

Aeris® Automatic Tire Inflation System

To: All Distributors of STEMCO Products

STEMCO is pleased to announce a simplified Aeris® Automatic Tire Inflation System. The electronics in the Aeris® Automatic Tire Inflation System have been removed in favor of a simpler flow meter. The product changes are contained within the control box.

Key Customer Benefits:

- Aeris® will still utilize our patented rotary sealing technology, with B10 life over 800,000 miles and B66 over 900,000 miles.
- Rather than electronics to detect airflow, Aeris® will now use a simpler flow meter.
- Patented high/low flow detection is still available on Aeris SmartSense®.

Original Configuration

Note: This configuration will still be used for Aeris SmartSense®



New Configuration

Aeris® with Mechanical Flow Meter



Aeris® Part Number Configurator

Aeris® Automatic Tire Inflation System with the flow meter will be offered as a new E-kit in the Part Configurator. The previous Single Port Controller option will be obsolete. The Part Configurator has also been updated to indicate the appropriate hose length.

Example:

A - Steel 5-Hole **B** - Steel 2-Hole / Aluminum

If you're purchasing an **A41-1237** as of Oct. 3, 2016 you will need to order an **E43-12** **7**.

E	X	X	H	H	S	P													
<p>[E] OPTIONS</p> <ul style="list-style-type: none"> A - Retrofit Kit for Non-Prepped Axles (all parts included) B - OEM Finish Kit for Basic Prepped Axle C - OEM Finish Kit for A Fully Dressed Axle D - Hendrickson Adapted Kit E - Aeris Mechanical 						<p>[P] ALERT PRESSURE</p> <ul style="list-style-type: none"> 0 - N/A 1 - 70 psi 2 - 75 psi 3 - 80 psi 4 - 85 psi 5 - 90 psi 6 - 95 psi 7 - 100 psi 8 - 105 psi 9 - 110 psi A - 115 psi C - 120 psi 													
<p>[X] WHEEL SIZE</p> <ul style="list-style-type: none"> 0 - N/A 1 - 17.5" and Smaller Wheels, Single Axle, Dual Tire Configuration 2 - 17.5" and Smaller Wheels, Dual Axle, Dual Tire Configuration 3 - 19.5" and 22.5" Wheels, Single Axle, Dual Tire Configuration 4 - 19.5" and 22.5" Wheels, Dual Axle, Dual Tire Configuration 5 - 19.5" and 22.5" Wheels, Single Axle, Single Tire Configuration 6 - 19.5" and 22.5" Wheels, Dual Axle, Single Tire Configuration 7 - 24.5" Wheels, Single Axle, Dual Tire Configuration 8 - 24.5" Wheels, Dual Axle, Dual Tire Configuration 9 - 17.5" and Smaller Wheels, Tri-Axle, Dual Tire Configuration A - 19.5" and 22.5" Wheels, Tri-Axle, Dual Tire Configuration C - 19.5" and 22.5" Wheels, Tri-Axle, Single Tire Configuration D - 24.5" Wheels, Tri-Axle, Dual Tire Configuration 																			
<p>[X] CONTROLLER</p> <ul style="list-style-type: none"> 0 - No Controller and No Lamp 1 - Single Port Controller with Amber Incandescent Driver Warning Lamp 2 - Smart Sensor Option (Upgrades Control Box & Driver Warning Lamp) 3 - Mechanical 			<p>[S] SPINDLE KIT / WHEEL TYPE</p> <table border="1"> <thead> <tr> <th>ABCD Kits</th> <th>E Kits</th> </tr> </thead> <tbody> <tr> <td>0 - N/A</td> <td>A - Steel 5-Hole</td> </tr> <tr> <td>3 - TN</td> <td>B - Steel 2-Hole/Aluminum</td> </tr> <tr> <td>6 - TP</td> <td></td> </tr> </tbody> </table>			ABCD Kits	E Kits	0 - N/A	A - Steel 5-Hole	3 - TN	B - Steel 2-Hole/Aluminum	6 - TP							
ABCD Kits	E Kits																		
0 - N/A	A - Steel 5-Hole																		
3 - TN	B - Steel 2-Hole/Aluminum																		
6 - TP																			
<p>[HH] SPINDLE ID</p> <table border="1"> <tbody> <tr> <td>00 - No Hubcap or RAU</td> <td>21 - P Spindle, Oil, Std. Hubcap Platform (340-4195)</td> </tr> <tr> <td>11 - N Spindle, Oil, Std. Hubcap Platform (340-4009)</td> <td>22 - P Spindle, Oil, Integrated Sentinel (356-4195)</td> </tr> <tr> <td>12 - N Spindle, Oil, Integrated Sentinel Platform (356-4009)</td> <td>23 - P Spindle, Grease, Std. Hubcap Platform (342-4195)</td> </tr> <tr> <td>13 - N Spindle, Grease, Std. Hubcap Platform (342-4009)</td> <td>24 - P Spindle, Grease, Integrated Sentinel Platform (358-4195)</td> </tr> <tr> <td>14 - N Spindle, Grease, Integrated Sentinel (358-4009)</td> <td>25 - HFA, P Spindle, Oil, Integrated Sentinel (356-4195)</td> </tr> <tr> <td>15 - HFA, N Spindle, Oil, Integrated Sentinel (356-4009)</td> <td>26 - HFA, P Spindle, Grease, Integrated Sentinel (358-4195)</td> </tr> <tr> <td>16 - HFA, N Spindle, Grease, Integrated Sentinel (358-4009)</td> <td></td> </tr> </tbody> </table>						00 - No Hubcap or RAU	21 - P Spindle, Oil, Std. Hubcap Platform (340-4195)	11 - N Spindle, Oil, Std. Hubcap Platform (340-4009)	22 - P Spindle, Oil, Integrated Sentinel (356-4195)	12 - N Spindle, Oil, Integrated Sentinel Platform (356-4009)	23 - P Spindle, Grease, Std. Hubcap Platform (342-4195)	13 - N Spindle, Grease, Std. Hubcap Platform (342-4009)	24 - P Spindle, Grease, Integrated Sentinel Platform (358-4195)	14 - N Spindle, Grease, Integrated Sentinel (358-4009)	25 - HFA, P Spindle, Oil, Integrated Sentinel (356-4195)	15 - HFA, N Spindle, Oil, Integrated Sentinel (356-4009)	26 - HFA, P Spindle, Grease, Integrated Sentinel (358-4195)	16 - HFA, N Spindle, Grease, Integrated Sentinel (358-4009)	
00 - No Hubcap or RAU	21 - P Spindle, Oil, Std. Hubcap Platform (340-4195)																		
11 - N Spindle, Oil, Std. Hubcap Platform (340-4009)	22 - P Spindle, Oil, Integrated Sentinel (356-4195)																		
12 - N Spindle, Oil, Integrated Sentinel Platform (356-4009)	23 - P Spindle, Grease, Std. Hubcap Platform (342-4195)																		
13 - N Spindle, Grease, Std. Hubcap Platform (342-4009)	24 - P Spindle, Grease, Integrated Sentinel Platform (358-4195)																		
14 - N Spindle, Grease, Integrated Sentinel (358-4009)	25 - HFA, P Spindle, Oil, Integrated Sentinel (356-4195)																		
15 - HFA, N Spindle, Oil, Integrated Sentinel (356-4009)	26 - HFA, P Spindle, Grease, Integrated Sentinel (358-4195)																		
16 - HFA, N Spindle, Grease, Integrated Sentinel (358-4009)																			
<i>N Spindle = 1.75" Inside Diameter</i>			<i>P Spindle = 2.75" Inside Diameter</i>																

STEMCO AERIS® MECHANICAL PART NUMBERS

STEMCO Obsoleted Part No.	Description	STEMCO Replacement Part No.	Description
A81-123Z	24.5" W DA DT Single Port NOI 356-4009	E83-12XZ	24.5" W DA DT Mech NOI 356-4009
AA1-123Z	19.5"/22.5" W TA DT Single Port NOI 356-4009	E43-12XZ	19.5"/22.5" W TA DT Mech NOI 356-4009
A61-226Z	19.5"/22.5" W DA ST Single Port POIS 356-4195	E63-22XZ	19.5"/22.5" W DA ST Mech POIS 356-4195
AA1-246Z	19.5"/22.5" W DA DT Single Port PGIS 358-4195	E43-24XZ	19.5"/22.5" W DA DT Mech PGIS 358-4195
A31-226Z	19.5"/22.5" W SA DT Single Port POIS 356-4195	E33-22XZ	19.5"/22.5" W SA DT Mech POIS 356-4195
AA1-226Z	19.5"/22.5" W TA DT Single Port POIS 356-4195	E43-22XZ	19.5"/22.5" W TA DT Mech POIS 356-4195
AA1-216Z	19.5"/22.5" W DA DT Single Port PO 340-4195	E43-21XZ	19.5"/22.5" W DA DT Mech PO 340-4195
AA1-113Z	19.5"/22.5" W TA DT Single Port NO 340-4009	E43-11XZ	19.5"/22.5" W TA DT Mech NO 340-4009
AA1-143Z	19.5"/22.5" W TA DT Single Port NGIS 358-4009	E43-14XZ	19.5"/22.5" W TA DT Mech NGIS 358-4009
A41-143Z	19.5"/22.5" W DA DT Single Port NGIS 358-4009	E43-14XZ	19.5"/22.5" W DA DT Mech NGIS 358-4009
A61-123Z	19.5"/22.5" W DA ST Single Port NOI 356-4009	E63-12XZ	19.5"/22.5" W DA ST Mech NOI 356-4009
A61-113Z	19.5"/22.5" W DA ST Single Port NO 340-4009	E63-11XZ	19.5"/22.5" W DA ST Mech NO 340-4009
A41-123Z	19.5"/22.5" W DA DT Single Port NOI 356-4009	E43-12XZ	19.5"/22.5" W DA DT Mech NOI 356-4009
A81-226Z	24.5" W DA DT Single Port POIS 356-4195	E83-22XZ	24.5" W DA DT Mech POIS 356-4195
A51-246Z	19.5"/22.5" W SA ST Single Port PGIS 358-4195	E53-24XZ	19.5"/22.5" W SA ST Mech PGIS 358-4195
A61-246Z	19.5"/22.5" W DA ST Single Port PGIS 358-4195	E63-24XZ	19.5"/22.5" W DA ST Mech PGIS 358-4195
AA1-226Z	19.5"/22.5" W DA DT Single Port POIS 356-4195	E43-22XZ	19.5"/22.5" W DA DT Mech POIS 356-4195
A31-246Z	19.5"/22.5" W SA DT Single Port PGIS 358-4195	E33-24XZ	19.5"/22.5" W SA DT Mech PGIS 358-4195
AA1-113Z	19.5"/22.5" W DA DT Single Port NO 340-4009	E43-11XZ	19.5"/22.5" W DA DT Mech NO 340-4009
A51-226Z	19.5"/22.5" W SA ST Single Port POIS 356-4195	E53-22XZ	19.5"/22.5" W SA ST Mech POIS 356-4195
AD1-123Z	24.5" W TA DT Single Port NOI 356-4009	ED3-12XZ	24.5" W TA DT Mech NOI 356-4009
A81-246Z	24.5" W DA DT Single Port PGIS 358-4195	E83-24XZ	24.5" W DA DT Mech PGIS 358-4195
A51-123Z	19.5"/22.5" W SA ST Single Port NOI 356-4009	E53-12XZ	19.5"/22.5" W SA ST Mech NOI 356-4009
A21-226Z	17.5" W DA DT Single Port POIS 356-4195	E23-22XZ	17.5" W DA DT Mech POIS 356-4195
A61-216Z	19.5"/22.5" W DA ST Single Port PO 340-4195	E63-21XZ	19.5"/22.5" W DA ST Mech PO 340-4195
AC1-246Z	19.5"/22.5" W TA ST Single Port PGIS 358-4195	EC3-24XZ	19.5"/22.5" W TA ST Mech PGIS 358-4195
A21-123Z	17.5" W DA DT Single Port NOI 356-4009	E23-12XZ	17.5" W DA DT Mech NOI 356-4009
A61-143Z	19.5"/22.5" W DA ST Single Port NGIS 358-4009	E63-14XZ	19.5"/22.5" W DA ST Mech NGIS 358-4009
A21-113Z	17.5" W DA DT Single Port NO 340-4009	E23-11XZ	17.5" W DA DT Mech NO 340-4009
AA1-216Z	19.5"/22.5" W TA DT Single Port PO 340-4195	E43-21XZ	19.5"/22.5" W TA DT Mech PO 340-4195
AC1-216Z	19.5"/22.5" W TA ST Single Port PO 340-4195	EC3-21XZ	19.5"/22.5" W TA ST Mech PO 340-4195
A31-113Z	19.5"/22.5" W SA DT Single Port NO 340-4009	E33-11XZ	19.5"/22.5" W SA DT Mech NO 340-4009
AA1-246Z	19.5"/22.5" W TA DT Single Port PGIS 358-4195	E43-24XZ	19.5"/22.5" W TA DT Mech PGIS 358-4195
AD1-143Z	24.5" W TA DT Single Port NGIS 358-4009	ED3-14XZ	24.5" W TA DT Mech NGIS 358-4009
A91-123Z	17.5" W TA DT Single Port NOI 356-4009	E93-12XZ	17.5" W TA DT Mech NOI 356-4009
A61-236Z	19.5"/22.5" W DA ST Single Port PG 342-4195	E63-23XZ	19.5"/22.5" W DA ST Mech PG 342-4195
AD1-226Z	24.5" W TA DT Single Port POIS 356-4195	ED3-22XZ	24.5" W TA DT Mech POIS 356-4195
A91-113Z	17.5" W TA DT Single Port NO 340-4009	E93-11XZ	17.5" W TA DT Mech NO 340-4009
A31-143Z	19.5"/22.5" W SA DT Single Port NGIS 358-4009	E33-14XZ	19.5"/22.5" W SA DT Mech NGIS 358-4009
A21-133Z	17.5" W DA DT Single Port NG 342-4009	E23-13XZ	17.5" W DA DT Mech NG 342-4009
AA1-133Z	19.5"/22.5" W DA DT Single Port NG 342-4009	E43-13XZ	19.5"/22.5" W DA DT Mech NG 342-4009
AD1-246Z	24.5" W TA DT Single Port PGIS 358-4195	ED3-24XZ	24.5" W TA DT Mech PGIS 358-4195
A31-123Z	19.5"/22.5" W SA DT Single Port NOI 356-4009	E33-12XZ	19.5"/22.5" W SA DT Mech NOI 356-4009
AC1-226Z	19.5"/22.5" W TA ST Single Port POIS 356-4195	EC3-22XZ	19.5"/22.5" W TA ST Mech POIS 356-4195
A21-246Z	17.5" W DA DT Single Port PGIS 358-4195	E23-24XZ	17.5" W DA DT Mech PGIS 358-4195
A51-143Z	19.5"/22.5" W SA ST Single Port NGIS 358-4009	E53-14XZ	19.5"/22.5" W SA ST Mech NGIS 358-4009
AA1-236Z	19.5"/22.5" W DA DT Single Port PG 342-4195	E43-23XZ	19.5"/22.5" W DA DT Mech PG 342-4195
A31-216Z	19.5"/22.5" W SA DT Single Port PO 340-4195	E33-21XZ	19.5"/22.5" W SA DT Mech PO 340-4195

PLEASE NOTE: A – Steel 5-Hole B – Steel 2-Hole / Aluminum

Aeris® Automatic Tire Inflation System Limited Warranty

This warranty applies to the Aeris® automatic tire inflation system (Aeris). STEMCO LP warrants to the Buyer that all components of its manufacture will be free from defects in material and workmanship. STEMCO further warrants that the installation of the Aeris system in accordance with STEMCO's written installation instructions will not compromise the structural integrity of the axle on which it is installed. This warranty applies to components installed on vehicles licensed for on highway, line haul use only, under normal use and service.

This warranty extends for a period of three years and unlimited mileage on trailers, from the date of manufacture, with the exception of air hoses and air tubing, which are warranted for two years from the date of manufacture. The air filter cartridge is covered for one year from the date of manufacture.

This warranty excludes normal wear and tear, as well as any failure, malfunction or damage to a component or axle as a result of improper installation or adjustment, accident, improper use, or improper or insufficient maintenance (including use with worn components such as spindles or bearings).

The Buyer's exclusive remedy under this warranty shall be the repair or replacement of STEMCO components and a labor amount determined by STEMCO for the removal of any affected parts. STEMCO reserves the right to require that all warranty claim components are available and/or returned for review and evaluation.

STEMCO shall not be liable for any claim, whether arising from breach of contract, negligence, strict liability or otherwise, in excess of the purchase price. In no event shall STEMCO be liable for special, incidental, indirect or consequential losses or damages of any kind.

This warranty is in lieu of all other warranties or conditions, expressed or implied, including any implied warranty of merchantability or fitness for particular purpose.

This is the only warranty offered by STEMCO and no STEMCO employee or representative is authorized to make any additional warranty terms on behalf of STEMCO.

STEMCO Warranty Office

STEMCO ■ 300 Industrial Blvd. – Longview, Texas 75602
(903) 758-9981 ■ 1-800-527-8492 ■ FAX 1-800-874-4297



PLATINUM PLUS 7
PERFORMANCE SYSTEM
TIRE INFLATION

Now get an industry best 7-year parts and labor warranty for your wheelend components.

Do this by installing the Platinum Performance Plus System™ and the Aeris® high performance tire inflation system on your new trailers. Contact your participating trailer dealer or STEMCO sales manager to find out more about this outstanding package!

7-Year Warranty

- Aeris® Automatic Tire Inflation System
- Guardian® HP or Discover® Seal
- Pro-Torq® Axle Fastener
- Sentinel® Hub Cap
- STEMCO® Bearings

Thank you for your continued support of STEMCO products.