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Instruction Sheet

Part Number APG-28999M, Powerglide Manual Valve Body

Contents:

- Manual Valve Body Assembly
- Modulator Plug
- Instruction Sheet

Note: Before installation, read instructions carefully. If you do not understand any part of these instructions please call our tech line at the number listed above.

Safety Warning!!

If you are unfamiliar with transmission repair and modifications, do not install this part. Instead, have it installed by a competent transmission technician who is familiar with such devices.

Failure to follow these directions and follow all safety procedures can result in serious injury or death!

Note:

This valve body is intended for competition use only. For this reason the pressure regulator spring has been replaced with one that will raise the transmission's line pressure to approximately 220 psi. If you are planning to use this valve body in a street driven vehicle please contact TSR Racing Products for the appropriate pressure regulator spring for your application.

This valve body operates only in full manual mode; there are no automatic functions. The governor is no longer required; you do need to leave the governor support in place, however.

The shift pattern remains forward: PRN21.

Front Pump Only Cases (1967-1973)

If your case was originally a front pump only model (1967-1973) there are no case modifications that need to be made. Front pump only cases can be identified by the presence of a plastic vent on the passenger's side of the case above the cooler line fittings.

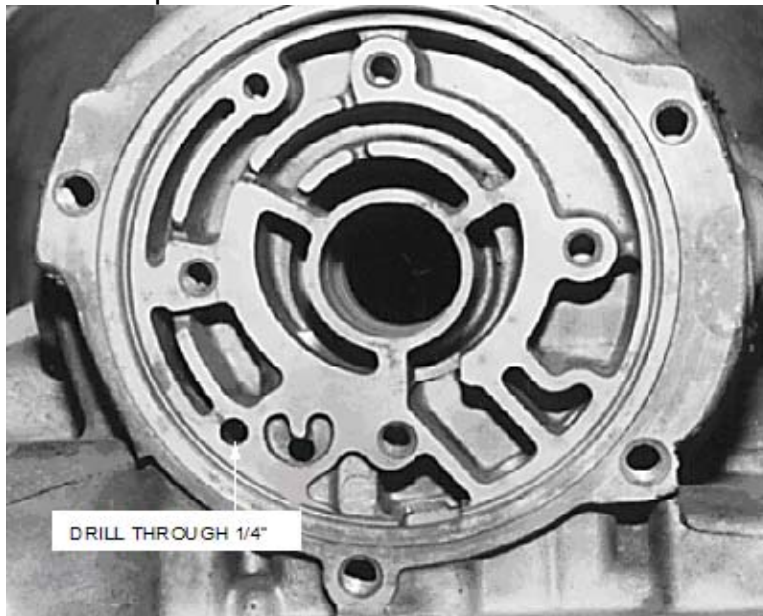
Rear Pump Cases (1962-1966)

If your case was originally a rear pump model (1962-1966) you have several options for installation. Rear pump cases can be identified by the presence of a metal vent on the passenger's side of the case above the cooler line fittings.

- The valve body can be installed without case modifications if you retain the original rear pump housing, gears and wear plate.
- The OEM rear pump assembly can be replaced with a billet governor support (Part #APG-K28808) or a late model (1967-1973) OEM governor support (Part #APG-28859) Case modifications must be made to install either the Billet Governor Support or the OEM late governor support on a rear pump case. Refer to the instructions below.

Case modifications required for use of APG-K28808 or APG-28859 on rear pump (1962-1966) case.

1. The case must be completely stripped to perform these modifications.
2. Referring to the figure below, drill a ¼" hole through the case in the area indicated.
3. Lightly chamfer the hole drilled in Step 2 and blow out any chips with compressed air.
4. Install APG-K28808 or APG-28859 as per instructions supplied with those components.



Installation of Valve Body

- Install your original manual valve, detent roller and low supply tube on the valve body.
- Place the valve body in the proper position on the case.
- Align the low servo tube with the hole in the case.
- Align the pin on the shift mechanism (“rooster comb”) between the lands on the manual valve and lower the valve body to the case.
- Install the detent plate and start the remaining bolts
- Tighten bolts to 15 ft-lb in a criss-cross manner.
- Install the supplied modulator plug and gasket in the case.