

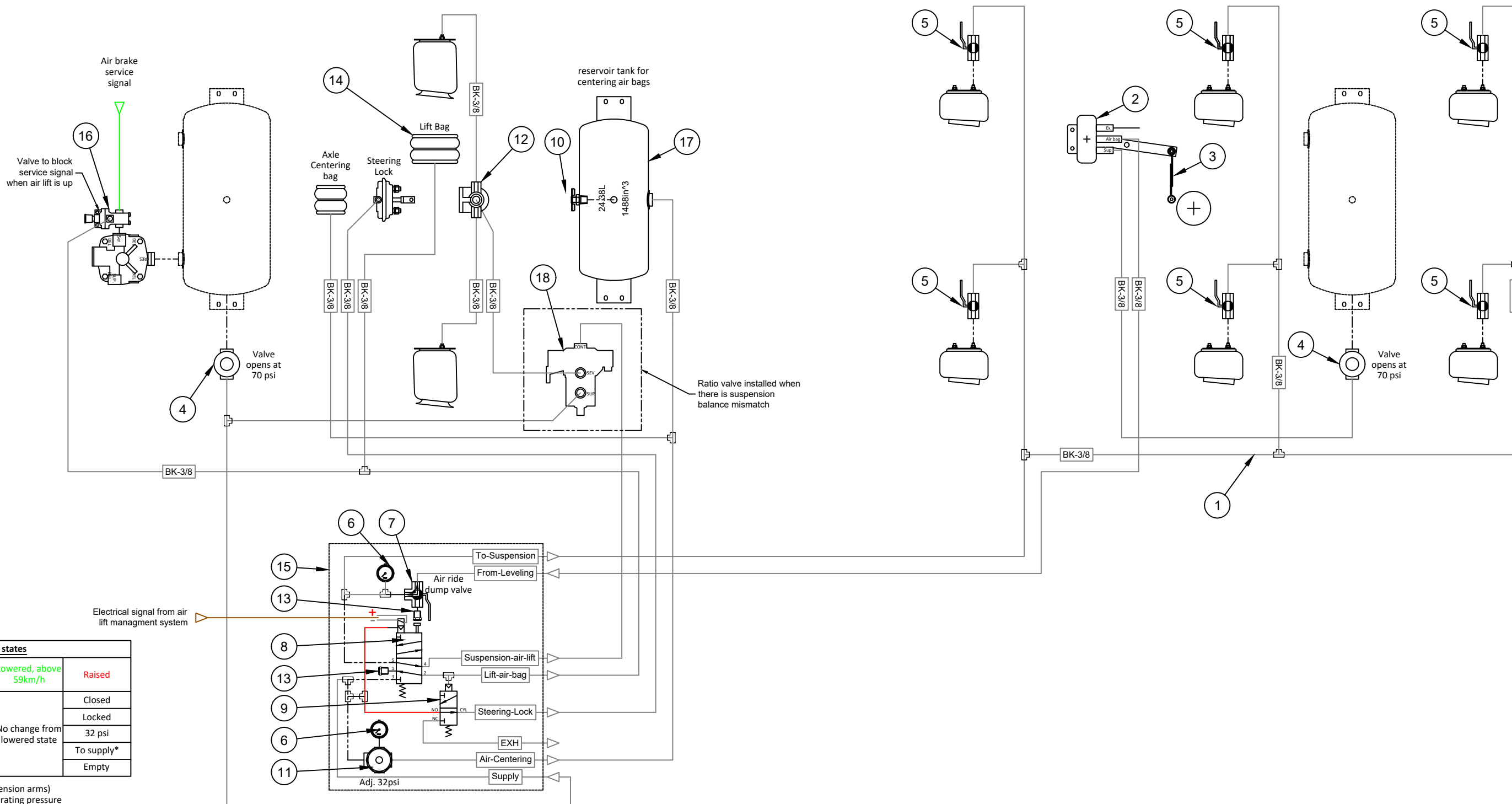
Notes:

1. Operating pressure between 90 to 120 psi
2. Air brake circuit is in a separate diagram
3. Electrical components are in separate diagrams
4. The air lift management is done with an RM-60 system or EKAD system
5. Manual "TMA0022 - Caster steer air lift" explains in detail the suspension ratio valve and air lift system
6. Usually axle steering lock needs air pressure to unlock. If the locking system is reversed, flip the NO and NC connection on AIRVAL0046

Operational Characteristics:

1. Drain air tanks daily to prevent the buildup of moisture in the system
2. Dump valve in control box dumps all air ride air bags
3. When the air lifts are lifted, the braking signal is halted to eliminate flat spots on tires
4. The air lifts can also be controlled manually
5. Optional ball valves on air bags are to shut off the air supply in case of a failure

ITEM	QTE	# PIECE	DESCRIPTION	ITEM	QTE	# PIECE	DESCRIPTION
1	80	AIRHOS0047	Black Nylon DOT air brake tubing 3/8" Dia	10	1	AIRVAL0007	240-B, 108-4 = EXTERNAL SEAT DRAIN VALVE 1/4"
2	1	AIRVAL0072	90054007 = LEVELING VALVE	11	1	AIRVAL0011	AIR PRESSURE REG. VALVE ASSY PANEL MOUNT
3	1	AIRVAL0502	ADJUSTABLE LINK, 8"-15", 2RUB. BUSHING 1/4HOLE	12	1	AIRVAL0019	KN32011 = QUICK RELEASE VALVE IN1/2-OUT3/8
4	1	AIRVAL0045	WM778A1 =PRESSURE PROTECTION VALVE W/FILTER *	13	2	FITBRA0236	BBV-C = AIR VENT, 3/8 NPTM 300PSI (FILTER)
5	6	AIRVAL0024	BV4103B, BV-04 = BRASS BALL VALVE 1/4 NPTF 600WOG.	14	1	SUSSPG0507	Rubber S-12335 = AIR BAG, CL "T" SUSP. HTBL
6	2	AIRGAU0001	LIQUID AIR GAUGE 1/4 BACK 2.5" 0-160	15	2	AIRBOX0017	RA001P-141206 CONTROL BOX EMPTY, PLASTIC 14 X 12"
7	1	AIRVAL0119	RA723-6 = 3 WAY BALL VALVE, PORTS 3/8 NPTF.	16	1	AIRVAL0039	RELAY VALVE TYPE NO 3 WAY 10-30PSI to activate
8	1	AIRVAL0120	5 PORT SPRING RETURN SOLENOIS W/ MANUAL EXT. PILOT	17	1	AIRTAN0004	24.38L Air Tank 9.5" X 22.5" 27.5"OAL
9	1	AIRVAL0046	90554615 = PILOT VALVE, 1/4NPT-1/8NPT	18	1	AIRVAL0041	WM318A - RATIO RELAY VALVE MODEL TYPE, N.C



	Lowered	Lowered, above 59km/h	Raised
Air lift service signal	Open	No change from lowered state	Closed
Steering lock Mech.	Unlocked		Locked
Centering bag	32 psi	To supply*	32 psi
Lifting air bag	Empty		Empty
Suspension air bags	To leveling		

*In case of a UBL system (bags on suspension arms) regulator must be used to limit the operating pressure until the suspension can lift itself. If pressure is too high, the brackets will be bent!

Color and Abbreviation Codes			Symbol Legend	
BK	Black	Control lines	☐	Tee
RD	Red	Supply and spring brake lines	NC	No Connection
GN	Green	Control and service brake lines	---	Connection line
RB	Rubber	DOT rubber lines	□	Outlines and enclosure