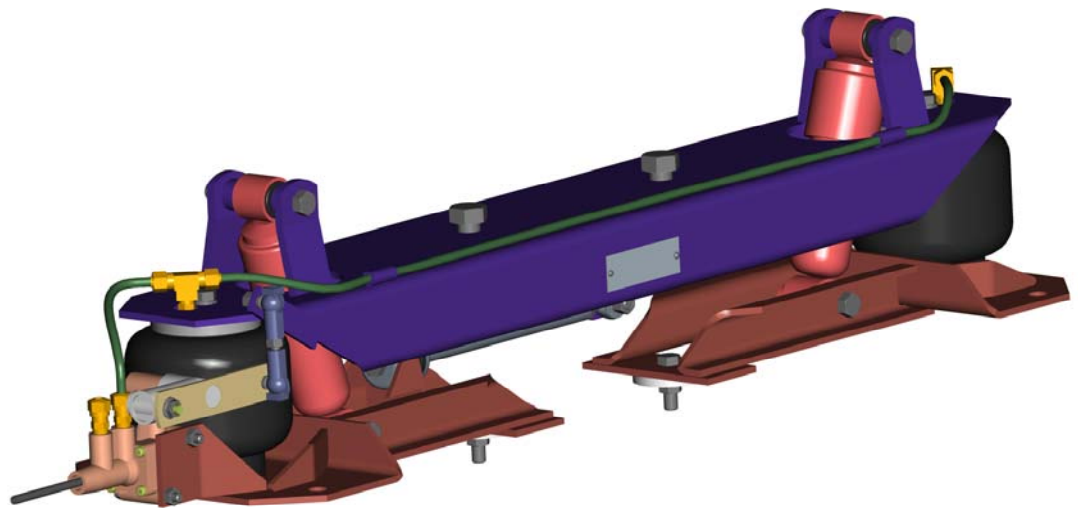


INSTALLATION INSTRUCTIONS



FRTC120-A (2240-A000)
FRTC120-AW (2240-B000)



The **CABMATE MODEL FRTC120-A** fits most FLC120 Series Freightliner Conventional Tractors **manufactured before April of 1988**. It replaces the original rear cab support channel and two cab mount isolators. It is designed for tractors with standard duty crossmembers. **Heavy duty crossmembers will require ordering CABMATE Model FRTC120-AW.** (Order Part Nos. 2240-4000 and 2240-5000 to convert a FRTC120-A to a FRTC120-AW.)

Link mfg. Ltd.
223 15th St. N.E.
Sioux Center, IA USA
51250-2120

(712) 722-4874
Fax (712) 722-4876

**QUESTIONS?
CALL CUSTOMER
SERVICE
1-800-222-6283**

UNIT WEIGHT : 40.0 LB.

NET WEIGHT ADDED: 24.0 LB.

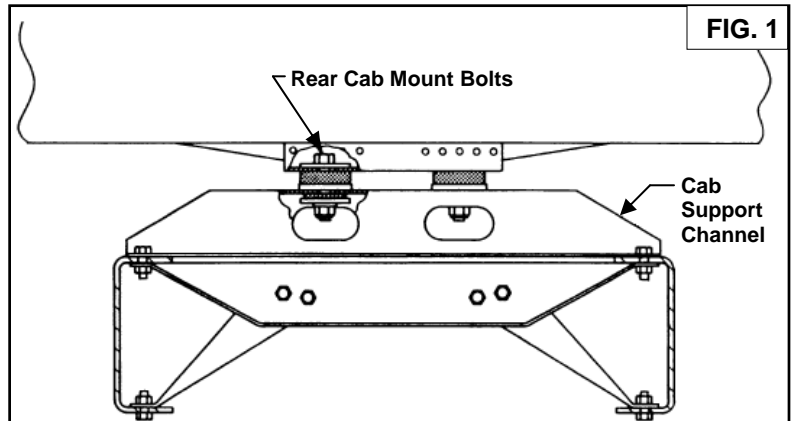
CABMATE MODEL FRTC120-A

Review the Parts List on page 3 to become familiar with the different components of the CABMATE.

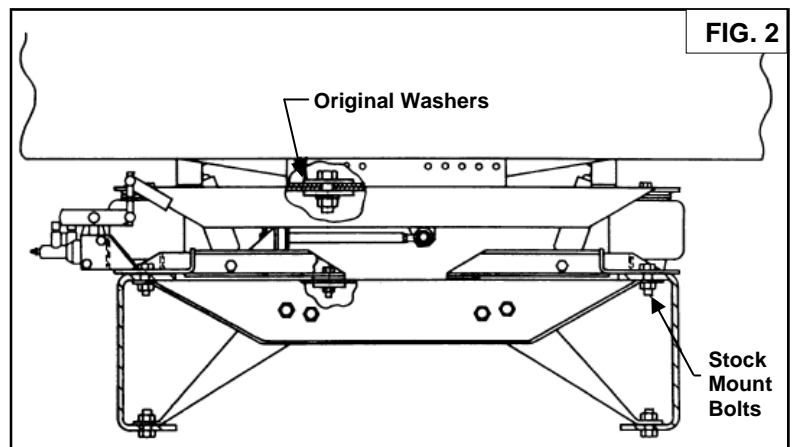
IMPORTANT: Due to many chassis variables caused by installation of special equipment or options, the fit of the FRTC120-A CABMATE may be affected and should be evaluated before beginning installation.

IMPORTANT: Installation of the CABMATE system will allow the cab to move freely. Before starting installation, check clearances between the cab and any objects the cab may contact when it moves (1 1/2 inches of clearance should be sufficient). The clearance of components that are affected by cab movement, such as exhaust and radiator systems, must also be evaluated.

A. Remove the two rear cab mount bolts. Securely prop up the cab and remove the cab support channel. **SAVE** all stock mount bolts for later use (Fig. 1). **NOTE:** Partial disassembly of the unit from its shipping condition may be required.



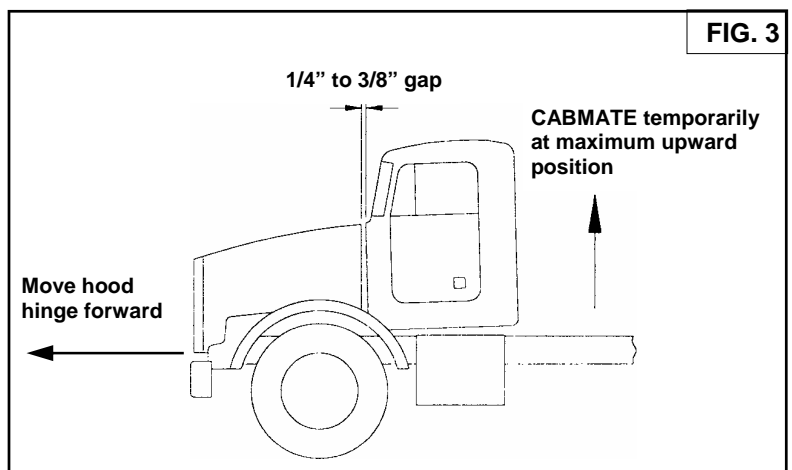
B. Securely fasten the Unit Top to the cab frame using the original washers and the 5/8 mounting bolts supplied by Link Mfg. (Item No.'s 12, 17, and 23 on the Parts List) (Fig. 2)



C. Slowly lower the Cab until the bottom of the CABMATE touches the crossmember. Fasten the Unit Bottoms to the crossmember using the stock mount bolts and the 3/8 mounting hardware supplied by Link Mfg. (Items 11, 20, and 29 on the Parts List) (Fig.2). **SECURELY TIGHTEN ALL FASTENERS.** Lower the cab completely.

D. See page 2 for plumbing instructions and height adjustments.

E. **IMPORTANT:** After plumbing and height control adjustments are completed, temporarily adjust the CABMATE to its maximum upward position. There must be a 1/4" to 3/8" gap between the cab and the hood. Adjust the hood hinge forward as necessary (Fig. 3).



CABMATE MODEL FRTC120-AW

Review the Parts List on page 3 to become familiar with the different components of the CABMATE.

IMPORTANT: Due to many chassis variables caused by installation of special equipment or options, the fit of the FRTC120-AW CABMATE may be affected and should be evaluated before beginning installation.

IMPORTANT: Installation of the CABMATE system will allow the cab to move freely. Before starting installation, check clearances between the cab and any objects the cab may contact when it moves (1 1/2 inches of clearance should be sufficient). The clearance of components that are affected by cab movement, such as exhaust and radiator systems, must also be evaluated.

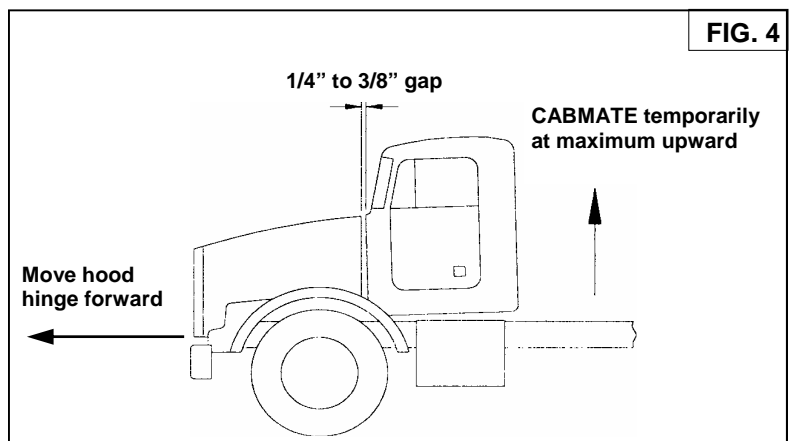
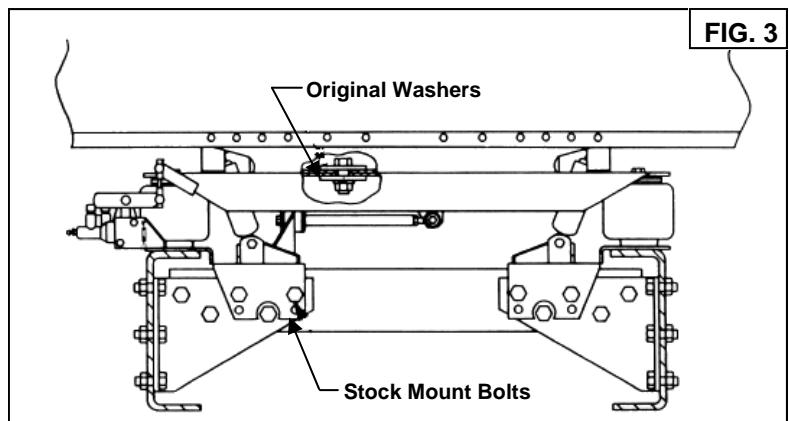
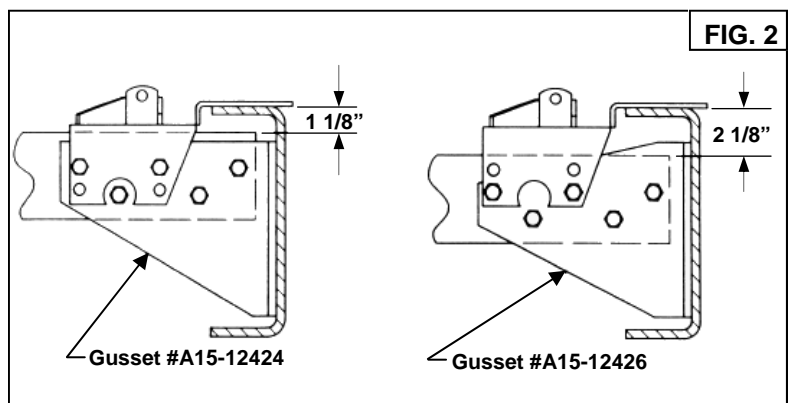
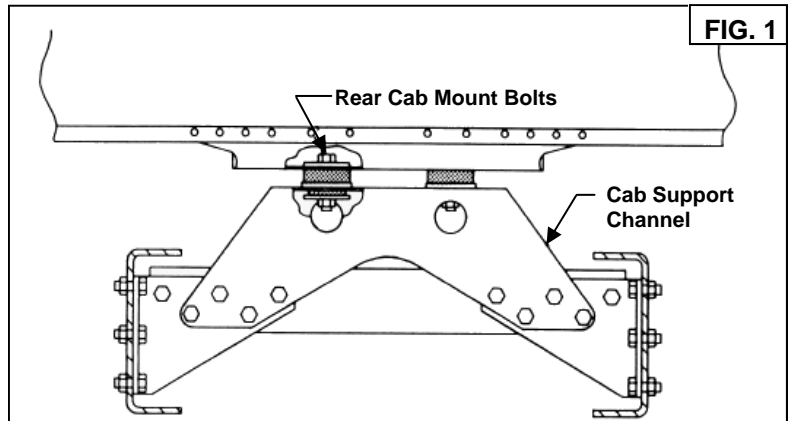
A. Remove the two rear cab mount bolts. Securely prop up the cab and remove the cab support channel. **SAVE** all stock mount bolts for later use (Fig. 1). **NOTE:** Partial disassembly of the unit from its shipping condition may be required. Detach the Web Mount Brackets from the Unit Top by removing the Bottom Shock Absorber Bolts, Lateral Control Rod, Bottom Air Spring Bolts, and the Valve Linkage.

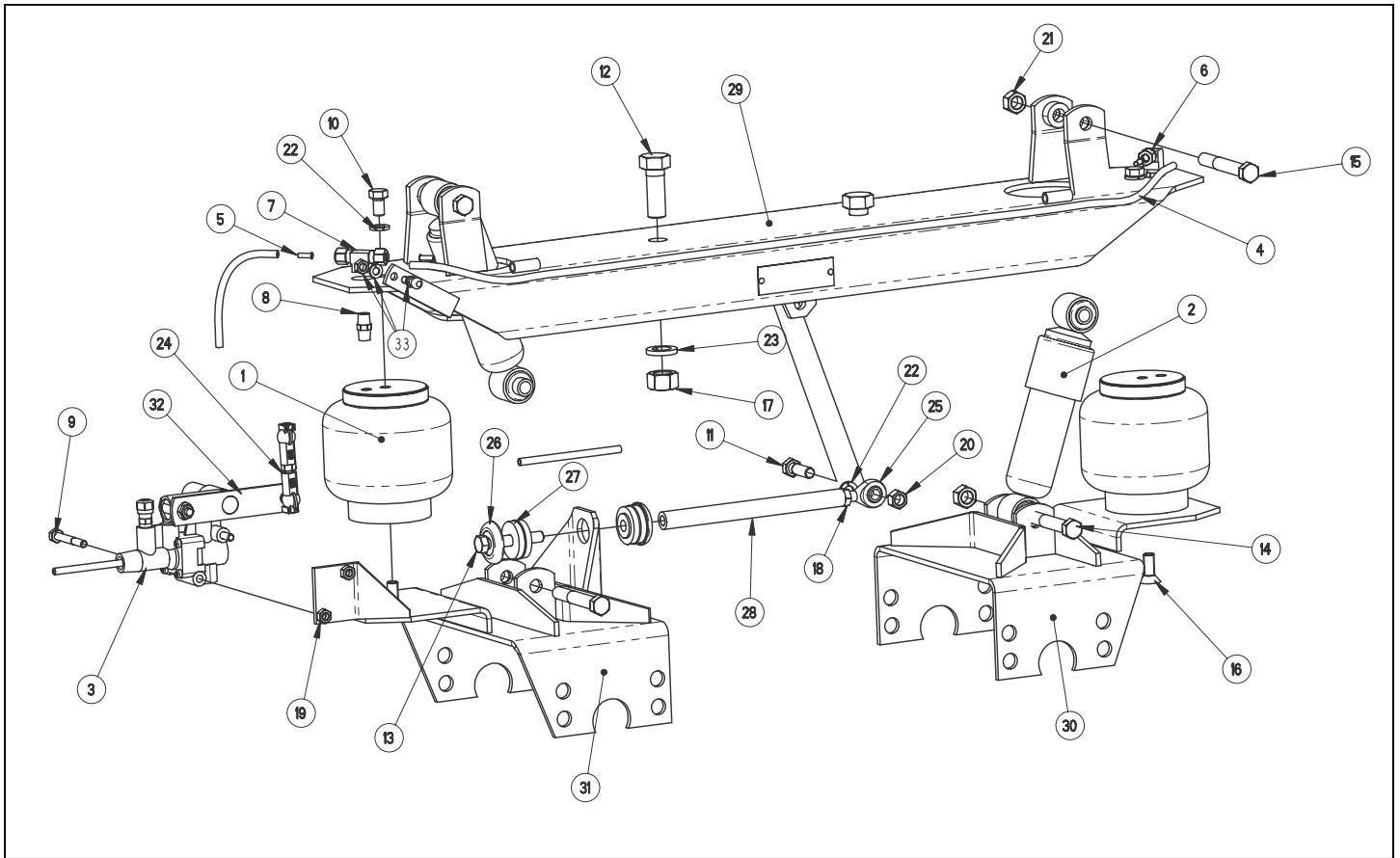
B. Place the Web mount Brackets in the mounting position as shown in figure 3. **DO NOT** fasten them to the crossmember at this time. Securely fasten the Unit Top to the cab frame using the original washers and the 5/8 mounting bolts supplied by Link Mfg. (Item No.'s 12, 17 and 23 on the Parts List (Fig. 3).

C. Reassemble the CABMATE. Slowly lower the cab until the mount holes in the Web Mount Brackets are aligned with the mount holes in the crossmember (See Fig. 2 for correct mounting configuration). Fasten the Web Mount Brackets to the crossmember using the stock mount bolts (Fig. 3). **SECURELY TIGHTEN ALL FASTENERS.** Lower the cab completely.

D. See page 2 for plumbing instructions and height adjustments.

E. **IMPORTANT:** After plumbing and height control adjustments are completed, temporarily adjust the CABMATE to its maximum upward position. There must be a 1/4" to 3/8" gap between the cab and the hood. Adjust the hood hinge forward as necessary (Fig. 4).



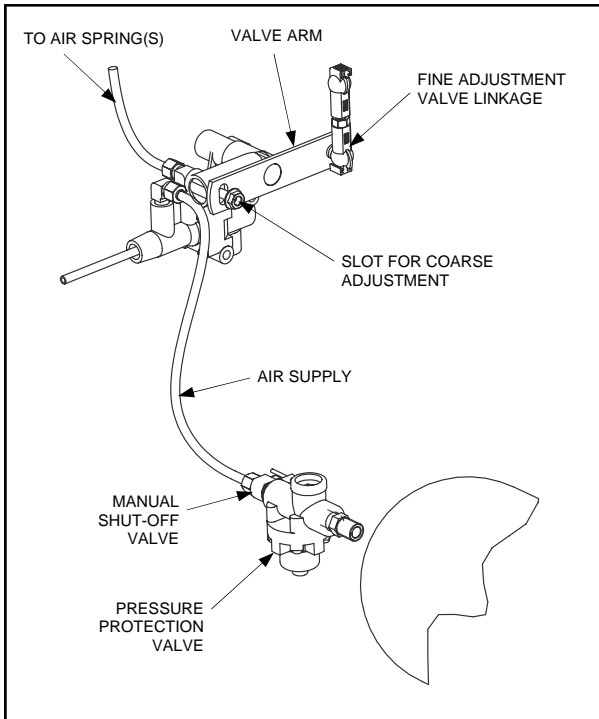


CABMATE® MODEL FRTC120-AW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1	1102-0022	SPRING-AIR	2	18	1475-1200	3/8 UNF HEX JAM NUT	1
2	1201-0012	SHOCK ABSORBER	2	19	1476-0800	1/4 UNC HEX CTR LOCK NUT (GR B)	2
3	1301-0040	VALVE-CONTROL, HEIGHT	1	20	1476-1200	3/8 UNC HEX CENTER LOCK NUT (GR B)	3
4	1302-0090	AIRLINE-NYLON, .250 O.D., BULK	3.31 ft	21	1477-1400	7/16 UNF HEX CTR LOCK NUT (GR B)	4
5	1302-1038	.25 TUBE SUPPORT	3	22	1485-1200	3/8 LOCK WASHER	3
6	1302-1131	ELBOW, 1/4 TB 1/8 F-NPT	1	23	1485-2000	5/8 LOCK WASHER	2
7	1302-1150	BRANCH TEE, 1/4 TB 1/8 F-NPT	1	24	1500-0232	LINKAGE-VALVE, HEIGHT CONTROL (2.25)	1
8	1302-2064	HEX NIPPLE, 1/8 M-NPT	2	25	1500-0800	BALL JOINT ROD END	1
-	1350-0000	KIT-PROTECTION, PRESSURE	1	26	1500-0820	RETAINER WASHER	2
9	1401-0816	1/4 X 2 UNC HEX CAP SCR (GR 5)	2	27	1500-0830	RUBBER BUSHING	2
10	1401-1205	3/8 X 5/8 UNC HEX CAP SCR (GR 5)	2	28	2230-3006	LATERAL CONTROL ROD	1
11	1401-1210	3/8 X 1 1/4 UNC HEX CAP SCR (GR 5)	3	29	2240-1000	UNIT TOP	1
12	1401-2014	5/8 X 1 3/4 UNC HEX CAP SCR (GR 5)	2	30	2240-2000	UNIT BOTTOM NON-VALVE SIDE	1
13	1403-1218	3/8 X 2 1/4 UNF HEX CAP SCR (GR 5)	1	31	2240-3000	UNIT BOTTOM VALVE SIDE	1
14	1403-1424	7/16 X 3 UNF HEX CAP SCR (GR 5)	2	32	2990-0700	ASSEMBLY-ARM, VALVE	1
15	1403-1426	7/16 X 3 1/4 UNF HEX CAP SCR (GR 5)	2	33	2991-0024	KIT-PIVOT BALL	1
16	1417-1208	3/8 X 1 UNC SOC FLAT CSK HD CAP SCREW	2	-	3240-1000	KIT-DOCUMENT, FRTC120-A (AFTM)	1
17	1470-2000	5/8 UNC HEX NUT (GR B)	2				

PLUMBING INSTRUCTIONS

WARNING: FOR SAFETY PURPOSES THE CABMATE MUST BE SUPPLIED FROM A PRESSURE PROTECTED CIRCUIT. IN THE EVENT OF AN AIR LEAK IN THE CAB SUSPENSION, FAILURE TO PROVIDE A PRESSURE PROTECTED CIRCUIT MAY CAUSE LOSS OF AIR PRESSURE TO VITAL SYSTEMS ON THE VEHICLE.



WARNING: LOSS OR APPLICATION OF AIR PRESSURE TO CABMATE WILL CAUSE SUDDEN MOVEMENT OF THE CAB. PRIOR TO INSTALLING OR PERFORMING MAINTENANCE, BLOCK UP THE CABMATE TO PREVENT THE POSSIBILITY OF INJURY.

WARNING: CONNECT THE CABMATE DIRECTLY TO THE MAIN AIR TANK. YOU WILL NEED AN AIR PRESSURE PROTECTION VALVE IN THE LINE. (INCLUDED IN THE PRESSURE PROTECTION KIT. LINK MFG. PART NO. 1350-0000). DO NOT USE AN AIR PRESSURE REGULATOR!

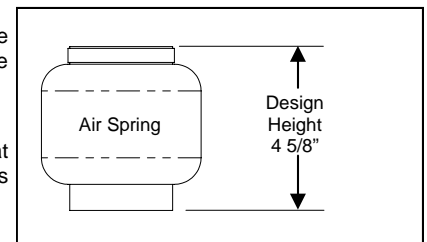
- A.** With the tank at 0 p.s.i., remove the existing plug or fitting from the desired port.
- B.** Apply joint compound to the fittings and install the pressure protection kit. DO NOT USE TEFLON TAPE. Be sure that the arrows on the valve are pointing in the direction of air flow and the vent hole is pointed down. NOTE: Additional fittings/reducers may be required to attach the hex nipple to the main air tank.
- C.** Run the 1/4" airline from the shut-off valve to the CABMATE. Be sure that the airline has enough clearance so that there are no pinch points that may restrict or cut the airline. Secure the airline using the cable ties supplied by Link Mfg.
- D.** Tighten all plumbing fittings. Then, with the system at operating pressure (90 to 110 p.s.i.), open the Manual Shut-off Valve to supply air to the CABMATE. Check the system for air leaks.
- E.** Check for proper operation of the height control valve. Disconnect the valve linkage from the lever. Push the lever down 45°, air should flow into the air spring (s). Return the lever to the neutral position. Push the lever up 45°, air should exhaust from the air spring(s). Return the lever to the neutral position; no air should flow. Reconnect the valve linkage to the lever.

HEIGHT ADJUSTMENTS

Measure the design height of the air spring(s). The height should be 4 5/8" inches ± 1/16. To change the height, disconnect one end of the valve linkage and adjust accordingly. Tighten the lock nuts on the valve linkage.

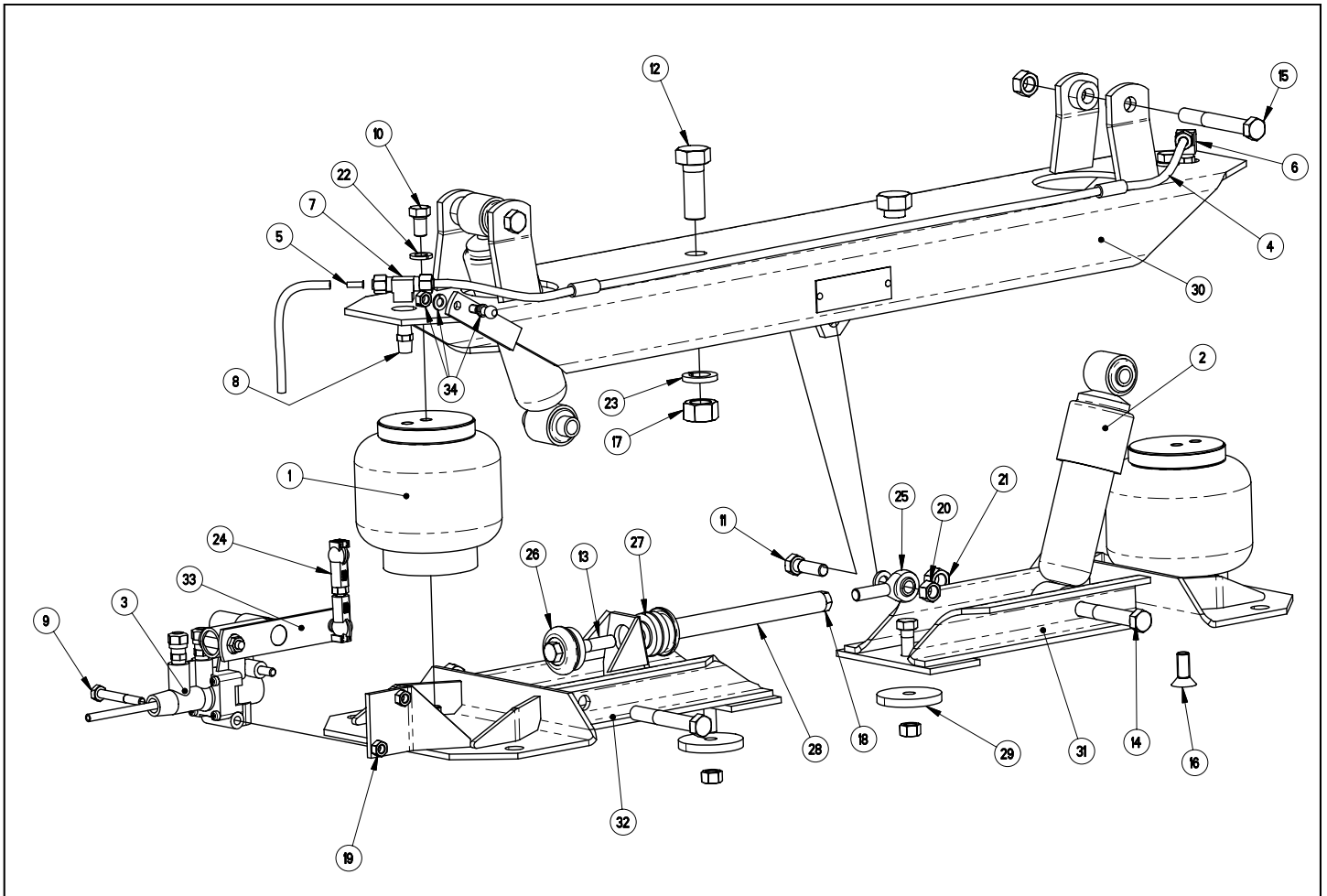
MAINTENANCE

CABMATES need no lubrication and little maintenance. The following components should be checked at the time the truck is being serviced. However, immediate corrective action should be taken if a serious malfunction occurs.



COMPONENT	POSSIBLE PROBLEM	CORRECTIVE ACTION	TORQUE
Airlines	Air leaks	Replace airline	Compression Nut Hand Tight + 1 Turn
Fittings	Air leaks	Remove fitting and apply fresh joint compound. Reinstall fitting, but Do Not Overtighten. Do not use teflon tape.	Threaded into: Metal Plastic 15 Hand Tight Ft. Lbs. + 1 Turn
Air Springs	A. Improper height B. Air leakage	A. Adjust valve linkage to maintain proper air spring height. B. Replace air spring.	Size Metal Plastic 3/8 25 Ft. Lbs 04 Ft. Lbs 1/2 28 Ft. Lbs 10 Ft. Lbs 3/4 30 Ft. Lbs 10 Ft. Lbs
Height Control Valve	Air spring(s) will not inflate when weight is added to the cab; OR Air spring(s) will not deflate when weight is removed from the cab.	A. Inspect valve to insure drive bearing notch is located on "SUSP" port side of valve. If not, loosen lever screw (but do not remove completely) and pull lever loose from drive bearing, rotate drive bearing until the bearing notch is in the correct position and resecure lever by tightening lever screw. B. Replace Valve	1/4 Mount Fasteners 10 Ft. Lbs. Bearing Screw 40-50 InLbs.
Shock Absorber	Insufficient dampening effect	Replace shocks	45 Ft. Lbs.
Lateral Control Rod	A. Loose nuts on lateral control rod bolts B. Worn bushings.	A. Tighten securely to clamp the inner sleeve. B. Replace lateral control rod.	40 Ft. Lbs.

IMPORTANT: Periodically check the tightness of all fasteners.



CABMATE® MODEL FRTC120-A PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1	1102-0022	SPRING-AIR	2	18	1475-1200	3/8 UNF HEX JAM NUT	1
2	1201-0012	SHOCK ABSORBER	2	19	1476-0800	1/4 UNC HEX CTR LOCK NUT (GR B)	2
3	1301-0040	VALVE-CONTROL, HEIGHT	1	20	1476-1200	3/8 UNC HEX CENTER LOCK NUT (GR B)	3
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5	1302-1038	.25 TUBE SUPPORT	3	22	1485-1200	3/8 LOCK WASHER	3
6	1302-1131	ELBOW, 1/4 TB 1/8 F-NPT	1	23	1485-2000	5/8 LOCK WASHER	2
7	1302-1150	BRANCH TEE, 1/4 TB 1/8 F-NPT	1	24	1500-0232	LINKAGE-VALVE, HEIGHT CONTROL (2.25)	1
8	1302-2064	HEX NIPPLE, 1/8 M-NPT	2	25	1500-0800	BALL JOINT ROD END	1
-	1350-0000	KIT-PROTECTION, PRESSURE	1	26	1500-0820	RETAINER WASHER	2
9	1401-0816	1/4 X 2 UNC HEX CAP SCR (GR 5)	2	27	1500-0830	RUBBER BUSHING	2
10	1401-1205	3/8 X 5/8 UNC HEX CAP SCR (GR 5)	2	28	2230-3006	LATERAL CONTROL ROD	1
11	1401-1210	3/8 X 1 1/4 UNC HEX CAP SCR (GR 5)	3	29	2240-0001	0.375 SPECIAL WASHER	2
12	1401-2014	5/8 X 1 3/4 UNC HEX CAP SCR (GR 5)	2	30	2240-1000	UNIT TOP	1
13	1403-1218	3/8 X 2 1/4 UNF HEX CAP SCR (GR 5)	1	31	2240-2000	UNIT BOTTOM NON-VALVE SIDE	1
14	1403-1424	7/16 X 3 UNF HEX CAP SCR (GR 5)	2	32	2240-3000	UNIT BOTTOM VALVE SIDE	1
15	1403-1426	7/16 X 3 1/4 UNF HEX CAP SCR (GR 5)	2	33	2990-0700	ASSEMBLY-ARM, VALVE	1
16	1417-1208	3/8 X 1 UNC SOC FLAT CSK HD CAP SCREW	2	34	2991-0024	KIT-PIVOT BALL	1
17	1470-2000	5/8 UNC HEX NUT (GR B)	2	-	3240-1000	KIT-DOCUMENT, FRTC120-A (AFTM)	1