

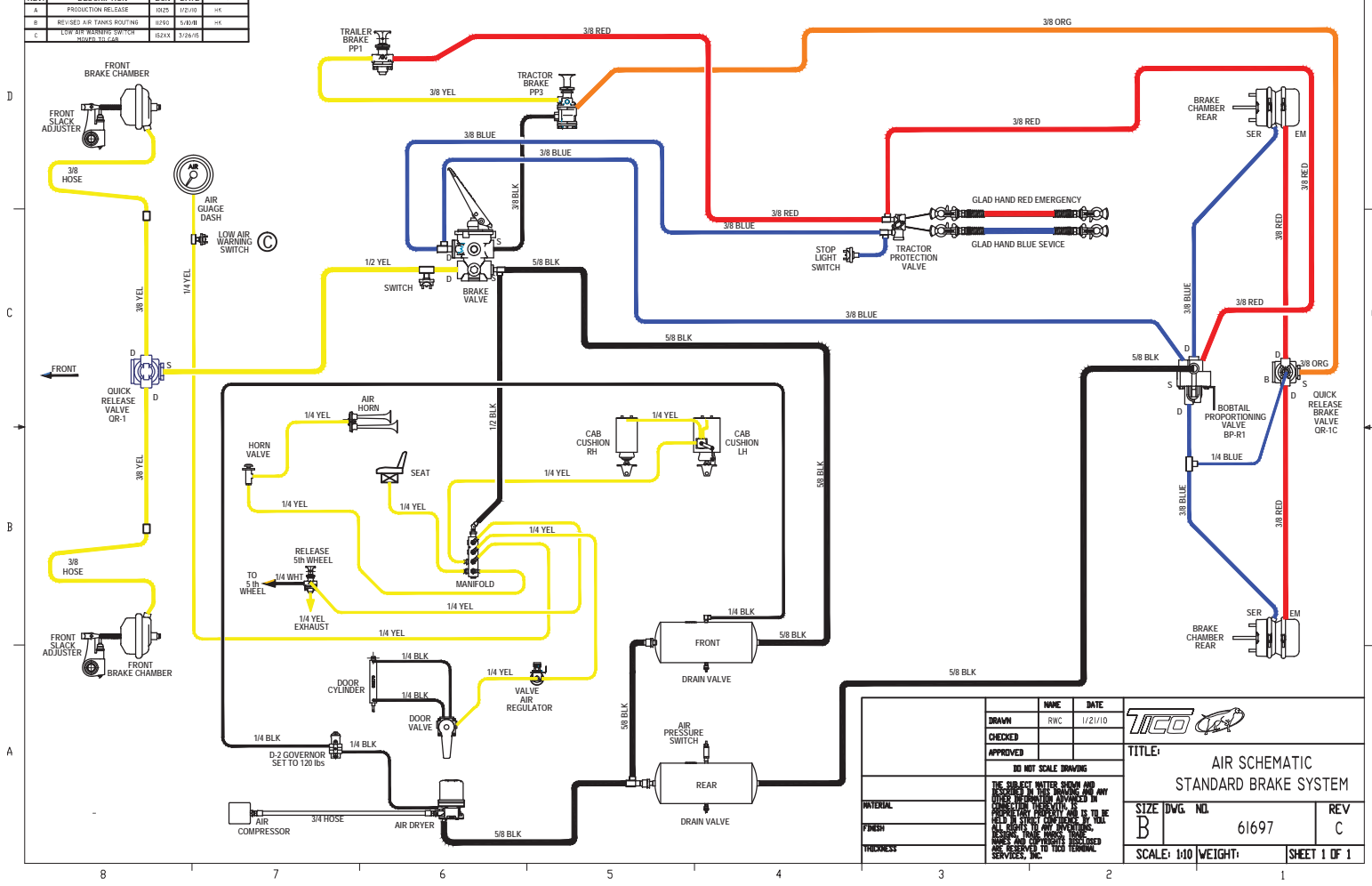
DIMENSIONS ARE IN INCHES		NAME	DATE	 WCO/PERMANAL SERVICE 66 CYPRESS RIDGE DR. ROCKLAND, SC 29554 (843) 717-2225
TOLERANCES		DESIGN	1/21/2016	
DECIMAL		DRAWN	DFM	TITLE: AIR SYSTEM 2 TANKS
X.XX ± 0.04		REVISED	DFM	
X.XX ± 0.03		APPROVED	3/7/2016	SIZE DWG. NO. REV D 72525-E1
X.XX ± 0.02		DO NOT SCALE DRAWING		SCALE: 1/24 WEIGHT: SHEET 1 OF 1
FRACTIONAL		THE SUBJECT MATTER SHOWN AND DESCRIBED IN THE DRAWING AND ANY OTHER INFORMATION CONTAINED HEREIN IS THE PROPERTY OF WCO/PERMANAL SERVICE AND IS TO BE USED ONLY FOR THE PROJECT AND ALL RIGHTS TO ANY INVENTIONS, PATENTS, TRADEMARKS, OR OTHER RIGHTS ARE RESERVED TO WCO/PERMANAL SERVICE.		
ANGULAR		UNLESS GEOMETRIC TOLERANCING IS SPECIFIED IN THE DRAWING AND ANY OTHER INFORMATION CONTAINED HEREIN IS THE PROPERTY OF WCO/PERMANAL SERVICE.		
1 ± 0.1°		WCO/PERMANAL SERVICE 66 CYPRESS RIDGE DR. ROCKLAND, SC 29554 (843) 717-2225		
FRACTIONAL		UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO BE TAKEN TO THE CENTERLINE UNLESS OTHERWISE SPECIFIED.		
± 0.005		UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO BE TAKEN TO THE CENTERLINE UNLESS OTHERWISE SPECIFIED.		
± 0.002		UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO BE TAKEN TO THE CENTERLINE UNLESS OTHERWISE SPECIFIED.		
± 0.001		UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO BE TAKEN TO THE CENTERLINE UNLESS OTHERWISE SPECIFIED.		

TICO PRO-SPOTTER				
S/N:		AIR SYSTEM-2015, OFF ROAD 2 TANKS		72525
ITEM	PART #	QTY/M	DESCRIPTION	TASK
	71236A	REF	INSTALLATION, AIR SYSTEM	
	61697	REF	SCHEMATIC, STANDARD SYSTEM, 2 TANKS	
	90094	REF	BRAKE, TRACTOR, PP1	
	90095	REF	BRAKE, TRAILER, PP3	
	40664	REF	DRAIN VALVE, AUTOMATIC (WITH HEAT)	
	40777	REF	DRAIN VALVE, AUTOMATIC (WITHOUT HEAT)	
		NOTE:	SET AIR GOVERNOR AT 120 PSI	
1	42286	1	ASSEMBLY, AIR TANK, TWO TANKS, FRAME QUICK CONNECT (SEE ASSEMBLY 42286 FOR INDIVIDUAL PARTS)	
2	82394	4	BOLT, HEX, 3/8-16 X 1 1/2 LONG	
3	85091	8	WASHER, FLAT, 3/8	
4	85025	4	LOCKNUT, NYLON, 3/8-16	
NOT SHOWN	40829	1	FITTING, BULKHEAD, BRASS, 1/4 NPT	
NOT SHOWN	40883	1	FITTING, STRAIGHT, 1/4 NPT TO 1/4 TUBE	
5	42084	1	DRAIN VALVE, AIR TANK	
NOT SHOWN	920000	1	VALVE, AIR TANK, 1/8NPT, .305-32 THD	
NOT SHOWN	40813	1	FITTING, REDUCER, BRASS, 1/4NPT TO 1/8NPT	
6	60023	1	GOVERNOR, D2 (WITH GASKET & 3 PLUGS)	
NOT SHOWN	80308	2	CAPSCREW, M8 X 1.25 X 70 LONG	
NOT SHOWN	85090	2	WASHER, LOCK, 5/16	
NOT SHOWN	40857	3	FITTING, ELBOW, 90°, BRASS, 1/4 TUBE X 1/8 NPT	
7	90026	1	BRAKE PEDAL	
8	90057	1	VALVE, BRAKE E-3	
NOT SHOWN	82360	3	BOLT, HEX, 5/16-18 x 3/4" LONG	
NOT SHOWN	82371	3	BOLT, HEX, 5/16-18 x 1" LONG	
NOT SHOWN	85090	3	WASHER, FLAT 5/16	
NOT SHOWN	85024	3	LOCKNUT, NYLON, 5/16-18	
NOT SHOWN	91236	1	SWITCH, DUAL CIRCUIT, NO/NC, 4 PSI	
NOT SHOWN	40848	1	FITTING, TEE STREET, BRASS, 1/2 NPT	
NOT SHOWN	40878	1	FITTING, ELBOW, 90°, BRASS, 5/8 TUBE X 1/2 NPT	
NOT SHOWN	42265	1	FITTING, ELBOW, 90°, BRASS, 1/2 TUBE X 1/2 NPT	
NOT SHOWN	42119	1	FITTING, ELBOW, 45°, BRASS, 3/8 TUBE X 1/2 NPT	
NOT SHOWN	40825	1	FITTING, ELBOW, 90°, BRASS, 3/8 TUBE X 1/2 NPT	
NOT SHOWN	42173	1	FITTING, ADAPTER, STRAIGHT, BRASS, 3/8 TUBE X 1/2 NPT	
NOT SHOWN	80163	1	FITTING, PLUG, SOCKET HEAD, HEX, 1/2 NPT	
NOT SHOWN	40841	3	FITTING, PLUG, SOCKET HEAD, HEX, 3/8 NPT	
REV	DATE	BY		SHEET
E	2/18/2016	DFM		1 OF 4
TICO MANUFACTURING - RIDGELAND, SC 29936				

TICO RO-SPOTTER				
S/N:		AIR SYSTEM-2015, OFF ROAD 2 TANKS		72525
ITEM	PART #	QTY/M	DESCRIPTION	TASK
NOT SHOWN	42090	1	FITTING, REDUCER, BRASS, 1/2 MNPT X 1/4 NPT	
NOT SHOWN	40813	1	FITTING, REDUCER BUSHING, BRASS 1/4 NPT-1/8NPT	
9	40550	1	VALVE, BRAKE, QUICK RELEASE, QR-1	
NOT SHOWN	81546	2	CAPSCREW, 5/16-18NC X 1 1/4" LONG	
NOT SHOWN	85090	2	WASHER, FLAT, 5/16	
NOT SHOWN	85024	2	LOCKNUT, NYLON, 5/16-18	
NOT SHOWN	40864	2	FITTING, ADAPTER, STRAIGHT, BRASS, 3/8 TUBE X 3/8NPT	
NOT SHOWN	42064	1	FITTING, ELBOW, 90°, BRASS, SWIVEL, 1/2 TUBE X 1/2NPT	
10	40572	1	VALVE, BOBTAIL/PROPORIONING, BP-R1 (WITH BRACKET)	
NOT SHOWN	82371	2	BOLT, 5/16 X 1	
NOT SHOWN	85090	4	WASHER, 5/16	
NOT SHOWN	85035	2	NUT, 5/16	
NOT SHOWN	40830	1	FITTING, ELBOW, 45°, BRASS, 1/2 TUBE X 1/2 NPT	
NOT SHOWN	42064	2	FITTING, ELBOW, 90°, BRASS, SWIVEL, 3/8 TUBE to 1/2 NPT	
NOT SHOWN	42063	1	FITTING, ELBOW, 90°, BRASS, 3/8 TUBE to 1/4 NPT	
NOT SHOWN	42112	1	FITTING, ELBOW, 90°, BRASS, 3/8 TUBE to 1/8 NPT	
NOT SHOWN	80163	1	FITTING, PLUG, ALLEN, BRASS 1/2" NPT	
NOT SHOWN	40841	1	FITTING, PLUG, ALLEN, BRASS 3/8" NPT	
NOT SHOWN	40840	1	FITTING, ELBOW, 90°, BRASS, 3/8 TUBE to 1/8 NPT	
11	10592	1	VALVE, BRAKE, QUICK RELEASE, QR-1C	
NOT SHOWN	81546	2	CAPSCREW, 5/16-18NC X 1 1/4 LONG	
NOT SHOWN	85024	2	LOCKNUT, NYLON, 5/16	
NOT SHOWN	40864	1	FITTING, ADAPTER, STRAIGHT, BRASS, 3/8 TUBE X 3/8 NPT	
NOT SHOWN	40823	1	FITTING, ELBOW, 90°, BRASS, 3/8 TUBE X 3/8 NPT	
NOT SHOWN	42063	1	FITTING, ELBOW, 90°, BRASS, 3/8 TUBE X 1/4 NPT	
NOT SHOWN	40857	1	FITTING, ELBOW, 90°, BRASS, 1/4 TUBE X 1/8 NPT	
12	10949	1	MANIFOLD, AIR ASSEMBLY	
NOT SHOWN	82201	2	CAPSCEW, HEX HEAD, 5/16-18 X 3 LONG	
NOT SHOWN	80232	2	WASHER, FLAT, 5/16	
NOT SHOWN	85209	2	LOCKNUT, 5/16-18	
NOT SHOWN	40833	2	FITTING, ADAPTER, STRAIGHT, BRASS, 1/4 TUBE X 3/8 NPT	
NOT SHOWN	40887	4	FITTING, ELBOW, 90°, BRASS, SWIVEL, 1/4 TUBE X 3/8 NPT	
NOT SHOWN	42064	1	FITTING, ELBOW, 90°, BRASS, SWIVEL, 1/2 TUBE X 1/2 NPT	
NOT SHOWN	40841	2	PLUG, SOCKET HEAD, HEX, 3/8 NPT	
NOT SHOWN	80163	1	PLUG, SOCKET HEAD, HEX, 1/2 NPT	
REV	DATE	BY		SHEET
E	2/18/2016	DFM		2 OF 4
TICO MANUFACTURING - RIDGELAND, SC 29936				

TICO PRO-SPOTTER				
S/N:		AIR SYSTEM-2015, OFF ROAD 2 TANKS		72525
ITEM	PART #	QTY/M	DESCRIPTION	TASK
NOT SHOWN	11000	20 ft	TUBING, NYLON AIR BRAKE, YELLOW, 1/4	
NOT SHOWN	11020	20 ft	TUBING, NYLON AIR BRAKE, WHITE, 1/4	
NOT SHOWN	11021	20 ft	TUBING, NYLON AIR BRAKE, BLUE, 1/4	
NOT SHOWN	11003	20 ft	TUBING, NYLON AIR BRAKE, BLACK, 1/4	
NOT SHOWN	11007	20 ft	TUBING, NYLON AIR BRAKE, RED, 3/8	
NOT SHOWN	11001	20 ft	TUBING, NYLON AIR BRAKE, BLUE, 3/8	
NOT SHOWN	11023	20 ft	TUBING, NYLON AIR BRAKE, GREEN, 3/8	
NOT SHOWN	11026	20 ft	TUBING, NYLON AIR BRAKE, ORANGE, 3/8	
NOT SHOWN	11004	20 ft	TUBING, NYLON AIR BRAKE, BLACK, 3/8	
NOT SHOWN	11013	20 ft	TUBING, NYLON AIR BRAKE, YELLOW, 3/8	
NOT SHOWN	11005	20 ft	TUBING, NYLON AIR BRAKE, BLACK, 1/2	
NOT SHOWN	11009	20 ft	TUBING, NYLON AIR BRAKE, BLUE, 1/2	
NOT SHOWN	11002	20 ft	TUBING, NYLON AIR BRAKE, RED, 1/2	
NOT SHOWN	11014	20 ft	TUBING, NYLON AIR BRAKE, YELLOW, 1/2	
NOT SHOWN	11025	20 ft	TUBING, NYLON AIR BRAKE, BLACK, 5/8	
NOT SHOWN	11024	20 ft	TUBING, NYLON AIR BRAKE, GREEN, 5/8	
NOT SHOWN	40827	4	FITTING, BULK HEAD, BRASS, 3/8 NPT	
NOT SHOWN	40829	2	FITTING, BULK HEAD, BRASS, 1/4 NPT	
NOT SHOWN	42088	2	FITTING, BULK HEAD, BRASS, 1/2 NPT	
NOT SHOWN	40895	1	FITTING, BRANCH TEE, BRASS, 3/8 TUBE X 1/4 NPT	
NOT SHOWN	42121	1	FITTING, BRANCH TEE, BRASS, 3/8 TUBE X 3/8 NPT	
NOT SHOWN	40823	4	FITTING, ELBOW, 90°, BRASS, 3/8 TUBE X 3/8 NPT	
NOT SHOWN	42063	1	FITTING, ELBOW, 90°, BRASS, 3/8 TUBE X 1/4 NPT	
NOT SHOWN	42265	4	FITTING, ELBOW, 90°, BRASS, SWIVEL, 1/2 TUBE X 1/2 NPT	
NOT SHOWN	40878	2	FITTING, ELBOW, 90°, BRASS, 5/8 TUBE X 1/2 NPT	
13	90069	1	VALVE, TRACTOR PROTECTION	
NOT SHOWN	82459	2	BOLT, 5/16-18 X 3 LONG	
NOT SHOWN	85090	4	WASHER, FLAT, 5/16	
NOT SHOWN	85024	2	LOCKNUT, NYLON, 5/16-18	
14	90078	1	SWITCH, PRESSURE, STOP LIGHT, BENDIX SL-5	
NOT SHOWN	42234	1	FITTING, STREET TEE, BRASS, 3/8 X 3/8 X 1/4	
NOT SHOWN	40823	1	FITTING, ELBOW, 90°, BRASS, 3/8 TUBE X 3/8NPT	
NOT SHOWN	42063	1	FITTING, ELBOW, 90°, BRASS, 3/8 TUBE X 1/4NPT	
NOT SHOWN	91272	1	SWITCH, PRESSURE, LOW AIR WARNING	
NOT SHOWN	91271	1	BUZZER, LOW AIR WARNING, 75-95 Db	
NOT SHOWN	42298	1	FITTING, FEMALE, BRANCH TEE, BRASS, 1/4 TUBE X 1/4 NPT	
REV	DATE	BY		SHEET
E	2/18/2016	DFM		3 OF 4
TICO MANUFACTURING - RIDGELAND, SC 29936				

REV.	DESCRIPTION	ECN	DATE	APPROVED
A	PRODUCTION RELEASE	1003	1/21/10	HW
B	REVISED AIR TANKS ROUTING	1020	5/18/11	HW
C	LOW AIR WARNING SWITCH MOUNTED TO GAS	1024X	3/26/15	



DRAWN	NAME	DATE	
CHECKED	RWC	1/21/10	
APPROVED			
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SIZE	DWG. NO.	REV	
B	61697	C	
SCALE: 1/10	WEIGHT:	SHEET 1 OF 1	