

STEP 9: PNEUMATIC SYSTEM INSTALLATION

INSTALL PNEUMATIC SYSTEM IN ACCORDANCE WITH PLUMBING SCHEMATIC SHOWN AT RIGHT.

PNEUMATIC OPERATION CHECK

- (1) TURN PRESSURE REGULATING KNOB TO "FULL OFF" (DECREASE) POSITION.
- (2) FLIP SWITCH TO "LOAD" POSITION.
- (3) TURN PRESSURE REGULATING KNOB (INCREASE) SLOWLY UNTIL PRESSURE GAGE READS 10 PSI.
- (4) CHECK AIRIDE HEIGHT. AIR PRESSURE MAY BE INCREASED TO RESULT IN AIRIDE HEIGHT OF 21 INCH MAXIMUM (MEASURED AT REAR CENTER SECTION OF AIRIDE).
- (5) CHECK COMPLETE AIR SYSTEM FOR LEAKS.
- (6) OPERATE "LIFT LOAD" SWITCH FOR PROPER SUSPENSION FUNCTION AND CLEARANCE.

CAUTION:

DO NOT INCREASE AIR PRESSURE AS OVERINFLATION OF AIRIDES MAY RESULT IN DAMAGE TO COIL SPRINGS OR AIRIDE.

OPERATION

- (1) REFER TO PNEUMATIC OPERATION CHECK BEFORE APPLYING AIR PRESSURE.
- (2) CHECK VALVE (ITEM 2) PREVENTS REDUCTION OF SYSTEM PRESSURE WHEN THE BRAKES ARE APPLIED.
- (3) BRAKE PROTECTION VALVE (ITEM 1) PROTECTS AIR SUPPLY TO 65 PSI MINIMUM IN THE EVENT OF LINE OR AIRIDE BREAKAGE.
- (4) CONTROL PANEL (ITEM 6) PERMITS ADJUSTMENT TO SUIT LOADING CONDITIONS AND PROVIDES POSITIVE ON-OFF CONTROL.
- (5) QUICK RELEASE VALVE (ITEM 8) PROVIDES RAPID EXHAUST FROM AIRIDE WHEN LIFTING AXLES.

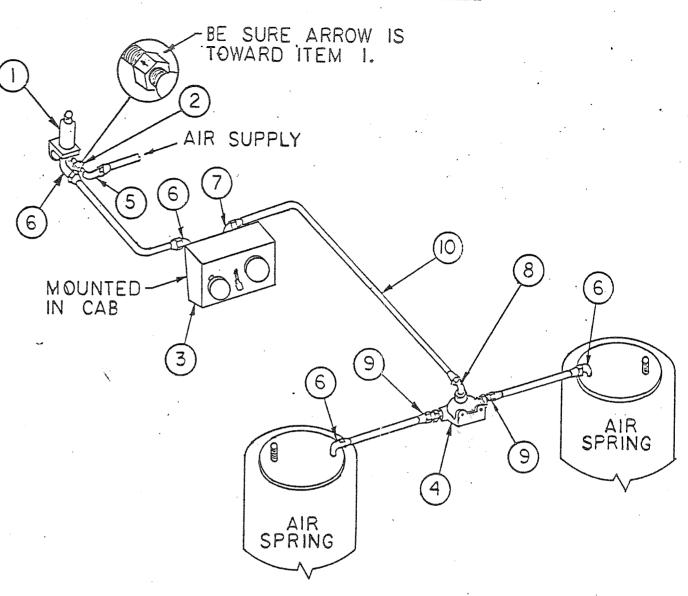
CAUTION:

ALWAYS LIFT AXLE BEFORE RUNNING VEHICLE UNLOADED, COIL SPRING OR AIR SPRING DAMAGE MAY OCCUR OTHERWISE.

NOTE 1: ITEMS SUPPLIED BY INSTALLER

ITEM	YTD	DESCRIPTION
5	1	ELBOW 3/8" LINE X 1/4 FEMALE THREAD
6	4	ELBOW 3/8" LINE X 1/4 MALE THREAD
7	1	ELBOW 3/8" LINE X 1/8 MALE THREAD
8	1	ELBOW 3/8" LINE X 1/2 MALE THREAD
9	2	CONNECTOR 3/8" LINE X 3/8 MALE THREAD
10	-	3/8" O.D. REINFORCED NYLON TUBING

PLUMBING SCHEMATIC



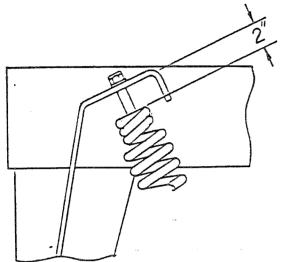
	ITEM	PART NO.	D.S.	QTY	DESCRIPTION .			
·	1	10100	Α	1	BRAKE PROTECTION VALVE			
APPENDING NAME OF PERSONS ASSESSMENT ASSESSM	2	10116	Α	1	CHECK VALVE			
-	3	10098	Α	1	CONTROL PANEL			
annaprintary ()	4	10099	A]	QUICK RELEASE VALVE			
nt and endougher the control of the	WATSON & CHALIN MFG., INC. ROWLETT, TEXAS							
AND CONTRACTORIS	SCALE:	APPROVED I	BY:	DRAWN BY TNC				
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WCL-2000 SERIES INSTALLATION INSTRUCTIONS

PNEUMATIC SYSTEM INSTALLATION;

DRAWING NUMBER
10115

SUSPENSION ASSEMBLIES ARE SHIPPED WITH COIL SPRINGS LOOSE. ONCE ALIGNMENT IS COMPLETE, RAISE AXLE UP WITH THE USE OF A JACK OR LIKE TOOL. LUBRICATE SPRING BOLT (10091). TIGHTEN SPRING BY TURNING SPRING BOLT (10091) UNTIL A GAP OF 2.0 INCHES EXISTS BETWEEN SPRING TOP AND UNDER SIDE OF SIDERAIL SPRING ANCHOR AS SHOWN IN THE FIGURE BELOW.



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STEP 8: BOLT TORQUE CHECK

CHECK ALL BOLTS FOR PROPER TORQUE BEFORE SUSPENSION IS PUT INTO SERVICE.

TORQUE SPECIFICATIONS ARE SHOWN IN THE TORQUE CHART BELOW. ONCE PUT INTO SERVICE BOLT TORQUES SHOULD BE CHECKED EVERY 90 DAYS.

TORQUE CHART							
SIZE	3/8	1/2	5/8	3/4	1 1/8	1 1/4	
TORQUE IN FOOT. LBS.	15	25	150	200	1000	1000	

NOTES:

(1) PERIODICAL ADJUSTMENT OF COIL SPRING MAY BE REQUIRED AFTER EXTENDED ROAD SERVICE.