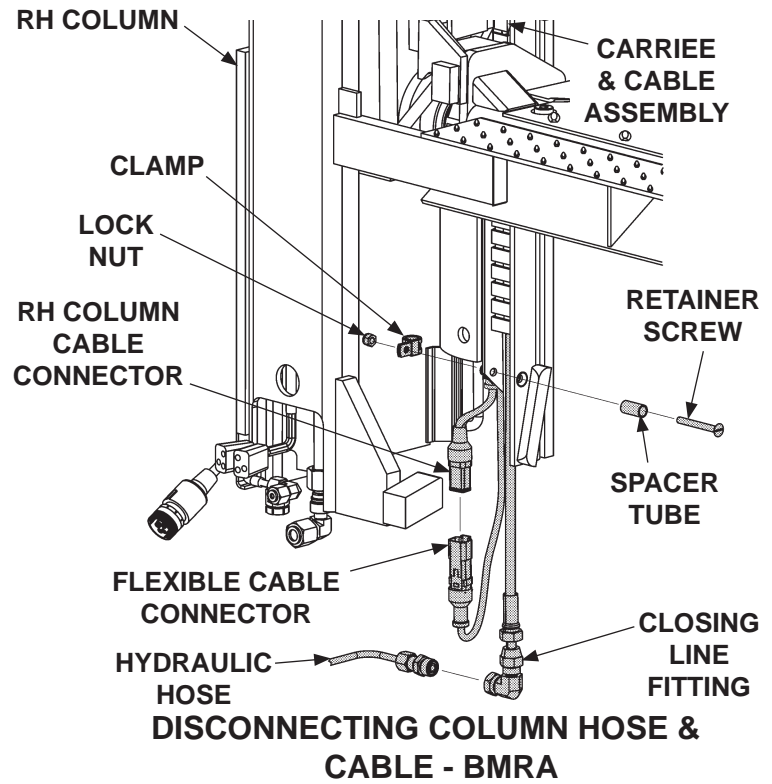
UNFOLDING PLATFORM
FIG. 9-1

15. Connect the RH column cable connector to the flexible cable connector (**FIGS. 10-1 or 10-2**).

16. For **BMRA**, unplug hydraulic hose. Then connect the hose in the column to the closing line fitting (**FIG. 10-1**).

For **BMRSD**, unplug hydraulic hoses. Then connect the hoses in the column to the opening and closing line fittings (**FIG. 10-2**).

17. Reinstall retainer screw, spacer tube, clamp, nut and lock nut on RH column (**FIGS. 10-1 or 10-2**).



DISCONNECTING COLUMN HOSES & CABLE - BMRSD
FIG. 10-2

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.

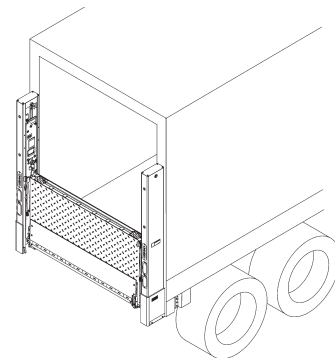
Never mix synthetic fluids with conventional hydraulic fluids. Hydraulic system must be purged if the fluids are mixed.

NOTE: Exxon Univis 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 12-1** may be used if the recommended fluids are unavailable. If necessary, the **ISO-32** fluids in **TABLE 12-2** 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.

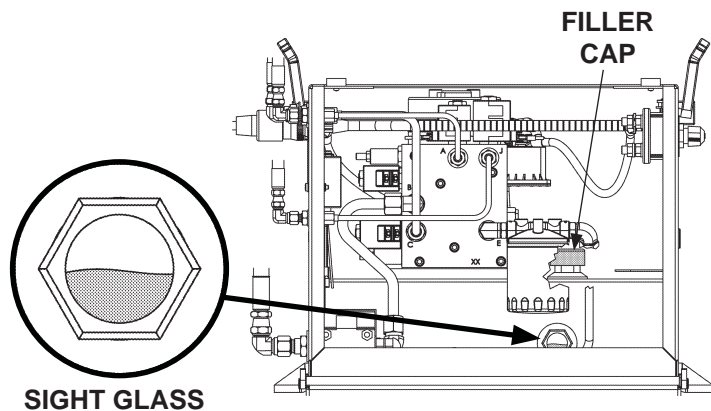
18. Stow the platform in the up position (**FIG. 11-1**).
19. Open the pump box cover to gain access to sight glass and filler cap (**FIG. 11-2**).

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



STOWING PLATFORM
FIG. 11-1

20. Check the hydraulic fluid level in sight glass (**FIG. 11-2**). 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. 11-2**). Add the correct grade of hydraulic fluid to reservoir until the level is at the center of the sight glass (**FIG. 11-2**).
21. Reinstall filler cap (**FIG. 11-2**) and close the pump box cover.



CHECKING HYDRAULIC FLUID LEVEL
FIG. 11-2

ISO-15 OR MIL-H-5606 TYPE HYDRAULIC OIL	
BRAND	PART NUMBER
AMSOIL	AWF-05
CHEVRON	FLUID A, AW-MV-15
KENDALL	GLACIAL BLU
SHELL	TELLUS S2 V15
MOBIL	DTE-11M
ROSEMEAD	THS FLUID 17111

TABLE 12-1

ISO-32 HYDRAULIC OIL	
BRAND	PART NUMBER
AMSOIL	AWH-05
CHEVRON	HIPERSYN 32
KENDALL	GOLDEN MV
SHELL	TELLUS S2 V32
EXXON	UNIVIS N-32
MOBIL	DTE-13M, DTE-24, HYDRAULIC OIL-13

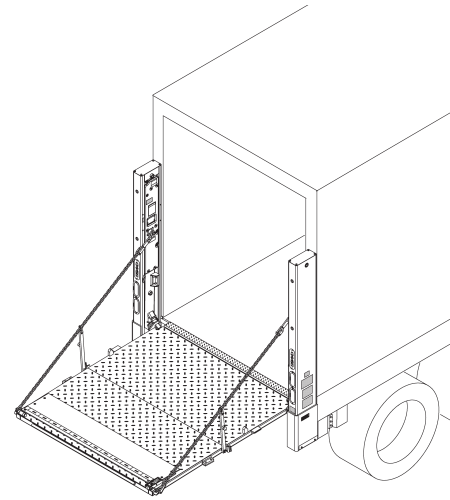
TABLE 12-2

22. Bleed the air from BMRA closing cylinder or BMRSD opening/closing cylinders as follows.

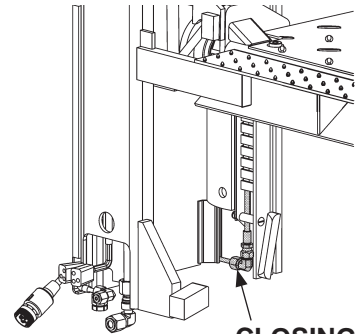
With platform folded, bleed closing line by loosening closing line fitting (**FIGS. 13-2 and 13-3**) and pushing the **FOLD** switch until air is bled from line. Then, tighten closing line fitting.

For bleeding opening line (BMRSD only), **UNFOLD** the platform (**FIG. 13-1**). Next, loosen opening line fitting (**FIG. 13-3**) and push the **UNFOLD** switch until air is bled from line. Then, tighten opening line fitting.

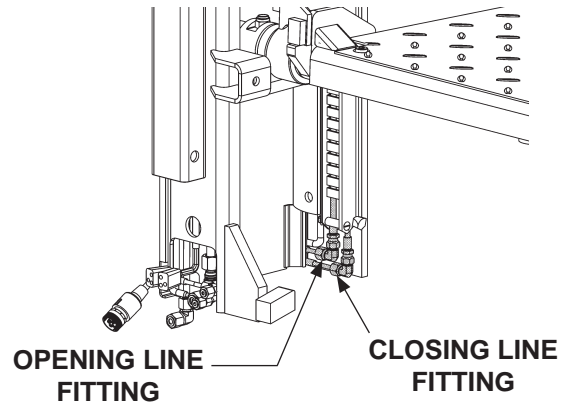
23. Repeat the **CHECKING HYDRAULIC FLUID** procedure again to ensure hydraulic fluid is at the correct level.



**UNFOLDING THE PLATFORM
FIG. 13-1**



**CLOSING LINE - BMRA
FIG. 13-2**



**OPENING AND CLOSING LINE - BMRSD
FIG. 13-3**