

Installation Instructions

Air Actuated Fifth Wheel Cylinder Kit For The No Slack® Fifth Wheel (Kit-AA-6000L or R)

	Parts provided in this kit	QTY
①	No-Slack® AA cylinder	1
②	Bumper/Pull handle spring	2
③	Exhaust valve with a quick disconnect	1
④	3/8" Shoulder bolt	1
⑤	3/8" Washer	1
⑥	3/8" Hex locknut	1
⑦	1/2" Clevis pin	1
⑧	1/2" Washer	1
⑨	5/32" Cotter pin	1

Installation Instructions (read entire directions and look at all illustrations before beginning):

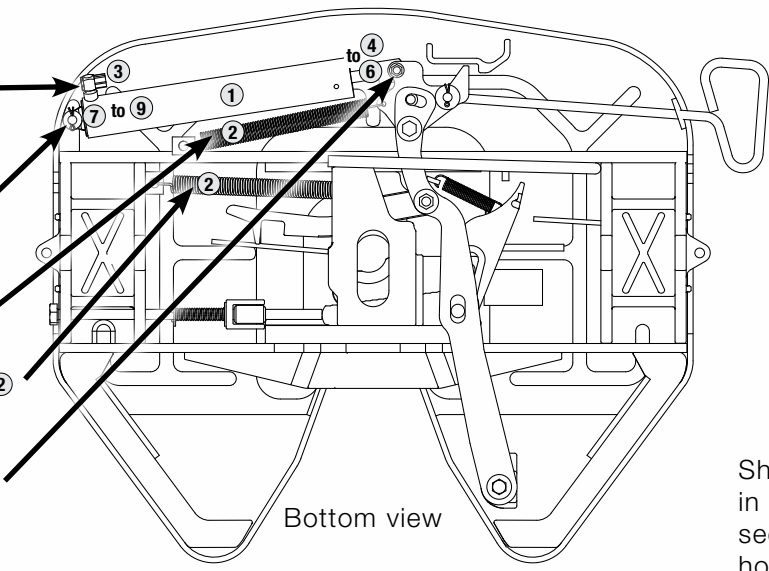
1. Remove fifth wheel from mounting brackets (Cleaning the fifth wheel before installing the kit is recommended).
2. Place the fifth wheel in the upside down position (Make sure that the fifth wheel is placed on a suitable work surface).
3. Remove the old bumper spring and pull handle spring from the fifth wheel (Please review Diagram 1 for more information).
4. Install the exhaust valve into the new cylinder. **IMPORTANT:** (Please review Diagram 1 for more information. Make sure valve is oriented as shown)
5. Install the new air cylinder **IMPORTANT:** (Orient cylinder, bolts, nuts, washers and pins as shown in Diagram 2).
6. Install the new bumper latch and pull handle springs.
7. Reinstall the fifth wheel back on the mounting brackets.
8. Insert the airline supply into the quick disconnect on the exhaust valve.
9. Open and close the fifth wheel using the air cylinder to ensure proper function.
10. Tilt the fifth wheel forward to ensure that the cylinder and/or air supply line does not interfere with another component. (Please see diagram 3)

Note: Valves and airline are available through Fontaine. Order a KIT-AIR-DASH for mounting the pull valve in the dash and plumbing the airline to the cylinder.



Diagram 1

- Exhaust valve③
- Clevis pin⑦, washer⑧ and cotter pin⑨. Positioning is critical see Diagram 2.
- Pull Handle Spring②
- Bumper Latch Spring②
- Shoulder bolt④, washer⑤ and locknut⑥ attaches to the secondary lock. Positioning is critical see Diagram 2.



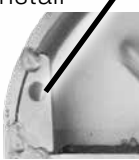
Shoulder bolt④ slides in from bottom of secondary lock bolt hole. Washer⑤ and locknut⑥ on top.

IMPORTANT: Hand-tighten shoulder bolt using a torque wrench (torque to 20-28 ft. lbs). Do not over torque!

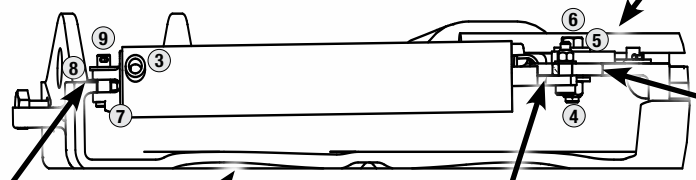
Diagram 2

Notice clevis pin⑦ slips in from bottom of cylinder bolt hole through the support clip. Washer⑧ is on top, then install cotter pin⑨.

Support clip on fifth wheel



Slip in cylinder so fifth wheel support clip is between the two cylinder head bolt holes. Extra support on bottom.



Top plate

Notice cylinder rod step is under secondary lock bolt hole.

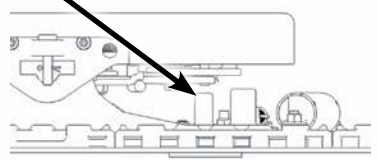
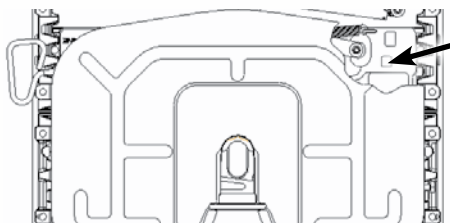


Secondary lock



IMPORTANT: If applicable, remove indicated front rocker limit block to prevent air cylinder damage.

Diagram 3



Parts provided in this kit		Qty.
①	No-Slack® AA cylinder	1
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③	Exhaust valve with a quick disconnect	1
④	3/8" Shoulder bolt	1
⑤	3/8" Washer	1
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⑦	1/2" Clevis pin	1
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