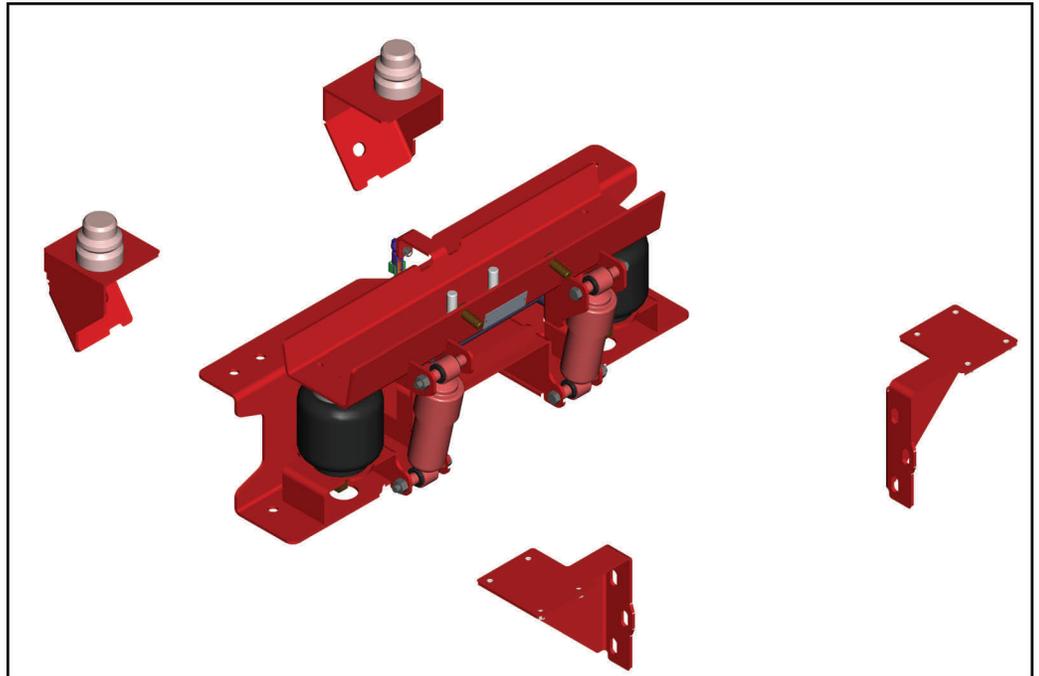


INSTALLATION INSTRUCTIONS



GMT 560 (4500/5500) CREW CAB (2351A000)



The **CABMATE MODEL 2351A000** fits the 2003 and later GM 4500 / 5500 crew cab. It replaces the original rear cab mounting including the crossmember and cab interface.

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

UNIT WEIGHT: 62 lbs

NET WEIGHT ADDED: 6 LB.

100630
33510001

1. INTRODUCTION

Thank you for choosing a Link CabMate 2351A000 cab suspension system. We want to help you to get the best results from the suspension and to install and operate it safely. This manual contains information to introduce you to the Link CabMate 2351A000 and to assist you with its operation. The manual is intended solely for use with this product.

All information in this manual is based on the latest information available at the time of printing. Link Manufacturing reserves the right to change its products or manuals at any time without notice. Contact Link at (800) 222-6283 for information on recent changes to products.

Defective or damaged components should be returned to Link with a pre-arranged Returned Goods Authorization (RGA) number through the Customer Service Department. The damaged or defective component may then be replaced if in compliance with warranty conditions.

2. SAFETY SYMBOLS, TORQUE SYMBOL, and NOTES

IMPORTANT: IT IS IMPORTANT THAT THE ENTIRE OPERATION INSTRUCTIONS BE READ THOROUGHLY BEFORE USING THIS SYSTEM.

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
 WARNING	WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
 CAUTION	CAUTION indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.
	The torque symbol alerts you to tighten fasteners to a specified torque value.

3. SAFE WORKING PRACTICES:

3.1 CAUTION

The operation of the CabMate 2351A000 involves moving parts. During the course of travel pinch points may exist between components. Keep hands and fingers clear of moving components during operation.

3.2 CAUTION

Practice safe lifting procedures. Consider size, shape, and weight of objects being moved. Obtain help or the assistance of jacks or lift straps when lifting heavy assemblies. Make certain the path of travel is clear.

4. OPERATION GUIDELINES

- 4.1** In order for this CabMate suspension to operate properly, it must operate in the parameters specified by Link.
- 4.2** No alterations of any Link CabMate component is permitted without proper authorization from qualified Link personnel.
- 4.3** The Link CabMate 2351A000 requires an air source sized correctly for the application. It is recommended for trucks equipped with the Link UltraRide chassis suspension that the Severe Duty Air Kit be used. The warranty of the air kit applies only for use by the Link chassis suspension and the Link cab suspension. Use of the Severe Duty Air Kit to drive other accessories may affect the warranty.

5. INSTALLATION

⚠ WARNING

For your own safety, do not connect the cab suspension to the air source until the cab suspension is completely assembled and you have read and understood the owners manual.

Important!

Install lift straps or place a jack at each end of the rear cab sill. If jacks are used, place blocks of wood between the jack and the sill.

Note: If the vehicle is equipped with a fuel tank in front of the rear axle, the fuel tank will need to be removed prior to proceeding. Contact your local GM dealer for information on performing this procedure.

5.1 Rear cab mount / crossmember removal (Fig. 1):

1. Disengage the wiring harness connector retainer from the rear of the upper cab mount.
2. Remove the transmission brake mount nuts (if equipped).
3. Remove the transmission brake mount bracket.
4. Support the back of the cab.
5. Remove the bolts that join the cab mount to the frame crossmember.
6. Raise the back of the cab slightly.
7. Remove the cab mount bolts.
8. Remove the cab mount assembly.
9. Remove the frame crossmember mount bolts.
10. Remove the frame crossmember.

5.2 Rear cab suspension installation (Fig. 2 & 3):

11. Install the cab mount to the cab.
12. Install the cab mount using the supplied M14 x 2 x 35mm hex flange screws.

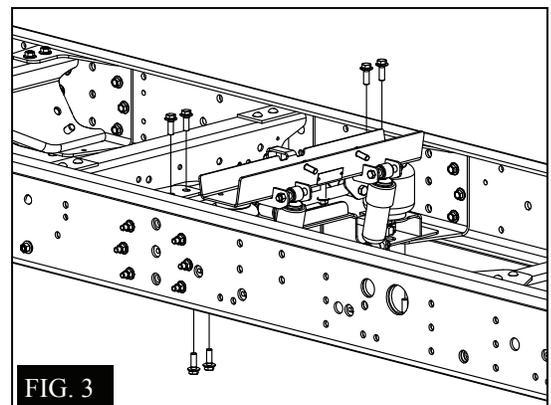
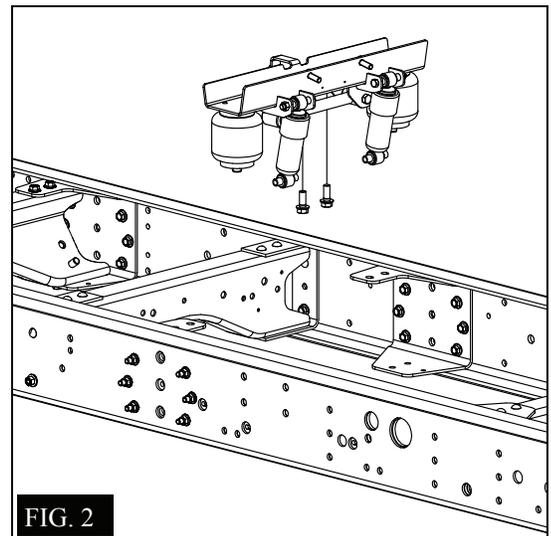
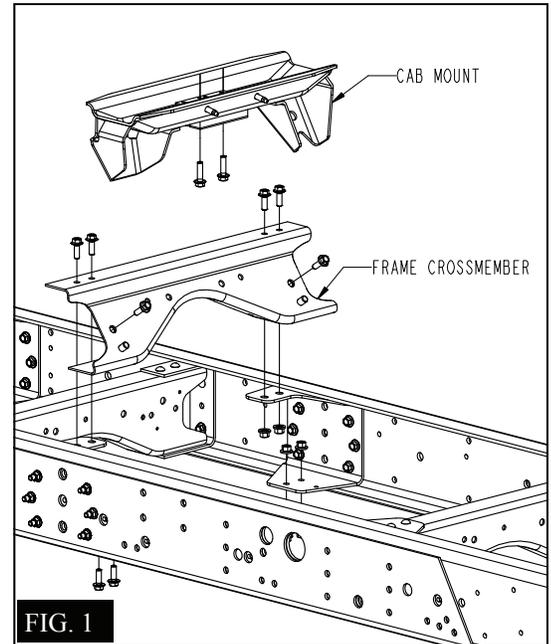
Important:

Do not re-use the original fasteners.
Tighten the cab mount bolts to 150 ft-lbs.

13. Install the frame mount to the frame brackets.
14. Install the frame mount using the supplied M12 x 1.75 x 45mm hex flange screws and M12 hex flange top lock nuts.

Important:

Do not re-use the original fasteners.
Tighten the frame mount to frame bracket bolts to 93 ft-lbs.



5. INSTALLATION (CONTINUED)

5.2 Rear cab mount suspension installation (cont):

15. Connect the height control valve linkage.
16. Install the transmission brake mount on the studs protruding from the cab mount.
17. Install the transmission brake mount nuts.

Tighten the transmission brake mount nuts to 70 ft-lbs.

18. Engage the wiring harness connector retainer to the rear of the upper cab mount.

5.3 Air System Connection:

19. Make the connection from the air supply to the height control valve (Fig. 4).

Note: It is highly recommended that the Link GMT560 CabMate be combined with a Link UltraRide chassis suspension and Severe Service Air Kit to provide the ultimate in ride quality.

Note: The warranty on the Link Severe Service Air Kit applies only if the Air Kit is used solely for the UltraRide and the Cab Suspension. Use of the Air Kit to power other accessories will affect the warranty.

Note: Due to variations in mounting locations for the air kit, it is the responsibility of the installer to determine the best connection between the air tank and the height control valve. Use the supplied tee fitting to branch off from the air tank.

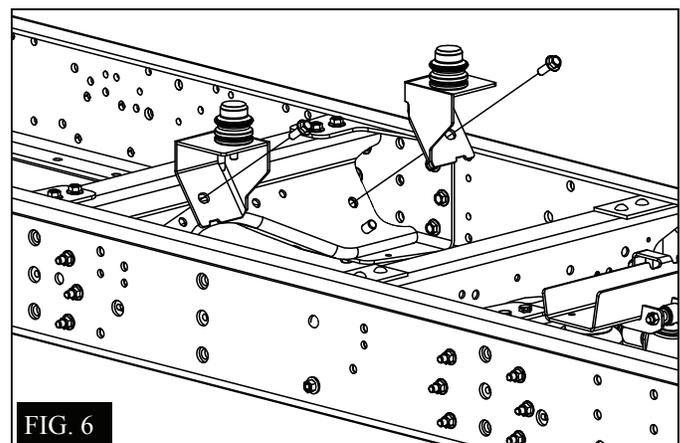
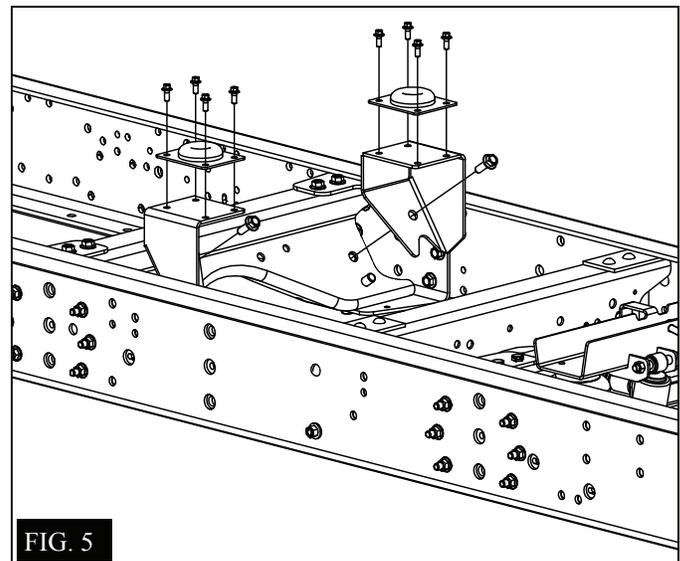
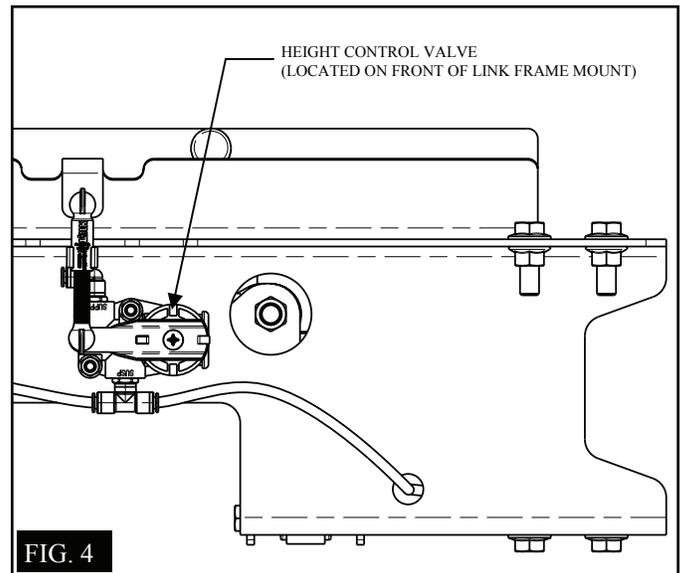
5.4 Mid Cab Support Removal (Fig. 5):

20. Remove the OE mid cab mount bolts.
21. Remove the mid cab mounts.
22. Remove the rubber bumper from the mid cab mounts.

Note: Retain the rubber bumper and rubber bumper mounting fasteners.

5.5 Mid Cab Support Installation (Fig 6):

23. Install the Link mid cab mounts.
 24. Install the mid cab mount nuts .
- Tighten the mid cab mount bolts to 190 ft-lbs.



5. INSTALLATION (CONTINUED)

5.6 Rear Bumper Installation (Fig. 7):

25. Remove the bolts securing the cab mount frame crossmember.

It is recommended that the removal of frame mount bolts be done one side at a time.

26. Install the rubber bumper from the mid cab mounts on the rear bumper mount using the existing fasteners.

Tighten the rubber bumper to rear bumper mount bolts to 20 ft-lbs.

27. Install the supplied M12 x 1.75 x 45mm hex flange screws through the frame.

28. Install the rear bumper mount using the cab mount frame crossmember bolts and loosely tighten the nuts, allowing the rear bumper mount to slide for adjustment.

29. Lower the cab suspension to its lowest position (no air) by disconnecting the linkage and rotating the valve arm to the drain position.

30. Measure the distance from the top of the frame to the underside of the cab directly over the frame.

31. Raise the cab up .25 inch.

32. Adjust the rear bumper mount so that it contacts the cab at the specified position.

33. Tighten the cab mount frame crossmember bolts.

Tighten the rubber bumper to rear bumper mount bolts to 70 ft-lbs.

5.7 Final Installation and Adjustment:

34. Measure the distance from the top of the frame rail to the underside of the cab directly over the frame.

35. For the cab to set level on the frame, the nominal dimension is 1.3" (see Fig. 8).

36. To make adjustments to the height:

- a. Disconnect the height control valve linkage from both ends.
- b. Measure the distance from the center of the cups on the linkage.
- c. Remove the clip that holds the linkage together.
- d. Adjust the linkage as necessary to obtain ride height.
- e. Install the lock clip.
- f. Install the height control valve linkage.

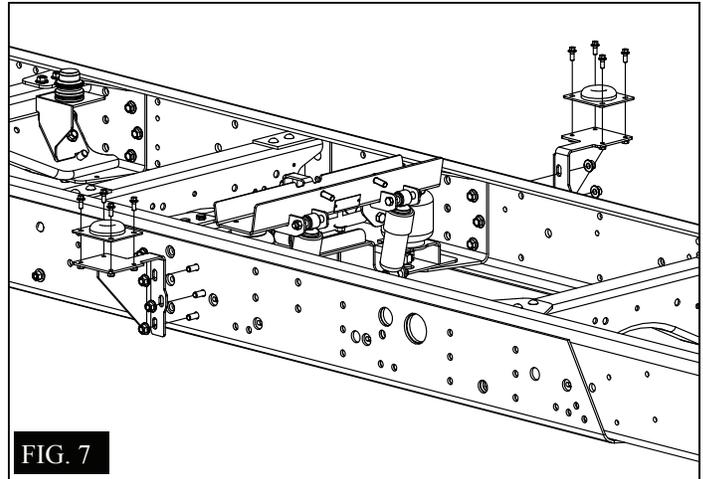


FIG. 7

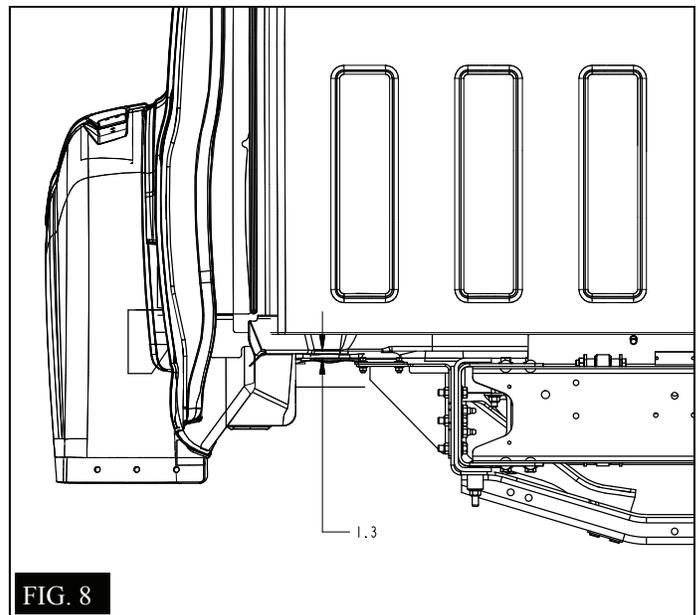


FIG. 8

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.

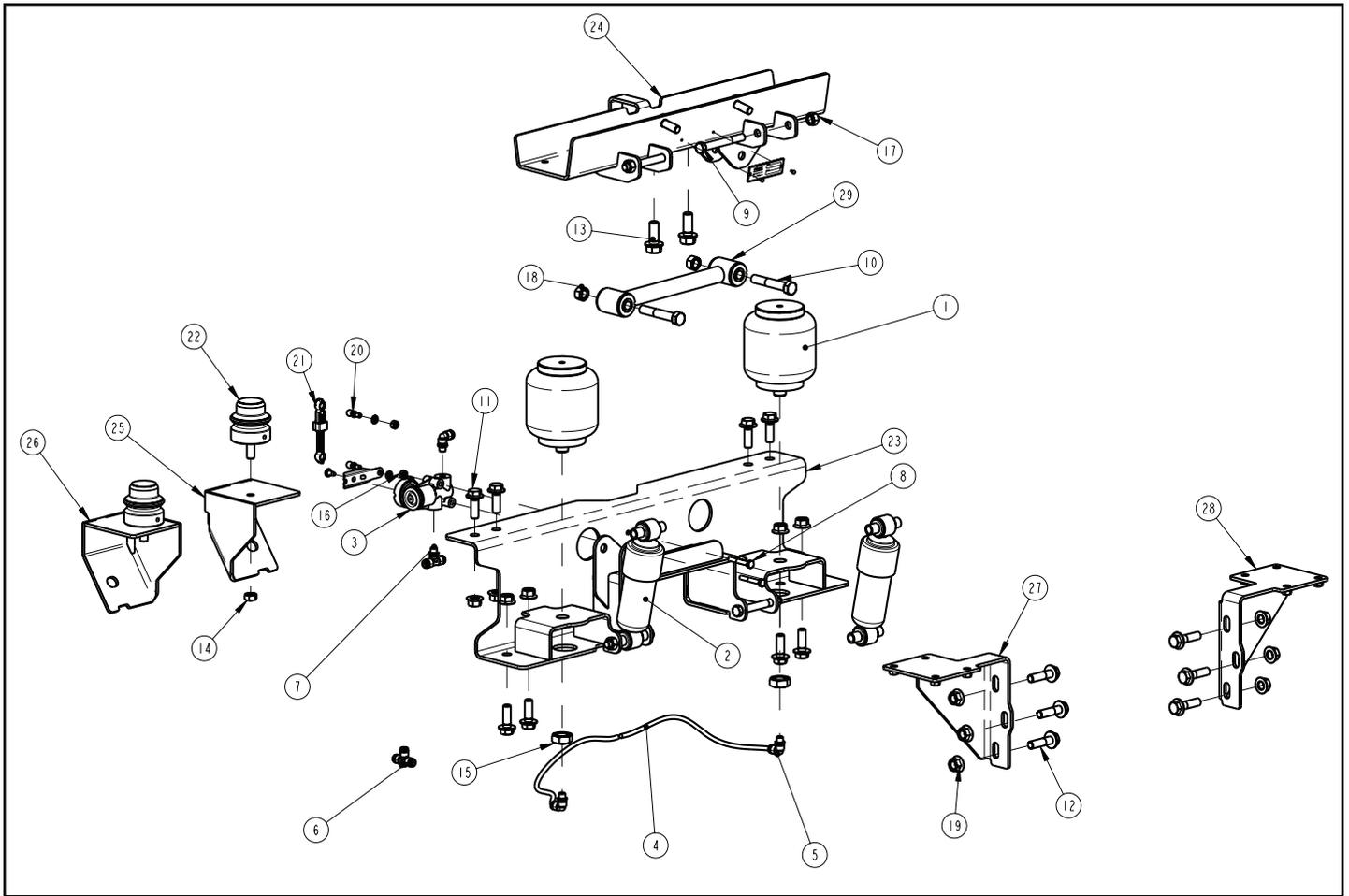
COMPONENT	POSSIBLE PROBLEM	CORRECTIVE ACTION	TORQUE
Airlines	Air leaks	Replace airline	Compression Nut Hand Tight + 1 Turn
Fittings	Air leaks	Remove fitting and apply fresh joint compound. Reinstall fitting, but Do Not Overtighten. Do not use teflon tape.	Threaded into: Metal Plastic 15 Hand Tight Ft. 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.

PLUMBING INSTRUCTIONS

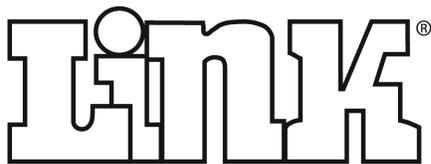
WARNING: CONNECT THE CABMATE DIRECTLY TO THE MAIN AIR TANK.

- 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. **DO NOT USE TEFLON TAPE.**
- C.** Run the 1/4" airline from the air tank 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 if necessary.
- D.** Tighten all plumbing fittings. 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.



CABMATE® MODEL 2351A000 PARTS LIST

ITEM	PART #	DESCRIPTION	QTY	ITEM	PART #	DESCRIPTION	QTY
1	1102-0023	SPRING-AIR	2	16	1476-0800	1/4 UNC HEX CTR LOCK NUT (GR B)	2
2	1201-1043	SHOCK ABSORBER	2	17	1477-1400	7/16 UNF HEX CTR LOCK NUT (GR B)	4
3	13500125	ASSEMBLY-HEIGHT CONTROL VALVE	1	18	1477-1601	1/2 UNF HEX TOP LOCK NUT (GR C)	2
4	1302-0090	AIRLINE-NYLON, .250 O.D., BULK	2.3 ft	19	14801202	HEX TOP LOCK FLANGE NUT, M12 X 1.75, CLASS 10	14
5	13025203	ELBOW, 1/4 TB 1/8 M-NPT	3	20	29910026	KIT-PIVOT BALL	2
6	13025205	UNION TEE, 1/4 TB	1	21	15000212	LINKAGE-VALVE	1
7	13025206	BRANCH TEE, 1/4 TB 1/8 M-NPT	1	22	15000920	BUMPER-SUPPORT	2
8	1401-0814	1/4 X 1 3/4 UNC HEX CAP SCR (GR 5)	2	23	2351A001	BRACKET-MOUNT, CROSSMEMBER	1
9	1403-1428	7/16 X 3 1/2 UNF HEX CAP SCR (GR 5)	4	24	2351A002	BRACKET-MOUNT, CAB	1
10	1404-1624	1/2 X 3 UNF HEX CAP SCR (GR 8)	2	25	2351A003	MOUNT, MID-CAB	1
11	141B1207	HEX FLANGE SCREW, M12 X 1.75 X 35, CLASS 10.9	8	26	2351A004	MOUNT, MID-CAB	1
12	141B1209	HEX FLANGE SCREW, M12 X 1.75 X 45, CLASS 10.9	6	27	2351A005	BUMPER, SUSPENSION STOP	1
13	141B1407	HEX FLANGE SCREW, M14 X 2 X 35, CLASS 10.9	2	28	2351A006	BUMPER, SUSPENSION STOP	1
14	14721002	HEX NUT, M10 X 1.5, CLASS 8	2	29	29934003	LATERAL CONTROL ROD	1
15	1475-2400	3/4 UNF HEX JAM NUT	2	30	33511001	KIT-DOCUMENT, GMT560 (AFTM)	1



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