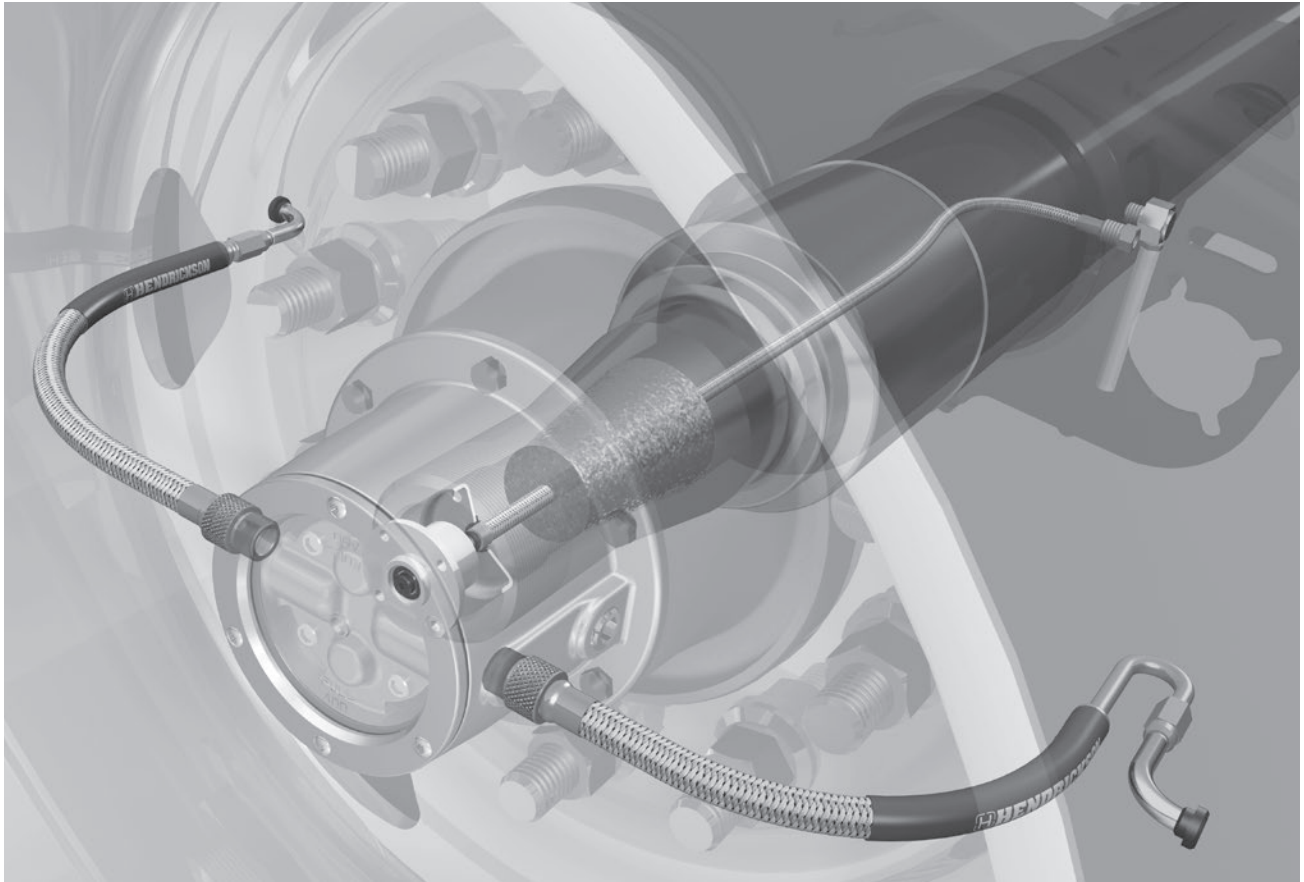


# PARTS LIST

## TIREMAAX®

LIT NO: L878

DATE: September 2013 REVISION: I



For complete service and installation instructions refer to L818 (EC), L995, or T51002 both can be found on the Hendrickson web site at [www.hendrickson-intl.com](http://www.hendrickson-intl.com).

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<sup>1</sup> CP units built March 2012 and later include integrated hubcap.

<sup>2</sup> CP units built prior to March 2012.

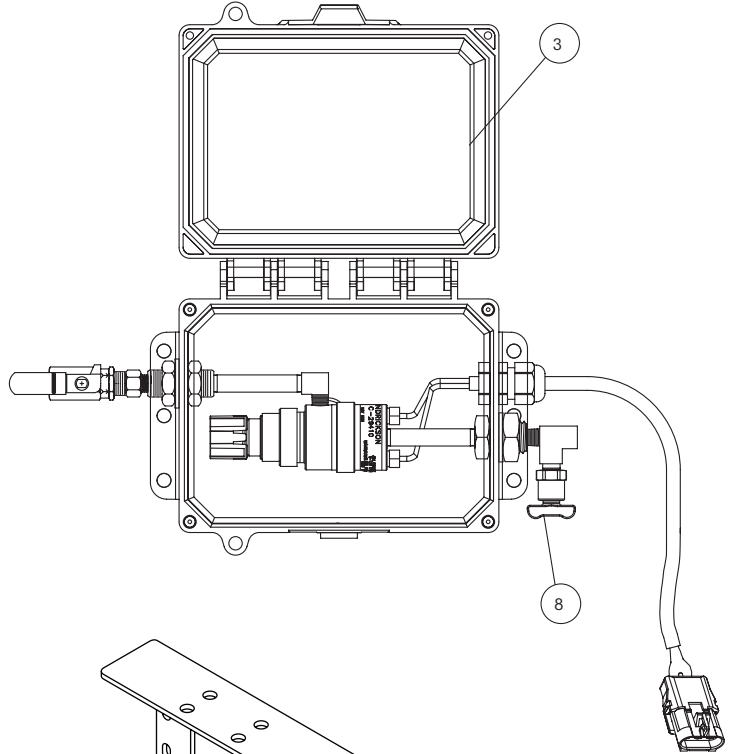
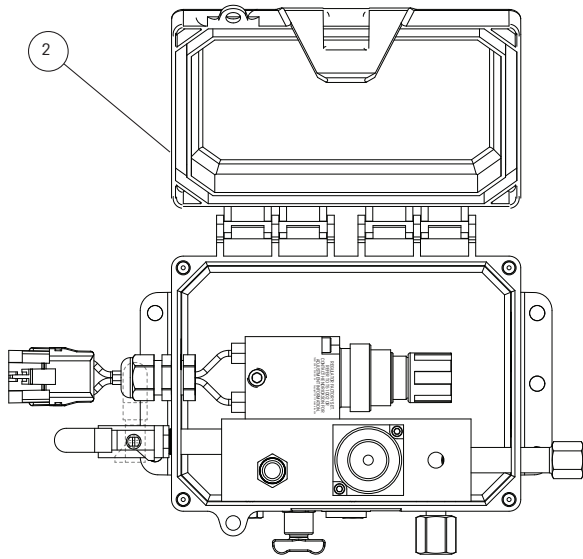
TIREMAAX® PARTS LIST



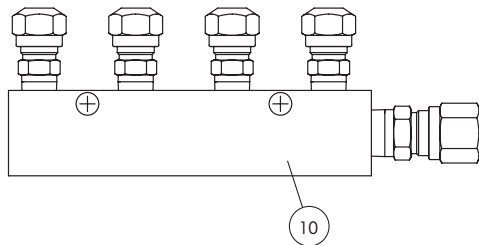
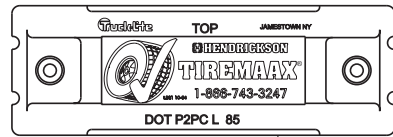
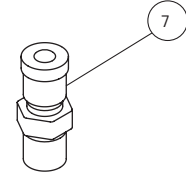
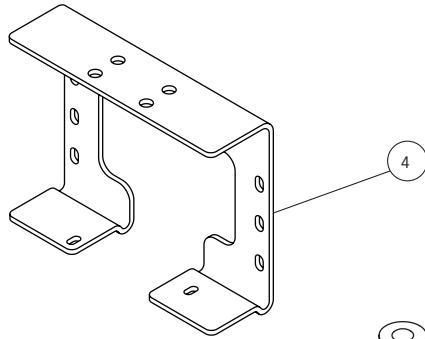
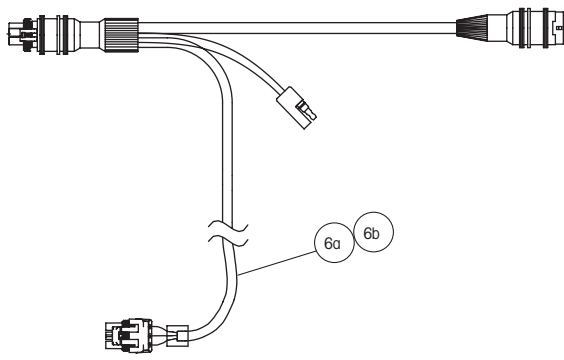
TIREMAAX® CONTROLLERS (PRO and CP Integrated)

**PRO CONTROLLER ASSEMBLY**

**CP CONTROLLER ASSEMBLY**  
(Tank valve shown separately)



Three-wire harness  
3-foot or 15-foot long  
ABS junction harness





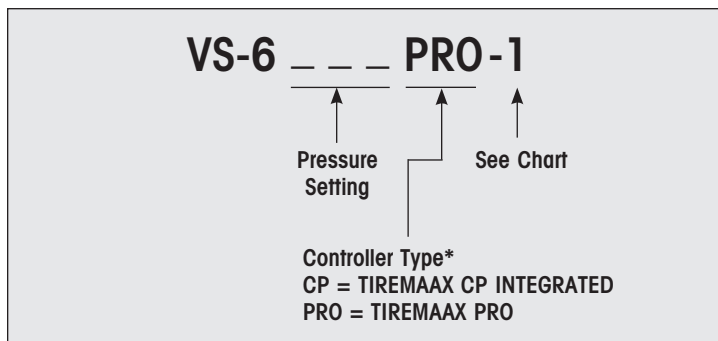
**TIREMAAX® CONTROLLERS (PRO and CP Integrated)**

ITEM	DESCRIPTION	PART NO.	QTY. PER TANDEM	NOTE
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**1 CONTROLLER KIT** (Complete kit not shown)  
Available as assembled unit only

Description	PSI Range
TIREMAAX PRO	85 to 120
TIREMAAX CP INTEGRATED	70 to 130

\* Both TIREMAAX PRO and CP Integrated are available in increments of 5 psi.



Example: Pro Controller Kit part number VS-6100PRO-1 is 100 psi with adapter plug, no indicator light and no controller tank valve.

Quick Guide	Controller Kit	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12
Property Descriptions	Valid Value												
Indicator Light Kit	Standard							X		X	X		
	No	X	X	X	X	X	X						
	LED								X			X	X
Wiring Harness	Adapter Plug	X			X					X		X	
	15" Heavy Duty		X			X		X	X				
	3" Heavy Duty			X			X				X		X
Controller Tank Valve	Yes				X	X	X						
	No	X	X	X				X	X	X	X	X	X

ITEM	DESCRIPTION	PART NO.	QTY. PER TANDEM	NOTE
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**2 PRO CONTROLLER ASSEMBLY** (Available as assembled unit only) VS-32074-XXX\* 1 \*Pressure settings range from 80-120 for dual tires and from 90-120 for super single tires Programmed to XXX psi

**2a** PRO and CP Controller Lid VS-30461

**3 CP AND CP INTEGRATED CONTROLLER ASSEMBLY (Constant Pressure)** Available as assembled unit only

**3a** CP and CP Integrated Controller Assembly VS-29865-XXX 1 Programmed to XXX psi

**3b** CP and CP Integrated Controller Assembly VS-31520-XXX 1 With tank valve; programmed to XXX psi

**3c** PRO and CP Controller Lid VS-30461

**4 CP AND CP INTEGRATED MOUNTING BRACKET** VS-29859 1 Optional (Recommended for Spring Suspensions)

**5 THREE-WIRE HARNESS (PRO and CP Integrated)** (Not Shown) VS-29857 1 18-inch; 3-way connector

**6 ABS JUNCTION HARNESS**

**6a** PRO and CP Integrated Model VS-30270 1 15-foot; 3-way connector

**6b** PRO and CP Integrated Model VS-30270-1 1 3-foot; 3-way connector

**7 TANK VALVE** (CP Integrated Only) VS-31519 1

**8 PETCOCK** VS-29409 1

**9 TRAILER MOUNTED INDICATOR LAMP ASSEMBLY** VS-28059 1 Includes standard light assembly, gasket, ground wire and cable

**9a** Trailer Mounted Indicator Lamp Assembly (Not Shown) VS-28059-1 1 LED light, bracket and cable

**9b** Trailer Mounted Indicator Lamp Assembly (Not Shown) VS-29880 1 LED light only

**9c** Trailer Mounted Indicator Lamp Assembly (Not Shown) VS-29883 1 LED indicator light cable

**9d** Trailer Mounted Indicator Lamp Assembly (Not Shown) VS-28522 1 Light

**9e** Trailer Mounted Indicator Lamp Assembly (Not Shown) VS-28526 1 Light assembly

**9f** Trailer Mounted Indicator Lamp Assembly (Not Shown) VS-28336 1 Standard indicator light cable

**10 MANIFOLD**

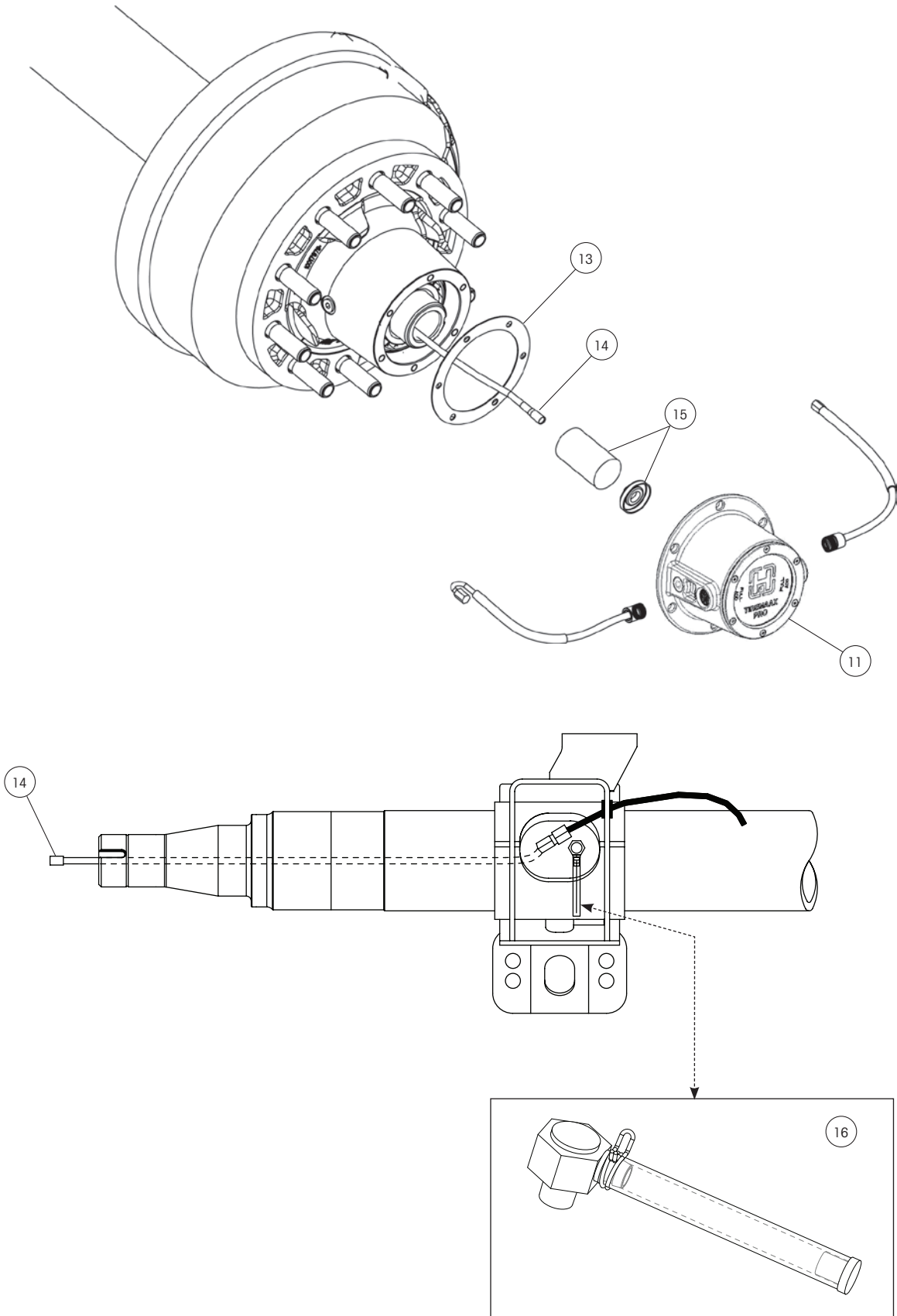
**10a** Manifold VS-30410 1

**10b** Tridum Manifold VS-30470 1

# TIREMAAX® PARTS LIST



## TIREMAAX® AXLE AND WHEEL COMPONENTS (PRO and CP Integrated)





## TIREMAAX® AXLE AND WHEEL COMPONENTS (PRO and CP Integrated)

ITEM	DESCRIPTION	PART NO.	QTY. PER TANDEM	NOTE
<b>11</b>	<b>HUBCAP</b>			
	<b>11a</b> PRO HN Oil - Dual/ Super Single Tires	VS-32055-1	4	Includes gasket and fasteners
	<b>11b</b> PRO HN Grease - Dual/ Super Single Tires	VS-32055-3	4	Includes gasket and fasteners
	<b>11c</b> PRO HP Oil - Dual/ Super Single Tires	VS-32056-1	4	Includes gasket and fasteners
	<b>11d</b> PRO HP Grease - Dual/ Super Single Tires	VS-32056-3	4	Includes gasket and fasteners
	<b>11e</b> CP Integrated HN Oil - Dual/ Super Single Tires	VS-32068-1	4	Includes gasket and fasteners
	<b>11f</b> CP Integrated HN Grease - Dual/ Super Single Tires	VS-32068-3	4	Includes gasket and fasteners
	<b>11g</b> CP Integrated HP Oil - Dual/ Super Single Tires	VS-32070-1	4	Includes gasket and fasteners
	<b>11h</b> CP Integrated HP Grease - Dual/ Super Single Tires	VS-32070-3	4	Includes gasket and fasteners
	<b>11i</b> PRO Extended HP Oil - Dual Tires <sup>1</sup>	VS-32057-1	4	Includes gasket and fasteners
	<b>11j</b> PRO Extended HP Oil - Super Single Tires <sup>1</sup>	VS-32057-2	4	Includes gasket and fasteners
	<b>11k</b> PRO Extended HP Grease - Dual Tires <sup>1</sup>	VS-32057-3	4	Includes gasket and fasteners
	<b>11l</b> PRO Extended HP Grease - Super Single Tires <sup>1</sup>	VS-32057-4	4	Includes gasket and fasteners
	<b>11m</b> CP Integrated Extended HP Oil - Dual Tires <sup>1</sup>	VS-32072-1	4	Includes gasket and fasteners
	<b>11n</b> CP Integrated Extended HP Oil - Super Single Tires <sup>1</sup>	VS-32072-2	4	Includes gasket and fasteners
	<b>11o</b> CP Integrated Extended HP Grease - Dual Tires <sup>1</sup>	VS-32072-3	4	Includes gasket and fasteners
	<b>11p</b> CP Integrated Extended HP Grease - Super Single Tires <sup>1</sup>	VS-32072-4	4	Includes gasket and fasteners
<b>12</b>	<b>HUBCAP WINDOW REPLACEMENT KITS</b> (Not Shown)			
	<b>12a</b> CP Integrated Oil	VS-32054-1	4	Hubcap lens, lens plate, tri-lobe screws
	<b>12b</b> CP Integrated Grease	VS-32054-2	4	Hubcap lens, lens plate, tri-lobe screws
	<b>12c</b> PRO Oil	VS-32054-3	4	Hubcap lens, lens plate, tri-lobe screws
	<b>12d</b> PRO Grease	VS-32054-4	4	Hubcap lens, lens plate, tri-lobe screws
<b>13</b>	<b>HUBCAP GASKETS</b>			
	<b>13a</b> HP Gasket	S-32097	4	
	<b>13b</b> HN Gasket	S-32098	4	
<b>14</b>	<b>AXLE HOSE FOR PRO AND CP INTEGRATED</b> (Purchased after 01/01/2012 <sup>2</sup> )			
	<b>14a</b> INTRAAX®/ VANTRAAX®	VS-32087-1	4	Requires axle vent VS-32101
	<b>14b</b> TRLAXLE® Trailer Axle	VS-32087-2	4	Requires axle vent VS-32101-1
<b>15</b>	<b>SPINDLE PLUG ASSEMBLY FOR PRO AND CP INTEGRATED</b> (Purchased after 01/01/2012 <sup>2</sup> )			
	<b>15a</b> HN - 1.75"	VS-33092-1	4	
	<b>15b</b> HP - 2.50"	N/A	4	
	<b>15c</b> HUS/P90 and HP - 2.75"	VS-33092-2	4	
<b>16</b>	<b>AXLE VENT</b>			
	<b>16a</b> INTRAAX®/ VANTRAAX®	VS-32101	2	
	<b>16b</b> TRLAXLE Trailer Axle	VS-32101-1	2	
<b>17</b>	<b>AXLE KIT</b>			
	<b>17a</b> INTRAAX®/ VANTRAAX®	VS-9201TM	2	
	<b>17b</b> TRLAXLE Trailer Axle	VS-9202TM	2	

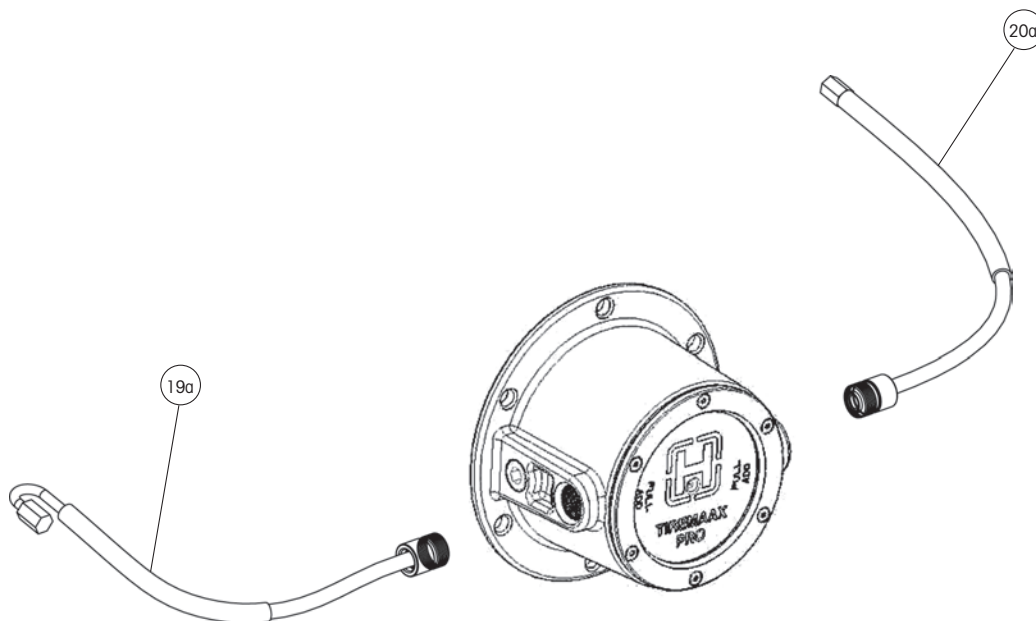
<sup>1</sup> Only required with castellated nut system.<sup>2</sup> If purchased after January 1, 2012, call customer service to verify that your suspension has been built with the new TIREMAAX PRO and CP Integrated components.



# TIREMAAX® PARTS LIST

## TIREMAAX® AXLE AND WHEEL COMPONENTS (PRO and CP Integrated)

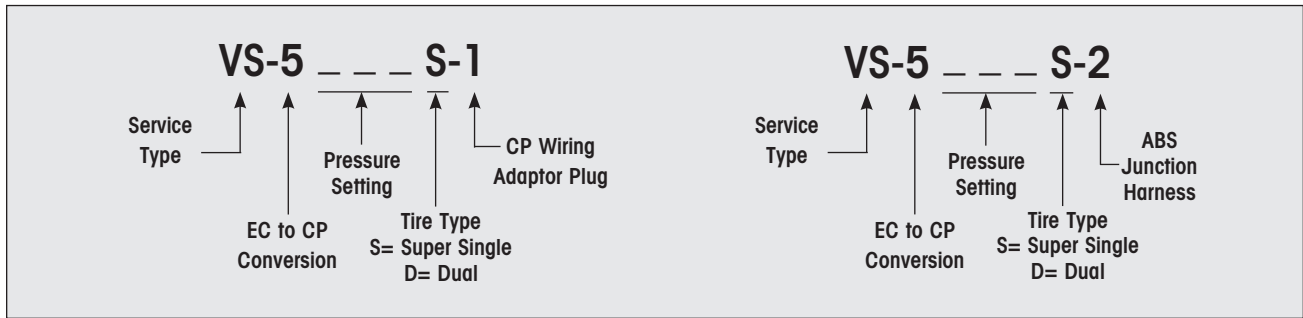
ITEM	DESCRIPTION	PART NO.	QTY. PER TANDEM	NOTE
<b>18</b>	<b>WHEEL KIT</b> (Individual Components Shown)			
	<b>18a</b> Dual Wheels, Tire Size 17" - 19.5"	VS-8201TM	2	(2) Straight tire hose assemblies (2) 180-degree tire hose assemblies
	<b>18b</b> Dual Wheels, Tire Size Greater than 19.5"	VS-8202TM	2	(2) Straight tire hose assemblies (2) 180-degree tire hose assemblies
	<b>18c</b> Super Single Tires Aluminum 22.5"	VS-8203TM	2	(2) Straight tire hose assemblies
<b>19</b>	<b>TIRE HOSE ASSEMBLY - 180-DEGREE</b>			
	<b>19a</b> Tire Hose Assembly 11.5"	VS-31504-1	4	Dual wheels; tire size 17" to 19.5"
	<b>19b</b> Tire Hose Assembly 15"	VS-31504-2	4	Dual wheels; tire size 22.5" or 24.5"
<b>20</b>	<b>TIRE HOSE ASSEMBLY - Straight</b>			
	<b>20a</b> Tire Hose Assembly 16.5"	VS-31503-1	4	Dual wheels; tire size greater than 19.5"
	<b>20b</b> Tire Hose Assembly 14.5"	VS-31503-2	4	Dual wheels; tire size 17" to 19.5"
	<b>20c</b> Tire Hose Assembly 11.5"	VS-31503-3	4	Super single tires aluminum, 22.5"
<b>21</b>	<b>TIRE HOSE ASSEMBLY - 135-DEGREE</b>			
	<b>21a</b> Tire Hose Assembly 11.5"	VS-31505-1	4	Super single tires steel, 135-degree fitting, 22.5"
<b>22</b>	<b>TIRE HOSE O-RING SERVICE KIT</b>	VS-28999	4	
<b>23</b>	<b>LIQUID-FILLED GAUGE</b>	VS-31498	1	*Not Shown - Optional TIREMAAX PRO





TIREMAAX® CONTROLLERS (EC)

ITEM	DESCRIPTION	QTY. PER TANDEM	NOTE
1	EC to CP Retrofit Kit	1	



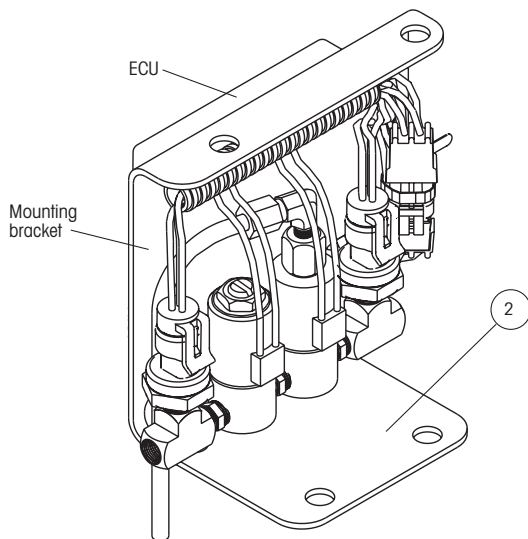
Example: Conversion Kit Part Number VS-5100S-1 is 100 psi for Super Single with CP Wiring Adaptor Plug.

Description	PSI Range
TIREMAAX EC and CP	70 to 130

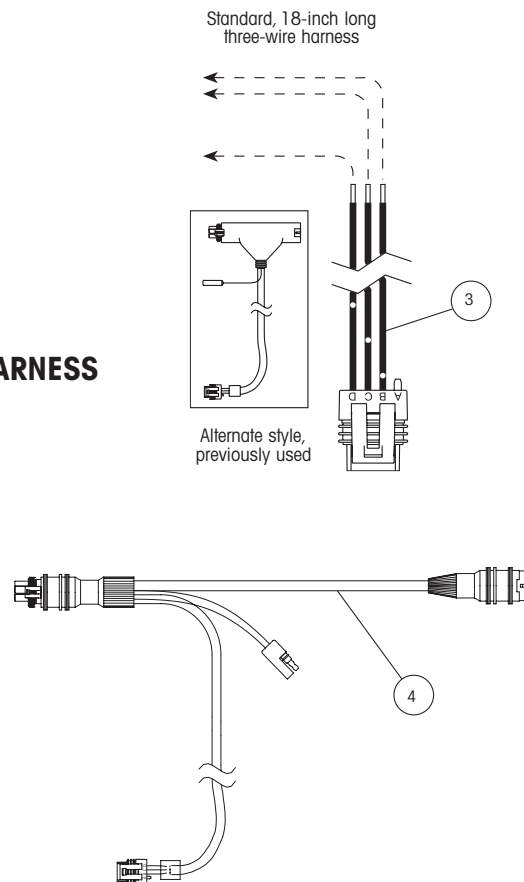
\* Offered in 5 psi increments.

ITEM	DESCRIPTION	PART NO.	QTY. PER TANDEM	NOTE
2	EC Controller Assembly (Electronic Control)			No longer available — replace with item 1
3	EC Wiring Adapter	VS-27771	1	18-inch; 4-way connector
4	EC Wire Harness	VS-29884	1	15-foot; 4-way connector

EC CONTROLLER ASSEMBLY

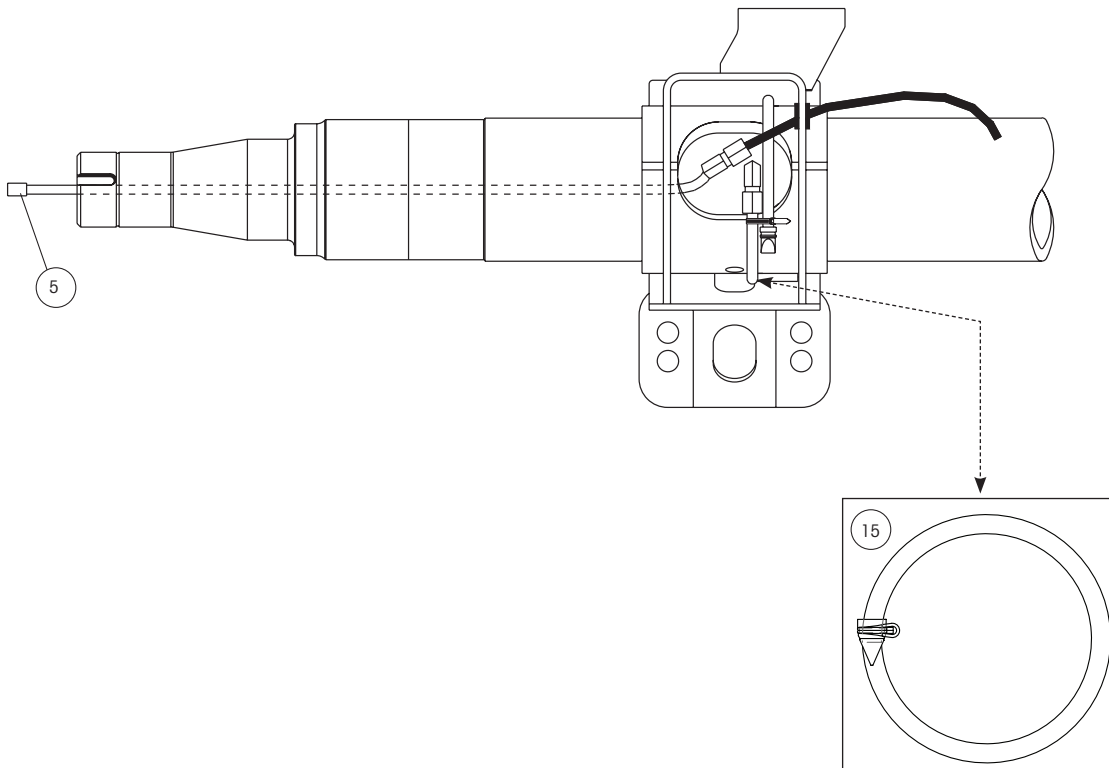
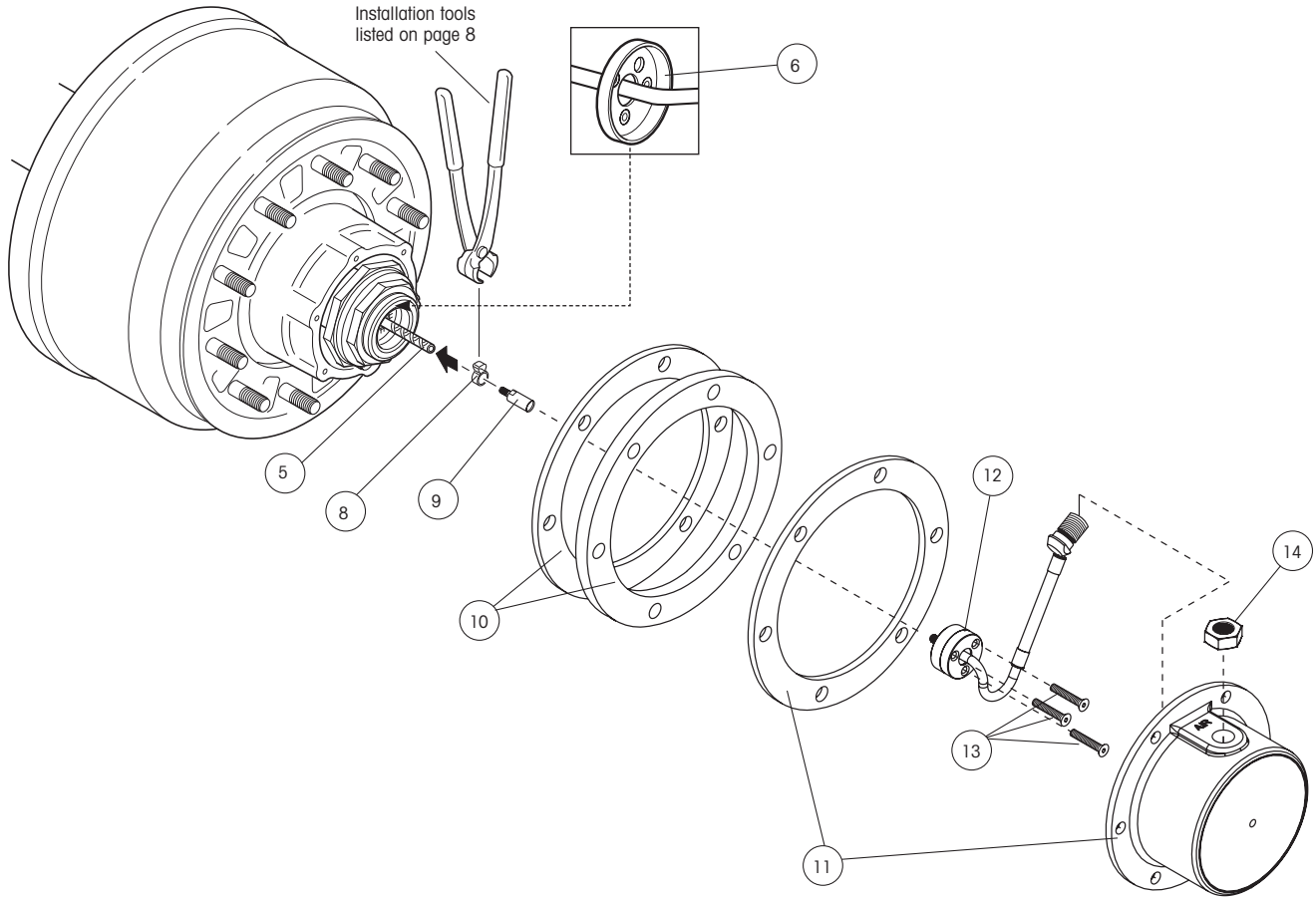


HARNESS





## TIREMAAX® AXLE AND WHEEL COMPONENTS (EC and CP)



TIREMAAX® EC and CP





## TIREMAX® AXLE AND WHEEL COMPONENTS (EC and CP)

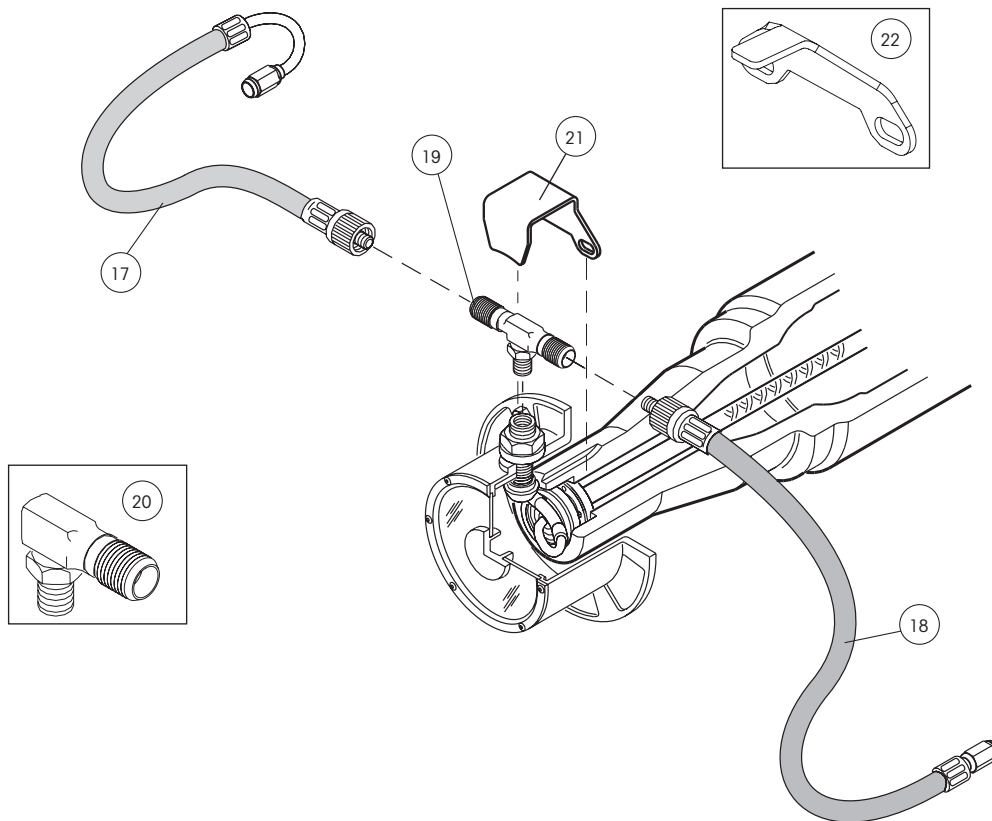
ITEM	DESCRIPTION	PART NO.	QTY. PER TANDEM	NOTE
<b>5</b>	<b>AXLE HOSE</b>			
<b>5a</b>	INTRAAAX®/ VANTRAAX®	VS-29094-1	4	
<b>5b</b>	TRLAXLE® Trailer Axle	VS-29094-2	4	
<b>6</b>	<b>SPINDLE PLUG ASSEMBLY</b>			
<b>6a</b>	HN - 1.75"	VS-27448	4	
<b>6b</b>	HP - 2.50"	VS-27839	4	
<b>6c</b>	HUS/P90 and HP - 2.75"	VS-27449	4	
<b>7</b>	<b>AXLE/FILTER KIT</b> (Not Shown)			
<b>7a</b>	HP Axle	S-24960	4	
<b>7b</b>	HN Axle	S-24963	4	
<b>8</b>	<b>AXLE HOSE CLAMP</b>	VS-26451	4	Not required with threaded axle hose
<b>9</b>	<b>HOSE END ADAPTER</b>	VS-28865	4	Axle hose fitting (includes (2) axle hose clamps)
<b>10</b>	<b>HUBCAP SPACER KIT</b> (No longer available)			Replaced by 11h, 11i, 11j or 11k
<b>11</b>	<b>HUBCAP</b>			
<b>11a</b>	HN Grease - Standard	VS-29566-1	4	Bolt-on, includes gasket and fasteners
<b>11b</b>	HN Oil - Standard	VS-29566-3	4	Bolt-on, includes gasket and fasteners
<b>11c</b>	HP Grease - Standard	VS-29566-2	4	Bolt-on, includes gasket and fasteners
<b>11d</b>	HP Oil - Standard	VS-29566-4	4	Bolt-on, includes gasket and fasteners
<b>11e</b>	HUS/ P90 Screw-on	VS-29566-5	4	Screw-on, includes integrated o-ring
<b>11f</b>	HUS/ P90 6-bolt	VS-29566-2	4	Bolt-on, includes gasket and fasteners
<b>11g</b>	HUS/ P90 3-bolt	S-29227-2	4	Bolt-on, includes integrated o-ring
<b>11h</b>	HN Grease - Stemco Extended Hubcap	VS-31290	4	Bolt-on, includes gasket
<b>11i</b>	HP Grease - Stemco Extended Hubcap	VS-31291	4	Bolt-on, includes gasket
<b>11j</b>	HN Oil - Stemco Extended Hubcap	VS-31292	4	Bolt-on, includes gasket
<b>11k</b>	HP Oil - Stemco Extended Hubcap	VS-31293	4	Bolt-on, includes gasket
<b>12</b>	<b>ROTARY UNION KITS</b> (Shown on Page 8)			
<b>12a</b>	No Spindle Plug	S-28622	4	Includes (1) rotary union assembly, (2) hose clamps, (4) machine screws, and (1) hose end adapter
<b>12b</b>	HN Spindle Plug	S-28192	4	Includes (1) rotary union assembly, (1) 1.75" spindle plug, (2) hose clamps, (4) machine screws, (1) HN hubcap gasket and (1) hose end adapter
<b>12c</b>	HP and HUS/ P90 Spindle Plug	S-28193	4	Includes (1) rotary union assembly, (1) 2.75" spindle plug, (2) hose clamps, (4) machine screws, (1) HP hubcap gasket, (1) HUS/ P90 hubcap o-ring and (1) hose end adapter
<b>13</b>	<b>COUNTERSUNK CAP SCREW</b>	SA-8200-8	12	Order (3) per rotary union
<b>14</b>	<b>JAM NUT</b>	VS-26487	4	
<b>15</b>	<b>AXLE VENT KIT W/ DUCK BILL CHECK</b>	VS-27378	4	
<b>16</b>	<b>AXLE FILTER</b> (Not Shown)	A-24217	4	

# TIREMAAX® PARTS LIST



## TIREMAAX® AXLE AND WHEEL COMPONENTS (EC and CP)

ITEM	DESCRIPTION	PART NO.	QTY. PER TANDEM	NOTE
<b>17</b>	<b>TIRE HOSE ASSEMBLY - 180-DEGREE</b>			Includes braided hose with fittings
	<b>17a</b> Tire Hose Assembly 11.5"	VS-29004-1	4	Dual tire size 17" to 19.5"
	<b>17b</b> Tire Hose Assembly 15"	VS-29004-2	4	Dual tire size greater than 19.5"
<b>18</b>	<b>TIRE HOSE ASSEMBLY - Straight - 16.6"</b>	VS-29003-1	4	Includes braided hose with fittings. Dual tire size greater than 17" and super single 22.5"
<b>19</b>	<b>TEE FITTING - FOR DUAL TIRES</b>	VS-29854	4	Dual tire
<b>20</b>	<b>90-DEGREE ELBOW FITTING - FOR SINGLE TIRES</b>	VS-30002	4	Super single tires
<b>21</b>	<b>TEE FITTING GUARD for HN and HP</b>			
	<b>21a</b> Tee Fitting Guard for HN and HP	VS-27890	4	Not compatible with HUS® / P90 or Stemco hubcaps
	<b>21b</b> 6-bolt	VS-30451	4	Compatible with Stemco hubcaps
<b>22</b>	<b>TEE FITTING GUARD for HUS® / P90 Bolt-on Hubcap</b>			
	<b>22a</b> 6-bolt Hubcap	S-28914	4	
	<b>22b</b> 3-bolt Hubcap	S-29147	4	

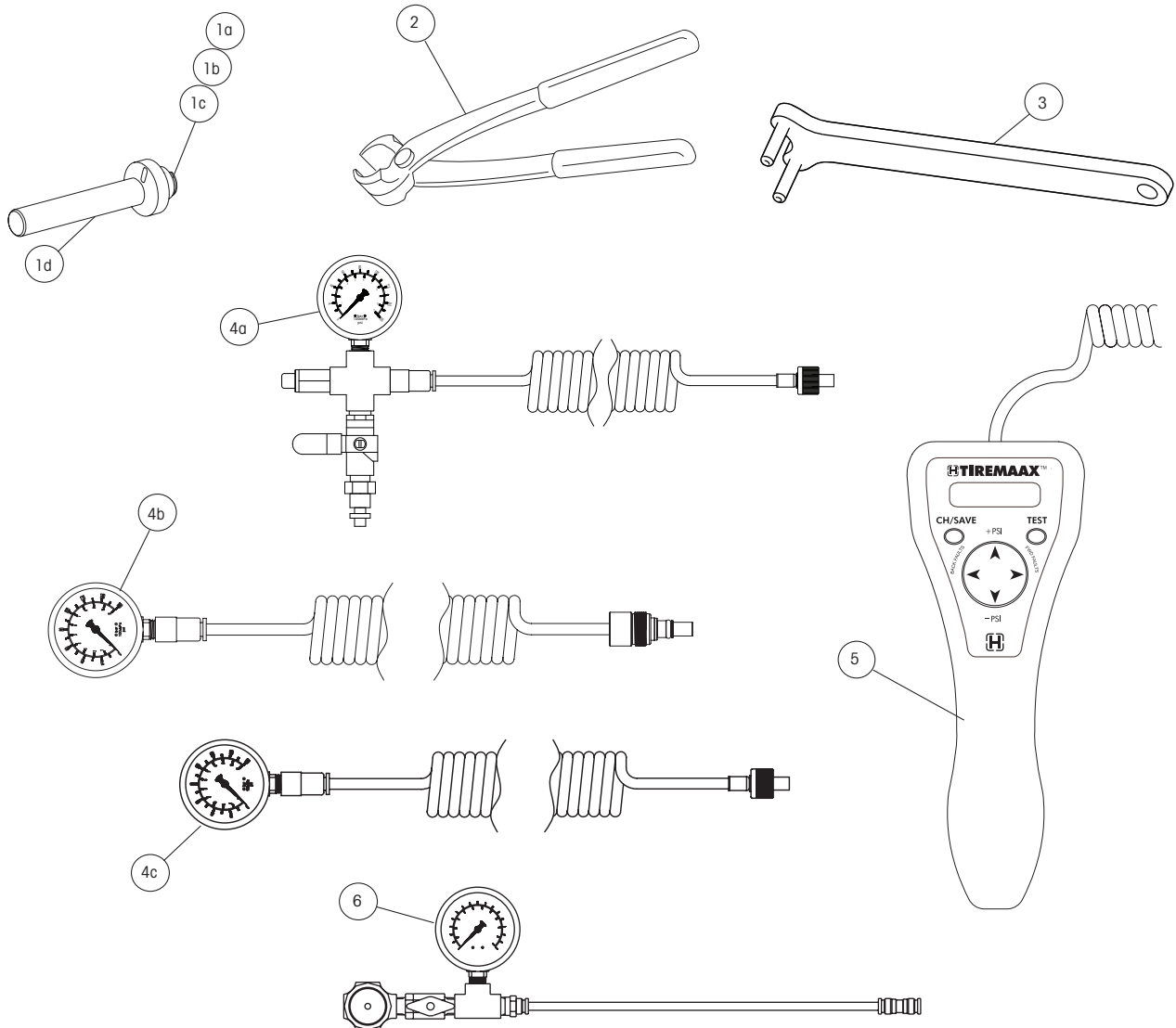


TIREMAAX® EC and CP



TIREMAAX® TOOLS

ITEM	DESCRIPTION	PART NO.	QTY.	NOTE
<b>1</b>	<b>PLUG DRIVER</b>			
1a	HN (1.75")	S-28146-1	1	
1b	HP (2.50")	S-28146-2	1	
1c	HP and HUS®/ P90 (2.75")	S-28146-3	1	
1d	Driver Handle	S-27399	1	
<b>2</b>	<b>CRIMPING TOOL</b>			
2a	Standard for Field Repair	S-27400	1	
2b	With Ratcheting for OEM Use (Not Shown)	S-29050	1	
<b>3</b>	<b>SPANNER WRENCH</b>	S-29430	1	
<b>4</b>	<b>TARGET GAUGE</b>			
4a	PRO Target Gauge	VS-32331	1	
4b	CP Integrated Target Gauge	VS-32344	1	TIREMAAX CP units after February 2012
4c	CP Target Gauge	VS-30468	1	TIREMAAX CP units prior to February 2012
<b>5</b>	<b>HAND PROGRAMMER</b>	VS-28321	1	15-foot; 4-way connector
<b>6</b>	<b>PRESSURE TESTER (FOR EC CONTROLLER)</b>	VS-28707	1	TIREMAAX EC version only



TOOLS

Call your trailer dealer or Hendrickson at **1-866-RIDEAIR (743-3247)** for additional information.



[www.hendrickson-intl.com](http://www.hendrickson-intl.com)

**TRAILER COMMERCIAL VEHICLE SYSTEMS**

2070 Industrial Place SE  
Canton, OH 44707-2641 USA  
866.RIDEAIR (743.3247)  
330.489.0045 • Fax 800.696.4416

**Hendrickson Canada**

250 Chrysler Drive, Unit #3  
Brampton, ON Canada L6S 6B6  
905.789.1030 • Fax 905.789.1033

**Hendrickson Mexicana**

Circuito El Marqués Sur #29  
Parque Industrial El Marqués  
Pob. El Colorado, Municipio El Marqués,  
Querétaro, México C.P. 76246  
+52 (442) 296.3600 • Fax +52 (442) 296.3601