



Hale Products, Inc. Service Bulletins

Bulletin#: SB-104

Revision#: A

Date: 10/15/2008

Product Type Covered: Hale Products

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Class 1

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Product Covered:

VALVE ACTUATOR UPGRADE

Summary Statement:

The EH5 valve actuator is an upgrade to the preceding EH4 Valve Actuator. The Actuator is a "bolt-in" replacement however there are wiring and dimensional differences.

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Date: 10/15/2008

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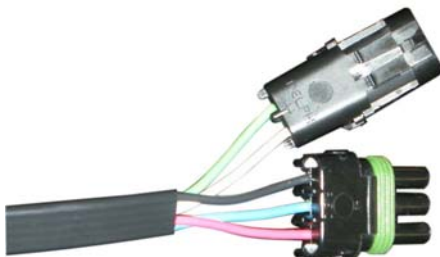
BODY OF THE BULLETIN

Hale SVS valves now feature an improved valve actuator that has approximately 10% more torque without drawing additional current.

The new actuator is mechanically interchangeable with the old actuator, meaning that it can be installed as an assembly onto an existing installed valve without modification to the actuator or valve. Perform the upgrade by simply removing the quick disconnect pins that mount the actuator and then installing the new assembly in place of the old actuator.

It should be noted that there are some differences with the new actuator. There are slight dimensional differences that can be seen in the diagram on the last page. Also, the new actuator requires a separate 12V power supply using 14 gauge wiring. This line should be protected with a 10 amp (min) fuse of the automotive, non-fast blow type. Hale wiring harness part number 513-0270-04-0 can be used for this connection. The standard harness that runs to the panel is still used without modification.

The Hale valve actuator kit part number 531-0251-50-0 contains all the necessary hardware to install the improved valve actuator on an existing Hale 800 series valve.



Panel Wiring Harness Used
With Old & New Valve Actuators



Additional 12V Wiring Harness Required For
New Actuator, Can Connect to Optional
513-0270-04-0 Harness

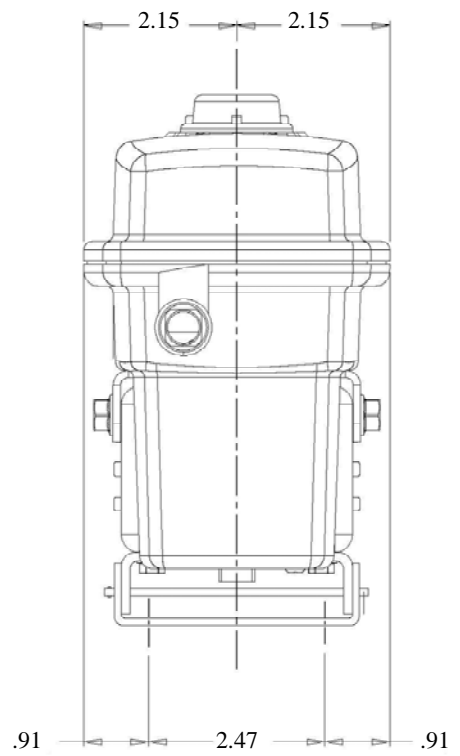
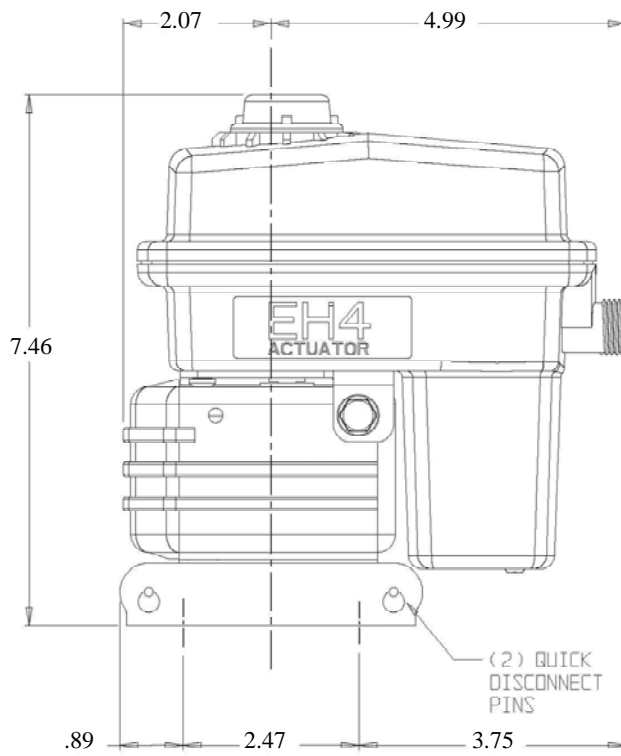
The new actuator assembly includes a new valve stem adapter. This adapter engages the actuator's drive tang to the valve stem. The new and old adapters can easily be visually differentiated. Where the old adapter had a slotted drive, the new adapter uses a square drive. Both adapters can be seen in the picture below.



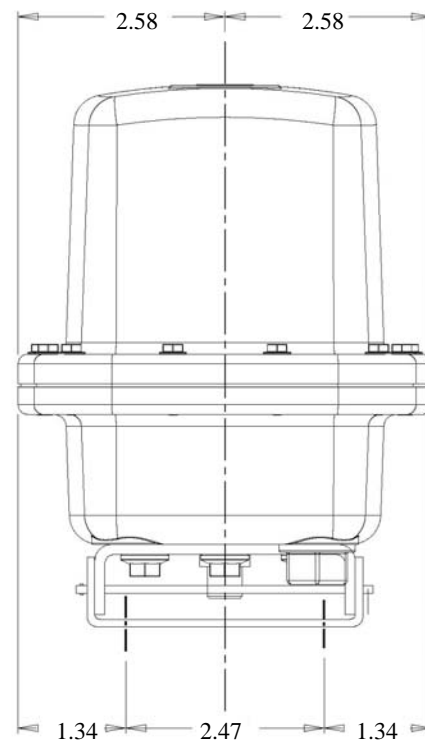
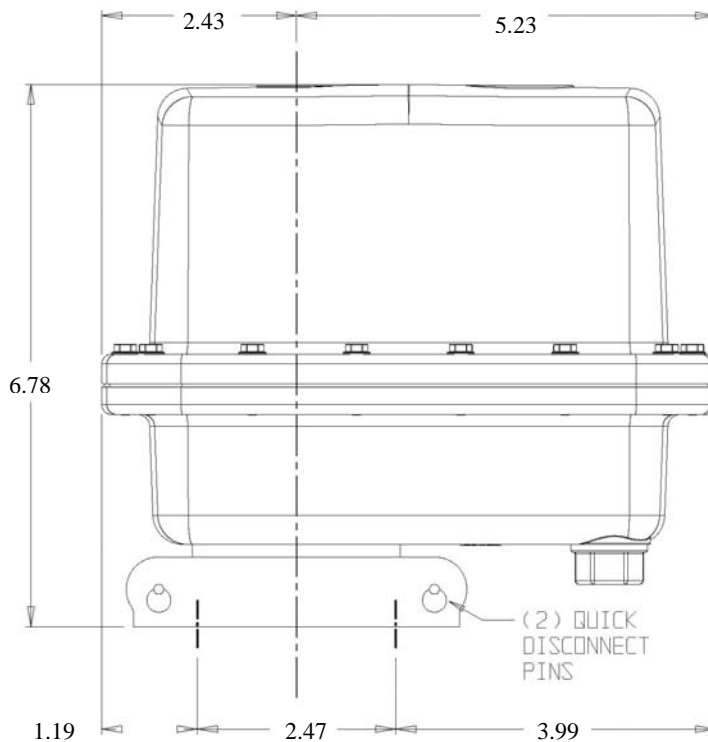
**Old Drive Adapter with
Slotted Drive**



**New Drive Adapter
with Square Drive**



Old Valve Actuator



New Valve Actuator

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