



## HP3210 – TH350 FULL MANUAL VALVE BODY

This Valve body has been designed in a competition application only.

If you need any kind of technical help or assistance, please feel free to call us at any time. Follow these directions carefully. If you do not understand something, please call and ask. Ninety five percent of all of our warranty problems are due to mistakes made during installation.

Enclosed in you package should be the following parts. Please check to make sure that you have everything that you need.

- (1) TH350 valve body and separator plate
- (2) Valve body gaskets
- (3) Check balls - 4
- (4) Modified Governor

If you are installing this product into a racing transmission that is all ready finished, we recommend that you secure the services of an experienced transmission re-builder in you local area. If you are installing this product yourself and you are not experienced in working with TH 350's, please get some type of transmission manual to help you.

1. Remove the stock valve body, separator plate, and gaskets from transmission.  
Make sure that all the gasket material is removed from the transmission case.
2. Locate the new separator plate, gaskets, and 4 check balls. Place the four check balls onto the plate using as little Vaseline or assembly lube as possible to hold the check balls in place.  
(See figure 1) Install the new case gasket, separator plate, and valve body gasket onto transmission using the support plate to hold the check balls and separator plate in place. Hand tighten bolts on support plate. Do not completely tighten until valve body is in place!
3. Install new valve body making sure to engage manual valve "S" link into the shift linkage.
4. Remove the governor cover near rear of trans and install the modified governor supplied with the new valvebody.
5. Tighten all valve body and support plate bolts to 12 ft.
6. Install filter and pan.
7. Shift Pattern will be P, R, 3, 2, and 1. Full manual.

Note: Leave modulator installed, attach vacuum line if possible unless this is a full race application. NO NOT plug the vacuum port of the modulator.



IF THIS SHIFT KIT IS BEING INSTALLED WITH TRANSMISSION IS CAR, PLACE CHECK BALLS AT LOCATIONS SHOWN ON SEPERATOR PLATE AND GASKET.

Figure 1