



Figure 1 *15 13 11 7.1 6 5.3 grams*

Step 3. Place the inner weight inside the heavy outer weight. Place the spring from the kit on the raised spring perches. Install one of the supplied E-rings on each of the supplied axles. Install the weight and spring assembly onto the governor. Place the cover on the governor. Insert axle through the cover, governor body and the weights. Install a second E-ring on each of the axles. Make sure the governor valve moves freely in it's bore and the governor weights move freely and properly (see figure 1).

Step 4. Install the governor assembly into the transmission. A new gasket is supplied for the TH-400 and a new governor cover O-ring is supplied for the TH-350 and 700-R4. Tighten the TH-400 governor cover bolts to approximately 15 ft.-lbs. Install clip over cover on TH-350 and 700-R4. Make sure clip is well seated to prevent leaks.

Step 5. After all parts are installed, start engine and allow vehicle to warm up. Check the transmission fluid level. Add Trick Shift, Dexron or another quality ATF until the level is between the 'add' and 'full' marks.

Step 6. Lower vehicle and test drive. Check shift points against earlier records. If shift points are too early, use a lighter weight and/or spring. If shift points are too late, use a heavier weight and/or spring. Refer to the chart at the end of these instructions and repeat the procedure in steps 1 through 5 until desired shift points are achieved.

Do not become alarmed if the shift points are not ideal on the first or second try. Achieving the shift points you feel most comfortable with is, by nature of the kit, a trial and error process. An extra set of 3/32" E-clips for the axles is provided in the kit, as these clips are very small and are easily lost. Be sure the E-clips are fully seated in the axle grooves.

WEIGHTS AND SPRING CHART

	1	2	3	4	5	6	Light	
WEIGHTS								
Heavy								
SPRINGS								
Heavy	Purple	Blue	Green	Yellow	Orange	Red	Light	
Di	.026	.025	.021	.022	.022	.022	.022	
Turns	6	7	7	7	8 1/2	10 3/4	10 3/4	
Weights (6)		7	7	7	8 1/2	10 3/4	10 3/4	
E-clips (8)	.685	.710	.700	.725	.695			
TH-350/700-R4 governor cover O-ring								Axles (2) length
TH-400 governor cover gasket								.570 ←

TOOL LIST

- 1 pr. diagonal cutters
- 1 small punch
- 1 screwdriver
- 1 1/2" open end wrench (TH-400 only)
- 1 drain pan
- 1 funnel
- 2 qts Trick Shift or other ATF

TROUBLESHOOTING GUIDE

MALFUNCTION	CAUSE
First gear only or very late shifts	Improperly installed governor or sticking valve. Excessively light weights & springs.
High gear too soon	Excessively heavy weights, stuck governor valve, outer weights not installed correctly.
Leaking governor cover	Gasket misaligned or bolts over tightened. (Replace gasket.)