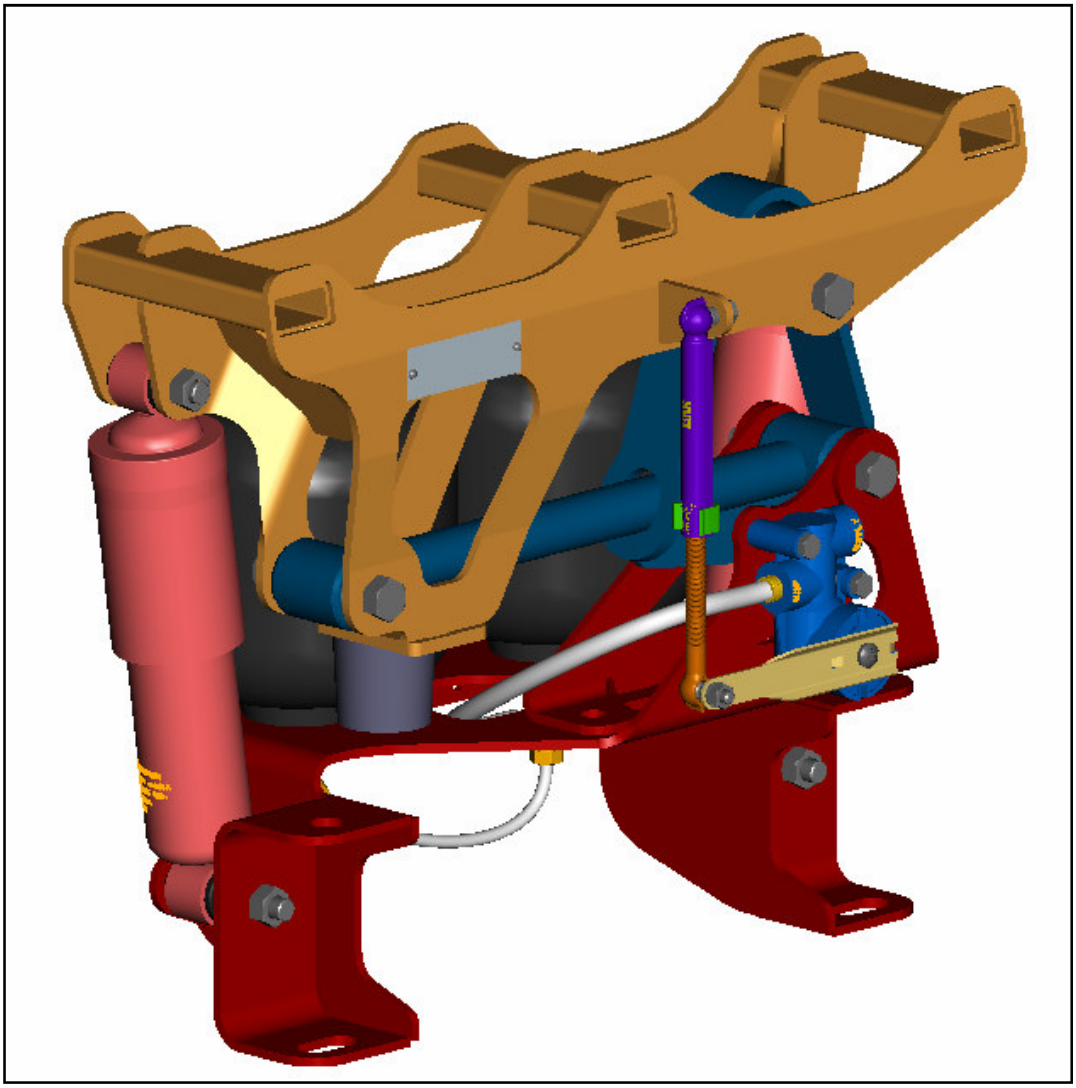
INSTALLATION INSTRUCTIONS

Link® Cabmate®
Cab Air Suspension

KWT2000-A (2501D000)



The **CABMATE MODEL KWT2000-A** fits Kenworth T2000 conventionals. It replaces the original cab suspension on trucks manufactured prior to April, 1999.

UNIT WEIGHT: 37.5 LB.

NET WEIGHT ADDED: 6.0 LB.

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060828
35010005

CABMATE® MODEL KWT2000-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 of options, the fit of the CABMATE KWT2000-A 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. Securely prop up the cab and remove the existing cab suspension. **NOTE:** Save the top mount fasteners for reuse.

B. Removal of the gang washer from the inside mount fasteners on the bottom of the crossmember is required. If "Huck Fasteners" are used to fasten the bottom gussets to the crossmember, they will also need to be removed in order to remove the gang washer (replacement fasteners have been supplied with the CABMATE).

C. Slide the CABMATE into place from under the cab. It may be necessary to raise the cab to provide better clearance for the top of the CABMATE.

D. Attach the CABMATE to the crossmember using the fasteners shown in the Part List on page 3.

E. Align the Cab Mount Bracket with the mounting socket on the cab and lower the cab onto the CABMATE (See Fig. 2). Fasten the CABMATE to the cab using the original cab mount fasteners.

F. **SECURELY TIGHTEN ALL FASTENERS.**

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

FIG. 1

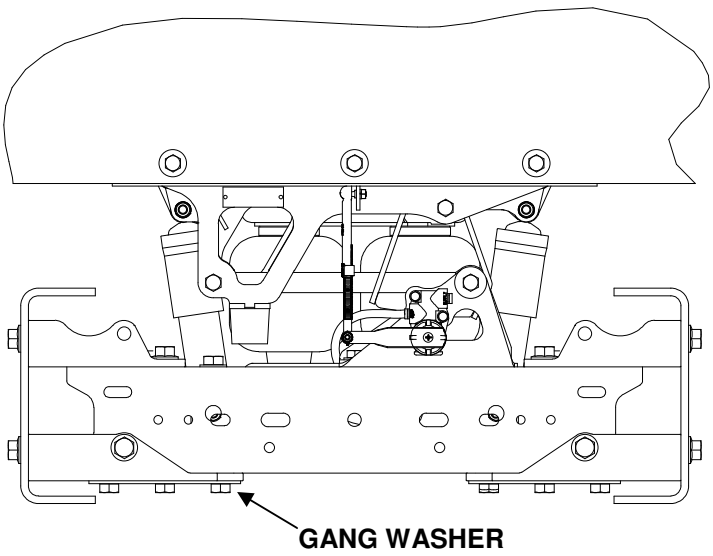
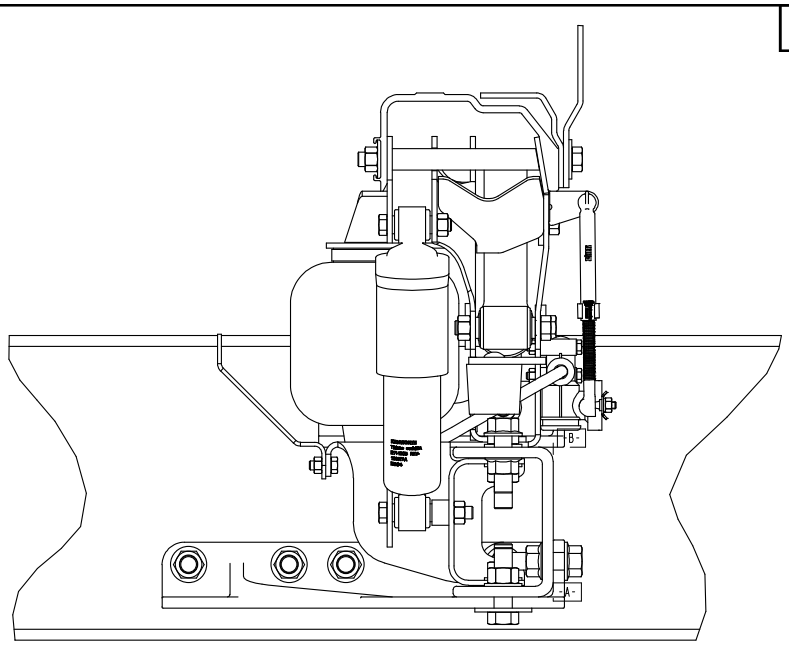
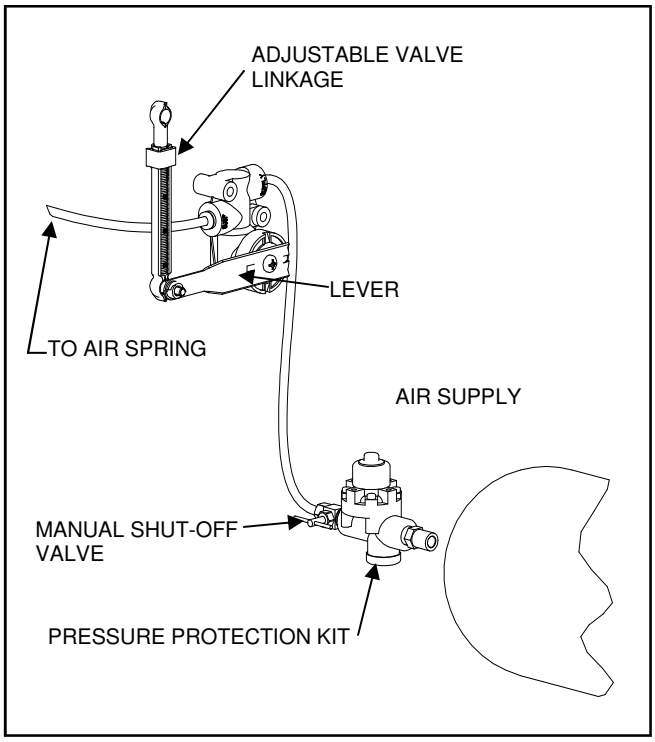


FIG. 2



PLUMBING INSTRUCTIONS

WARNING: FOR SAFTY 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 BUNKMATE 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 PRESSUREPROTECTION 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.

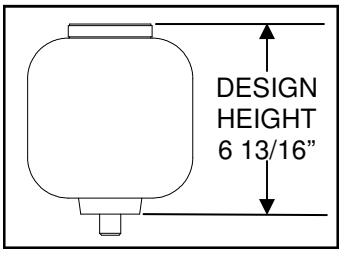
C. Run the 1/4" airline from the shut-off valve to the CABMATE. Be sure that the airline has enough clearance so that there are no pinch points that may restrict or cut the airline. Secure the airline using the cable ties supplied by Link Mfg.

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 6 13/16 inches ± 1/16. To change the height, disconnect one end of the valve linkage and adjust accordingly.

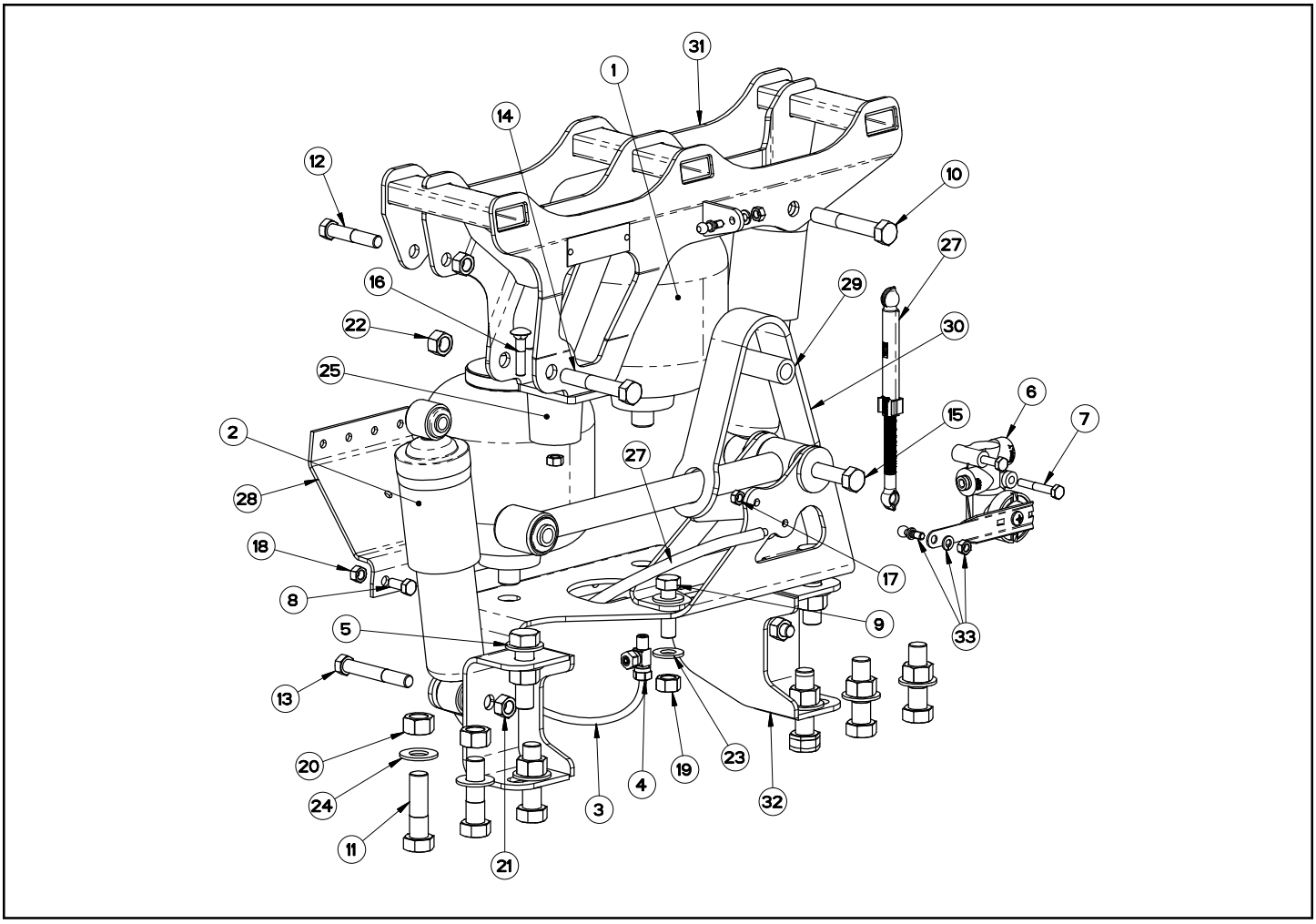


MAINTENANCE

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** 15 Ft. Lbs. **Plastic** Hand Tight + 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 wheight is added to the cab; **OR** Air spring(s) will not deflate when wheight 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 KWT2000-A
PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY		ITEM	PART NO.	DESCRIPTION	QTY
1	1102-A082	AIR SPRING WITH ATTACHMENTS	1		18	1476-1000	5/16 UNC HEX CTR LOCK NUT (GR B)	3
2	1202K064	SHOCK ABSORBER	2		19	1476-1601	1/2 UNC HEX TOP LOCK NUT (GR C)	1
3	1302-0090	AIRLINE-NYLON, .250 O.D., BULK	1		20	1476-2001	5/8 UNC HEX TOP LOCK NUT (GR C)	8
4	1302-4001	RUN TEE, 1/4 TB 1/8 M-NPT, DOT	1		21	1477-1405	7/16 UNF HEX TOP LOCK NUT (GR B)	4
5	1302-4018	ELBOW 45, 1/4 TB 1/8 M-NPT, DOT	1		22	1477-1601	1/2 UNF HEX TOP LOCK NUT (GR C)	2
-	1350-0000	KIT-PROTECTION, PRESSURE	1		23	1488-1602	1/2 SAE HARDENED WASHER	2
6	1350-0102	ASSEMBLY-HEIGHT CONTROL VALVE	1		24	1488-2002	5/8 SAE HARDENED WASHER	10
7	1401-0814	1/4 X 1 3/4 UNC HEX CAP SCR (GR 5)	2		25	1500-0070	BUMPER-JOUNCE, 1.75	1
8	1401-1006	5/16 X 3/4 UNC HEX CAP SCR (GR 5)	2		26	1500-0435	LOOM-CORRUGATED, .250, BULK	1
9	1402-1614	1/2 X 1 3/4 UNC HEX CAP SCR (GR 8)	1		27	15000214	LINKAGE-VALVE	1
10	1402-1626	1/2 X 3 1/4 UNC HEX CAP SCR (GR 8)	1		28	2501-0020	BRACKET-VALVE, FUEL SPLITTER	1
11	1402-2018	5/8 X 2 1/4 UNC HEX CAP SCR (GR 8)	9		29	2501-0038	BUSHING-PULL APART	1
12	1403-1418	7/16 X 2 1/4 UNF HEX CAP SCR (GR 5)	2		30	2501-1003	LATERAL CONTROL ROD	1
13	1403-1424	7/16 X 3 UNF HEX CAP SCR (GR 5)	2		31	2501-1004	BRACKET-MOUNT, CAB	1
14	1404-1624	1/2 X 3 UNF HEX CAP SCR (GR 8)	1		32	2501-1005	BRACKET-MOUNT, CROSSMEMBER	1
15	1404-1628	1/2 X 3 1/2 UNF HEX CAP SCR (GR 8)	1		33	2991-0026	KIT-PIVOT BALL	1
16	1435-1012	5/16 X 1 1/2 UNC RND HD SQ NK BOLT (GRADE 5)	1		-	3501-1004	KIT-DOCUMENT, KWT2000-A (AFTM)	1
17	1476-0800	1/4 UNC HEX CTR LOCK NUT (GR B)	2					