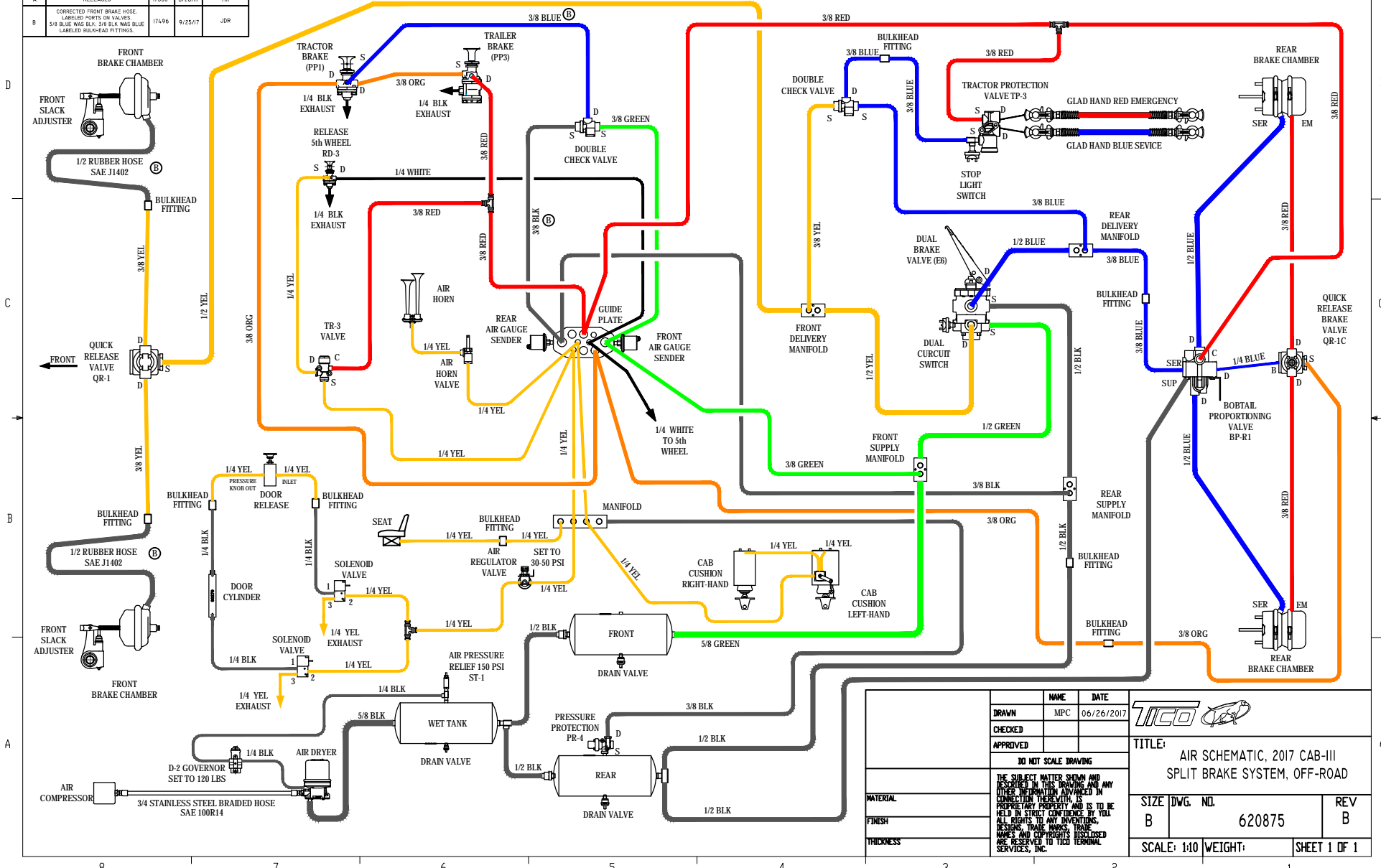


REV	DATE	BY	CHKD	APP'D
1	11/22/2018			

DIMENSIONS ARE IN INCHES DECIMALS: 1/16" & 0.001" FRACTIONS: 1/8" & 1/4"	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE TO CENTER UNLESS NOTED OTHERWISE. DIMENSIONS TO SURFACE UNLESS NOTED OTHERWISE. DIMENSIONS TO CENTER UNLESS NOTED OTHERWISE. DIMENSIONS TO SURFACE UNLESS NOTED OTHERWISE.	THE DIMENSIONS SHOWN AND DESCRIBED IN THIS DRAWING ARE APPROXIMATE AND SUBJECT TO CHANGE WITHOUT NOTICE. ALL RIGHTS TO ANY PATENTS, TRADEMARKS, AND COPYRIGHTS ARE RESERVED BY THE ORIGINAL OWNER.	TITLE: AIR SYSTEM, 2017-18, OFF ROAD SIZE: D DWG. NO.: 721929-A1 REV: 1 SCALE: 1:32 WEIGHT: 8065.92 SHEET 2 OF 3
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REV.	DESCRIPTION	ECN	DATE	APPROVED
A	RELEASED	17555	6/26/17	HK
B	CORRECTED FRONT BRAKE POSE LABELED PORTS ON VALVES 3/8 BLUE WAS BLK., 5/8 BLK. WAS BLUE LABELED BULK-HEAD FITTINGS	17496	9/25/17	JDR



	NAME	DATE
DRAWN	MPC	06/26/2017
CHECKED		
APPROVED		

DO NOT SCALE DRAWING

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TITLE: AIR SCHEMATIC, 2017 CAB-III SPLIT BRAKE SYSTEM, OFF-ROAD	
SIZE DWG. NO. B 620875	REV B
SCALE: 1:10 WEIGHT:	SHEET 1 OF 1

TICO PRO-SPOTTER				
AIR SYSTEM, 2017-III, OFF ROAD, DUAL SYS, 3-TANKS				721929
ITEM	PART #	QTY/M	DESCRIPTION	
	721929-A1	REF	AIR SYSTEM, 2017-III, OFF ROAD, DUAL SYS, 3-TANKS	
	620875	REF	AIR SCHEMATIC, 2017 CAB-III, SPLIT BRAKE SYSTEM, OFF-ROAD	
1	42087	1	ASSEMBLY, AIR TANK, TWO TANKS	
2	82394	4	BOLT, HEX 3/8" - 16 x 1 1/2" Lg	
3	85102	8	WASHER, FLAT 3/8"	
4	85025	4	LOCKNUT, 3/8" - 16 NYLOK	
NOT SHOWN	40029-1	2	CHECK VALVE, AIR TANK	
	71523	REF	3rd AIR RESERVOIR	
5	12336	1	PLATE, RESERVOIR MOUNTING	
NOT SHOWN	82385	4	BOLT, HEX 1/2-13 x 1 1/4 Lg	
NOT SHOWN	85115	8	WASHER, FLAT 1/2	
NOT SHOWN	85027	4	LOCKNUT, 1/2-13	
6	10032	1	RESERVOIR, AIR	
7	40393-1	4	BRACKET, AIR RESERVOIR MOUNT	
NOT SHOWN	42064	2	ELBOW, BRASS 90° 1/2 TUBE to 1/2 NPT	
NOT SHOWN	40029-1	1	CHECK VALVE, AIR TANK	
8	60023	1	GOVERNOR, D2	
NOT SHOWN	80308	2	CAPSCREW, M8 x 1.25 x 70 LG	
NOT SHOWN	85134	2	LOCKWASHER, 5/16"	
9	40854	1	ADAPTER, 1/8 NPT, 1/4 COMPRESSION, STR	
NOT SHOWN	40860	1	ADAPTER, 1/8 NPT, 1/4 COMPRESSION, 90	
10	40547	1	VALVE, DUAL BRAKE, E-6	
11	90026	1	TREADLE, BRAKE	
NOT SHOWN	82360	3	BOLT, 5/16" x 3/4" Lg	
NOT SHOWN	82371	3	BOLT, 5/16" x 1" Lg	
12	40819	2	FITTING, ELBOW, 90°, BRASS, 1/2 TUBE X 3/8 NPT	
13	42187	2	FITTING, STR, BRASS, 1/2 TUBE X 3/8 NPT	
NOT SHOWN	11041	4	FITTING, PLUG, 3/8 NPT	
14	42260	1	FITTING, REDUCER BUSHING, BRASS, 3/8 NPT X 1/8NPT	
15	91236	1	SWITCH, DUAL CIRCUIT NO-NC 4 PSI SET PRESS	
16	122130	1	MANIFOLD-SUPPLY REAR, 2 x 1/2" NPT, 2 x 3/8" NPT	
NOT SHOWN	80323	2	SCREW, PAN HD, #10-32 x 2 Lg, SS	
NOT SHOWN	80232	4	WASHER, FLAT, SAE, #10, SS	
NOT SHOWN	800424	2	NUT, #10-32, NYLOK, SS	
17	40822	1	FITTING, ELBOW, 45°, BRASS, 1/2 TUBE X 1/2 NPT	
18	40822	1	FITTING, ELBOW, 45°, BRASS, 1/2 TUBE X 1/2 NPT	
19	40823	1	FITTING, ELBOW, 90°, BRASS, 3/8 TUBE X 3/8 NPT	
20	11041	1	FITTING, PLUG, 3/8 NPT	
REV	DATE	BY		SHEET
A	3/22/2018	MAL		1 OF 5

TICO PRO-SPOTTER				
AIR SYSTEM, 2017-III, OFF ROAD, DUAL SYS, 3-TANKS				721929
ITEM	PART #	QTY/M	DESCRIPTION	
21	122130	1	MANIFOLD-SUPPLY FRONT, 2 x 1/2" NPT, 2 x 3/8" NPT	
NOT SHOWN	80323	2	SCREW, PAN HD, #10-32 x 2 Lg, SS	
NOT SHOWN	80232	4	WASHER, FLAT, SAE, #10, SS	
NOT SHOWN	800424	2	NUT, #10-32, NYLOK, SS	
22	40830	1	FITTING, ELBOW, 45°, BRASS, 5/8 TUBE X 1/2 NPT	
23	42265	1	FITTING, ELBOW, 90°, BRASS, 1/2 TUBE X 1/2 NPT	
24	40823	1	FITTING, ELBOW, 90°, BRASS, 3/8 TUBE X 3/8 NPT	
25	11041	1	FITTING, PLUG, 3/8 NPT	
26	122130	1	MANIFOLD-DELIVERY REAR, 2 x 1/2" NPT, 2 x 3/8" NPT	
NOT SHOWN	80323	2	SCREW, PAN HD, #10-32 x 2 Lg, SS	
NOT SHOWN	80232	4	WASHER, FLAT, SAE, #10, SS	
NOT SHOWN	800424	2	NUT, #10-32, NYLOK, SS	
27	42119	1	FITTING, ELBOW, 45°, BRASS, 3/8 TUBE X 1/2 NPT	
28	42265	1	FITTING, ELBOW, 90°, BRASS, 1/2 TUBE X 1/2 NPT	
29	40823	1	FITTING, ELBOW, 90°, BRASS, 3/8 TUBE X 3/8 NPT	
30	11041	1	FITTING, PLUG, 3/8 NPT	
31	122130	1	MANIFOLD-DELIVERY FRONT, 2 x 1/2" NPT, 2 x 3/8" NPT	
NOT SHOWN	80323	2	SCREW, PAN HD, #10-32 x 2 Lg, SS	
NOT SHOWN	80232	4	WASHER, FLAT, SAE, #10, SS	
NOT SHOWN	800424	2	NUT, #10-32, NYLOK, SS	
32	40822	1	FITTING, ELBOW, 45°, BRASS, 1/2 TUBE X 1/2 NPT	
33	42265	1	FITTING, ELBOW, 90°, BRASS, 1/2 TUBE X 1/2 NPT	
34	40823	1	FITTING, ELBOW, 90°, BRASS, 3/8 TUBE X 3/8 NPT	
35	11041	1	FITTING, PLUG, 3/8 NPT	
36	40550	1	VALVE-BRAKE QUICK RELEASE QR-1	
NOT SHOWN	81546	2	CAPSCREW-5/16-18NC X 1 1/4LG	
NOT SHOWN	85101	2	WASHER, FLAT5/16	
NOT SHOWN	85024	2	LOCKNUT, 5/16-18 NYLOK	
37	40864	2	FITTING, STR BRASS 3/8 TUBE, 3/8NPT	
38	42064	1	FITTING, ELBOW 90°, BRASS 1/2 TUBE, 1/2NPT	
39	40572	1	VALVE-BOBTAIL/PROPORTIONING BP-R1 W/BACKET	
NOT SHOWN	81535	2	BOLT-5/16 X 1	
NOT SHOWN	85090	4	WASHER-5/16	
NOT SHOWN	85035	2	NUT-5/16	
40	40822	1	FITTING, ELBOW 45°, BRASS, 1/2 TUBE X 1/2 NPT	
41	42265	2	FITTING, ELBOW 90°, BRASS 1/2 TUBE to 1/2 NPT, SWIVEL	
42	42063	1	FITTING, ELBOW 90°, BRASS, 3/8 TUBE to 1/4 NPT	
43	42112	1	FITTING, ELBOW 90°, BRASS, 3/8 TUBE to 1/8 NPT	
44	80163	1	FITTING, PLUG ALLEN, BRASS 1/2" NPT	
45	40841	1	FITTING, PLUG ALLEN, BRASS 3/8" NPT	
46	40840	1	FITTING, ELBOW 90°, BRASS, 3/8 TUBE to 1/8 NPT	
REV	DATE	BY		SHEET
A	3/22/2018	MAL		2 OF 5

TICO PRO-SPOTTER				
AIR SYSTEM, 2017-III, OFF ROAD, DUAL SYS, 3-TANKS				721929
ITEM	PART #	QTY/M	DESCRIPTION	
NOT SHOWN	40864	2	FITTING, ADAPTER STR, BRASS, 3/8 TUBE X 3/8 NPT	
NOT SHOWN	40823	1	FITTING, ELBOW 90°, BRASS, 3/8 TUBE X 3/8 NPT	
47	10949	1	MANIFOLD-ACCESSORY AIR	
NOT SHOWN	82459	2	CAPSCREW-5/16-18 X 3 LG HEX HD	
NOT SHOWN	80232	2	WASHER-5/16	
NOT SHOWN	80209	2	LOCKNUT-5/16	
48	40833	2	FITTING, ADAPTER STR, BRASS, 1/4" TUBE X 3/8" NPT	
49	40887	4	FITTING, ELBOW 90°, BRASS, 1/4" TUBE X 3/8" NPT, SWIVEL	
50	42064	1	FITTING, ELBOW 90°, BRASS, 1/2" TUBE X 1/2" NPT, SWIVEL	
51	40841	2	PLUG, HEX SOCKET HD 3/8" NPT	
52	80163	1	PLUG, HEX SOCKET HD 1/2" NPT	
53	90069	1	VALVE-TRACTOR PROTECTION (TP-3)	
NOT SHOWN	82459	2	BOLT, 5/16-18 X 3 LG	
NOT SHOWN	85090	4	WASHER, FLAT 5/16	
NOT SHOWN	85024	2	LOCKNUT, 5/16-18 NYLOK	
54	90078	1	SWITCH-PRESSURE, STOP LIGHT, BENDIX SL-5	
55	42234	1	FITTING, STREET TEE, BRASS, 3/8 X 3/8 X 1/4	
56	40823	1	FITTING, ELBOW 90°, BRASS, 3/8 TUBE X 3/8NPT	
57	42063	1	FITTING, ELBOW 90°, BRASS, 3/8 TUBE X 1/4NPT	
58	40799	2	FITTING, CLOSE NIPPLE BRASS, 1/2 NPT	
59	40899	2	FITTING, STREET ELBOW 45° BRASS, 1/2 NPT	
60	50038-1	3	GLADHAND - BLUE	
61	50039-1	3	GLADHAND - RED	
62	50303	2	HOSE ASSY - TRAILER AIR, 3/8 X 15 FT	
NOT SHOWN	10356	1	SPRING	
NOT SHOWN	920285	1	CLAMP, TRAILER HOSE 3 CAVITY	
63	40799	2	FITTING, CLOSE NIPPLE, BRASS, 1/2 NPT	
64	40899	2	FITTING, STREET ELBOW 45°, BRASS, 1/2 NPT	
65	10592	1	VALVE-BRAKE QUICK RELEASE QR-1C	
NOT SHOWN	81546	2	CAPSCREW-5/16-18NC X 1 1/4LG	
NOT SHOWN	85024	2	LOCKNUT-5/16	
66	40864	1	FITTING-STR BRASS 3/8 TUBE X 3/8 NPT	
67	40823	1	FITTING-90° BRASS 3/8 TUBE X 3/8 NPT	
68	42063	1	FITTING-90° BRASS 3/8 TUBE X 1/4 NPT	
69	40857	1	FITTING-90° BRASS 1/4 TUBE X 1/4 NPT	
REV	DATE	BY		SHEET
A	3/22/2018	MAL		3 OF 5
TICO MANUFACTURING - RIDGELAND, SC 29936				

TICO PRO-SPOTTER				
AIR SYSTEM, 2017-III, OFF ROAD, DUAL SYS, 3-TANKS				721929
ITEM	PART #	QTY/M	DESCRIPTION	
70	91966	1	VALVE-INVERSION TR-3	
71	40885	1	FITTING, ELBOW 90° BRASS, 3/8 TUBE X 1/8 NPT, SWIVEL	
72	40861	2	FITTING, ELBOW 90° BRASS, 1/4 TUBE X 1/4 NP, SWIVEL	
73	42273	1	FITTING - UNION TEE, BRASS, 3/8" TUBE	
74	122136	1	BULKHEAD PLATE FOR AIR FITTINGS, 2017-II	
75	420319	4	FITTING, BULKHD, BRASS, 3/8 TUBE, PUSH TO CONNECT	
76	420318	4	FITTING, BULKHD, BRASS, 1/4 TUBE, PUSH TO CONNECT	
NOT SHOWN	40827	2	FITTING, BULKHD, BRASS, 3/8 NPT	
77	40821	2	FITTING, STREET TEE, BRASS, 3/8 NPT	
78	40864	4	FITTING, STR, BRASS, 3/8 TUBE X 3/8 NPT	
NOT SHOWN	42260	2	FITTING, REDUCER, 3/8 NPT X 1/8 NPT	
NOT SHOWN	420385	2	FITTING, STREET ELBOW 90°, BRASS, 1/8 NPT	
79	910607	2	SENDER - PRESSURE, 150 PSI, 23-240 OHMS, 2-STUDS	
80	90295	1	VALVE, AIR REGULATOR	
NOT SHOWN	82370	2	BOLT, HEX 1/4-20 X 1 Lg	
NOT SHOWN	85111	4	WASHER, FLAT 3/8	
NOT SHOWN	85034	2	LOCKNUT, 3/8-16	
NOT SHOWN	40875	2	VALVE, DOUBLE CHECK	
NOT SHOWN	85090	2	WASHER, 5/16"	
NOT SHOWN	85035	2	NUT, 5/16"	
NOT SHOWN	40846	4	FITTING, ADAPTER STR, BRASS, 3/8 TUBE X 3/8 NPT	
NOT SHOWN	40823	2	FITTING, ELBOW 90°, BRASS, 3/8 TUBE X 3/8 NPT	
NOT SHOWN	40829	2	FITTING, BULKHD, BRASS, 1/4 NPT LONG	
NOT SHOWN	40827	4	FITTING, BULKHD, BRASS, 3/8 NPT	
NOT SHOWN	42088	2	FITTING, BULKHD, BRASS, 1/2 NPT	
NOT SHOWN	40823	8	FITTING, ELBOW 90°, BRASS, 3/8 TUBE X 3/8 NPT	
NOT SHOWN	40848	1	FITTING, STREET TEE, BRASS, 1/2 NPT	
NOT SHOWN	40878	2	FITTING, ELBOW 90°, BRASS, 5/8 TUBE X 1/2 NPT	
NOT SHOWN	40817	2	FITTING, STREE ELBOW 90°, BRASS, 1/2 NPT	
NOT SHOWN	62253	1	BRACKET- HOSE GUIDE	
NOT SHOWN	90094	1	TRAILER BRAKE PP1	
NOT SHOWN	90095	1	TRACTOR BRAKE PP3	
NOT SHOWN	40817	2	FITTING, STREET ELBOW 90° BRASS, 1/2 NPT	
NOT SHOWN	40687	2	HOSE ASSY -FRONT BRAKE CHAMBER	
NOT SHOWN	62253	1	BRACKET - HOSE GUIDE	
REV	DATE	BY		SHEET
A	3/22/2018	MAL		4 OF 5
TICO MANUFACTURING - RIDGELAND, SC 29936				

