

Tire Pilot Plus™ Parts Manual

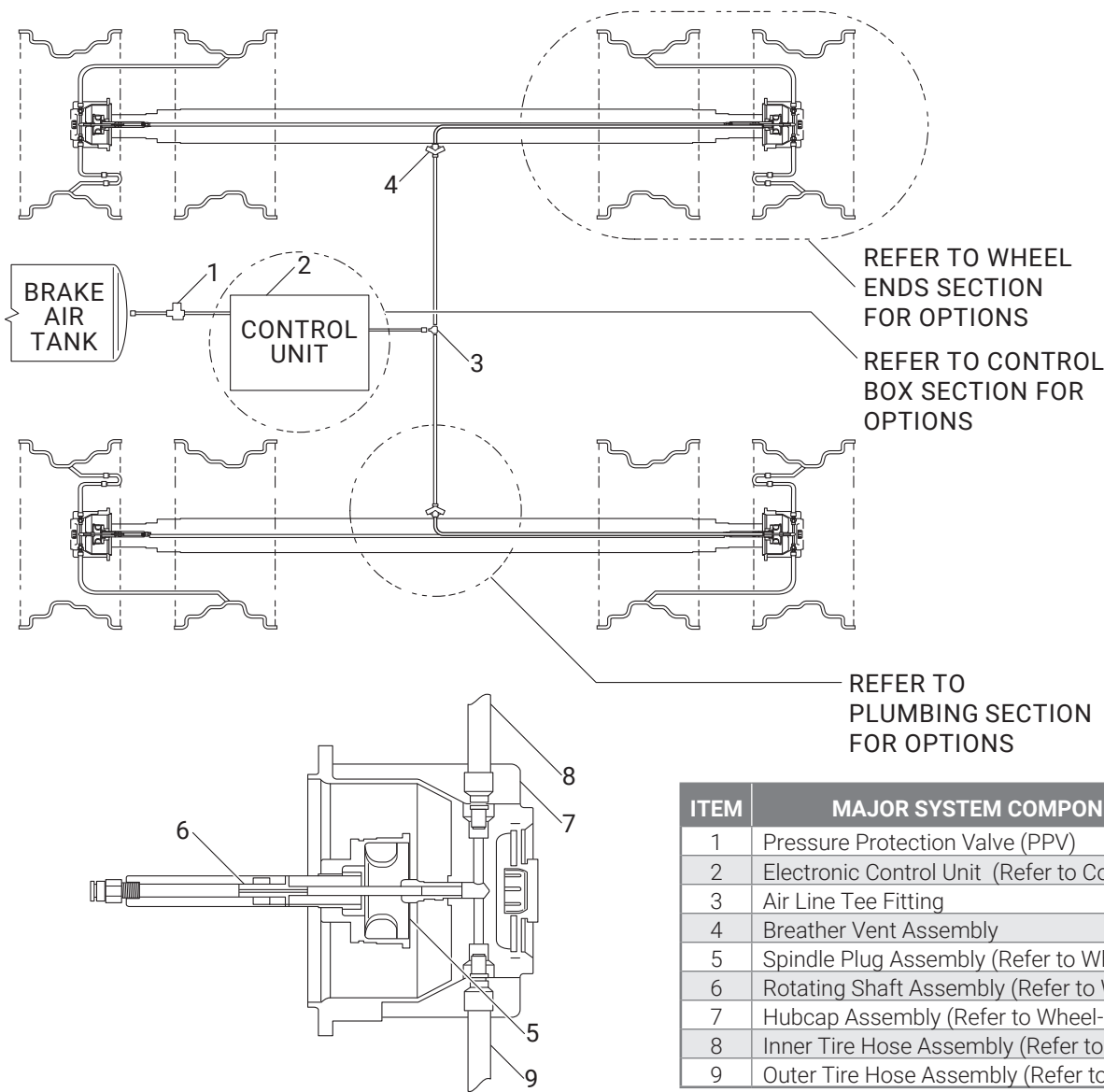
Providing OEM Quality Repair Kits and
Parts for SAF Tire Inflation Systems



TIRE  **PILOT**
PLUS

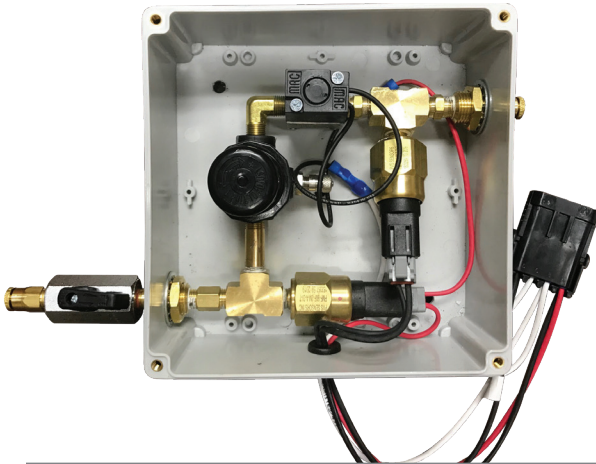
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System Schematic Layout Diagram -
Tandem Axle Dual Tire 1-Hole Axle Drilling



ITEM	MAJOR SYSTEM COMPONENTS
1	Pressure Protection Valve (PPV)
2	Electronic Control Unit (Refer to Controls)
3	Air Line Tee Fitting
4	Breather Vent Assembly
5	Spindle Plug Assembly (Refer to Wheel-Ends)
6	Rotating Shaft Assembly (Refer to Wheel-Ends)
7	Hubcap Assembly (Refer to Wheel-Ends)
8	Inner Tire Hose Assembly (Refer to Wheel-Ends)
9	Outer Tire Hose Assembly (Refer to Wheel-Ends)

Mechanical Regulator & Control Box Assemblies (No longer available*)



PART NUMBER*	REGULATOR SETTINGS
2116300000500	120
2116300000490	115
2116300000480	105
2116300000470	95
2116300000460	85
2116300000420	110
2116300000410	100
2116300000400	90
2116300000330	80

* Mechanical Regulator Control Box assemblies will be available until inventory is depleted. Refer to the Electronic Regulator section on page 4 if your part number is no longer available.

Switches



INPUT SWITCH (For mechanical regulator assemblies manufactured before November 2022)

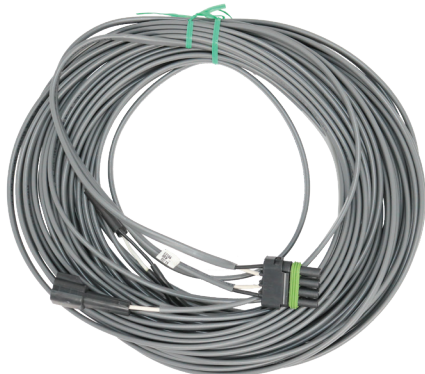
PART NUMBER	PSI SETTING	ENGRAVED NUMBER
2116100001330	100	10200V
2116100001320	90	10290V
2116100001310	80	10280V
2116100001220	70	10270V



OUTPUT SWITCH (For mechanical regulator assemblies manufactured before November 2022)

PART NUMBER	PSI SETTING	ENGRAVED NUMBER
2116100001360	100	10200L
2116100001350	90	10290L
2116100001340	80	10280L
2116100001280	70	10270L

Electrical Harnesses



2116300000310 - ELECTRICAL HARNESS FOR ABS POWER

Pre-assembled harness for connection to trailer ABS power, terminals mounted: .180 bullet connectors at low-pressure warning light, Delphi connector at trailer ABS power, Delphi connector at control box, male, no cutting/splicing

21' length from control box to ABS power connection, 66' length from control box to warning light



2116100000990 - ABS POWER ADAPTER

Connects Tire Pilot Plus electrical harness to ABS

* No longer available after stock is depleted.

Electronic Regulator/Control Unit Assembly



KIT NUMBER*	ELECTRONIC REGULATOR PART NUMBER	REGULATOR SETTINGS
48100805	2116300003050	80
48100806	2116300003040	85
48100807	2116300003030	90
48100808	2116300003020	95
48100809	2116300003010	100
48100810	2116300003000	105
48100811	2116300002990	110
48100812	2116300002980	115
48100813	2116300002970	120

*Kit contains electronic regulator and electrical harnesses

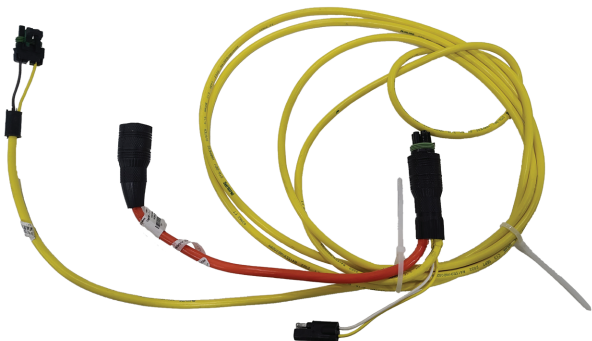
Electrical Harness



2116100002250 - ELECTRICAL HARNESS FOR LED WARNING LIGHT

Pre-assembled harness for connection to trailer ABS power adapter, terminals mounted: .180 bullet connectors at low-pressure warning light, two-way flat connector at trailer ABS power, male, no cutting/splicing

53' length from ABS power adapter to LED warning light.



2116100002190 - ABS POWER ADAPTER

Connects Tire Pilot Plus electrical harness to ABS

Air Tank Plumbing Components



2116300000320 - AIR TANK PLUMBING KIT WITH
PPV + HARDWARE CONNECTIONS

Electrical (Low-Pressure Warning Light) Components



2116100000970 - LED WARNING LIGHT (Light Only)



2116100001000 - LED WARNING LIGHT (Bracket Only)

Plumbing



2116300000540 - 1/4" AIR LINE TEE

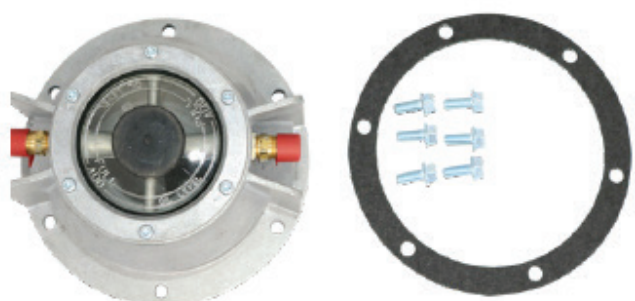


2116300000660 - 1-HOLE BREATHER ASSEMBLY

Hubcap Assemblies



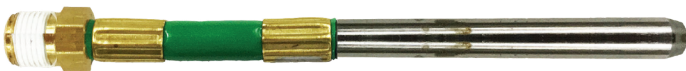
2047300000390 - **TAPER** GREASE



2047300000440 - **PARALLEL** OIL

HUBCAP REPAIR KIT (AS SHOWN)	HUBCAP ASSEMBLY ONLY	HUBCAP GASKET ONLY	ROTATING SHAFT (INCLUDED WITH KIT OR ASSEMBLY)	SPINDLE	TIRES	LUBE
48100733	2047300000390	2024100000320	2116300000380	TAPER	DUAL	GREASE
48100734	2047300000400		2116300000380	TAPER	DUAL	OIL
48100735	2047300000410		2116300000380	TAPER	SINGLE	GREASE
48100736	2047300000420		2116300000380	TAPER	SINGLE	OIL
48100737	2047300000430	2024100000310	2116300000390	PARALLEL	DUAL	GREASE
48100738	2047300000440		2116300000390	PARALLEL	DUAL	OIL
48100739	2047300000450		2116300000390	PARALLEL	SINGLE	GREASE
48100740	2047300000460		2116300000390	PARALLEL	SINGLE	OIL

Rotating Shaft Assemblies



2116300000380 - ROTATING SHAFT ASSEMBLY

5" OAL for all integral hubcap applications with **taper** spindle axles and certain rotating and screw-on applications with **parallel** spindle axles



2116300000390 - ROTATING SHAFT ASSEMBLY

6" OAL for all integral hubcap applications with **parallel** spindle axles

SPINDLE PLUG & ROTATING SHAFT ASSEMBLY REPAIR KIT	SPINDLE	FITTING STYLE	PART NUMBERS	
			SHAFT ASSEMBLY	SPINDLE PLUG ASSEMBLY
48100741	TAPER	DUAL	2116300000380	2116300000270
48100742	TAPER	SINGLE	2116300000380	2116300000260
48100743	PARALLEL	DUAL	2116300000390	2116300000280
48100744	PARALLEL	SINGLE	2116300000390	2116300000290

Tire Hoses



2116300003430 - **OUTER** TIRE HOSE FOR INTEGRAL HUBCAP, 22.5" DUAL TIRE, 8.7" HOSE LENGTH (12.5" O.A.L.) WITH DUAL CHECK PORTS



2116300003420 - **INNER** TIRE HOSE FOR INTEGRAL HUBCAP, 22.5" DUAL TIRE OR 22.5" SINGLE TIRE 12.1" HOSE LENGTH (15.3" O.A.L.) WITH DUAL CHECK PORTS

O-Rings



48100784 – SRK-918 – TIRE HOSE O-RINGS **VALVE STEM SIDE** PACK OF 10
48100785 – SRK-919 – TIRE HOSE O-RINGS **HUBCAP SIDE** PACK OF 10

Spindle Plug Assemblies



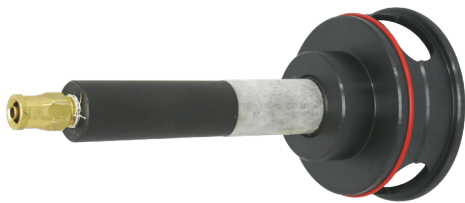
2116300000260 - **TAPER** SINGLE INLET 1.75" SPINDLE PLUG ASSEMBLY

For 3-hole axle drilling and **Curbside** 1-Hole axle drilling



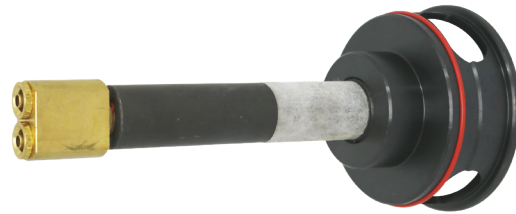
2116300000270 - **TAPER** DUAL INLET 1.75" SPINDLE PLUG ASSEMBLY

For **Roadside** 1-Hole axle drilling



2116300000290 - **PARALLEL** SINGLE INLET 2.75" SPINDLE PLUG ASSEMBLY

For oil lube, 3-Hole axle drilling and **Curbside** 1-Hole axle drilling



2116300000280 - **PARALLEL** DUAL INLET 2.75" SPINDLE PLUG ASSEMBLY

For oil lube, **Roadside** 1-Hole axle drilling

NOTE: Typically, dual inlet spindle plugs are installed roadside and single inlet spindle plugs are installed curbside. Be sure to verify which spindle plug assembly is required before ordering as this may differ depending on where the Tire Pilot Plus tire inflation system was installed.

NOTE: One single inlet and one dual Inlet spindle plug assembly will be required for each axle with 1-hole drilling.

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