

GAC® ADC100 for Stanadyne “D” Series Fuel Injection Pump

Stanadyne Corp. has recently transitioned to a newly designed top cover and gasket, the main pump housing has not changed. The original O-ring style gasket (GAC part number GA102) must be used in place of the metal formed gasket for all ADC100 actuator installations. To insure our customers have the tools they need, beginning November 1st, every 100 series supplied from GAC will include the O-ring in the product box to ease installation beginning with serial number A45 and beyond.



ADC100



**Cover seal, GAC part number GA102, must be used in all ADC100 actuator installations.
Replace Stanadyne metal formed gasket with GA102**



GA102



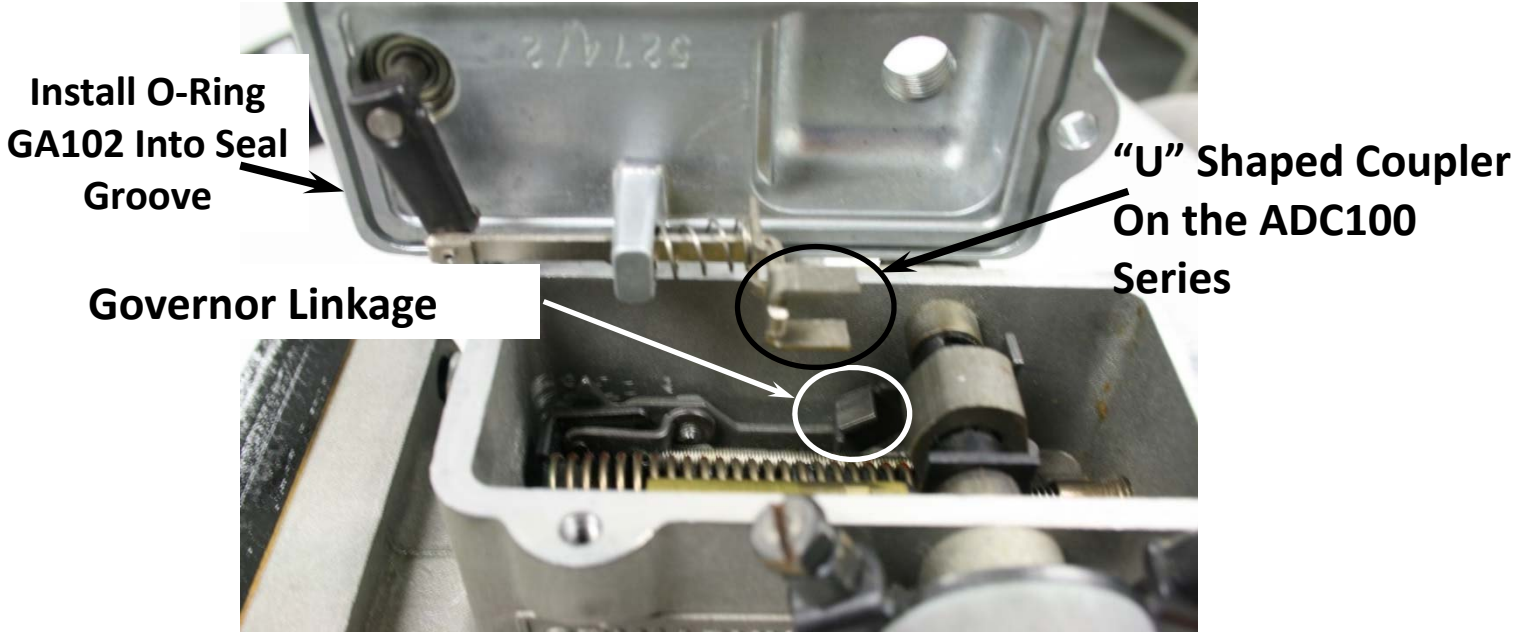
Stanadyne metal formed gasket

Preparing the fuel injection pump

1. Removing the Governor Cover:
2. Disconnect the pump's electric shutoff solenoid wire from its connection point on the pump governor cover. This wire is no longer necessary and can be eliminated at its source.
3. Remove the fuel return line from the fuel return line connector.
4. Remove the three governor cover screws. They will be replaced by mounting screws provided with the ADC100 Series actuator.
5. Remove the governor cover assembly with care to insure that no dirt or debris is allowed to enter the fuel injection pump.
6. Remove the return fuel fitting (housing pressure regulator assembly) from the governor cover.

Installing the Actuator

1. Install the return fuel fitting into the ADC100 actuator.
2. Install actuator seal, GAC part number GA102, into the O-ring groove. Discard the metal formed gasket used with the original governor cover assembly. **It is not to be used with an ADC100 Series actuator.**
3. Position the ADC100 actuator on the fuel injection pump with the tall end of the actuator slightly upward and positioned as closely to front or the governor compartment as possible.
4. Slide the ADC100 actuator toward the rear of the injection pump until the actuators "U" shaped coupler engages the pump's governor linkage hook.
5. Securely fasten the ADC100 actuator to the fuel injection pump using the (3) screws provided with the actuator.



Caution Improper engagement of the actuator to the governor linkage hook could cause an engine over-speed condition.



Slide the ADC100 actuator toward the rear of the injection pump to align three mounting screw holes.

Prior to starting the engine, the pump's shut-off lever and mechanical governor must be set, to insure compatibility with the electronic governor.

1. Secure the shut-off lever in the "Run" position, if the Stanadyne pump is equipped with one
2. Lock the throttle lever in the "Full Fuel" position. This setting should be 10 – 12% above the desired governed speed.
3. Adjust the pump's mechanical governor Droop by turning the droop adjusting screw counterclockwise (CCW) until it stops. Then turn it clockwise (CW) two turns. This adjustment will provide compatibility between the mechanical governor and the electron governor.
4. Purge the air from the injection pump by removing the Allen head plug located on top of the actuator.