



Installation Instructions

Governor Recalibration Kit

Part Number 20248

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INTRODUCTION

The B&M Governor Recalibration Kit will allow you to raise or lower, relative to vehicle speed, the points where your transmission shifts. This is accomplished by a system of combining a variety of weights and springs in your governor, modifying the vehicle speed signal your transmission's shift valves receive. B&M has found that this kit, when properly installed, can greatly improve the peak performance and enhance the driveability of your vehicle. The B&M Governor Recalibration Kit will not substantially change the quality, or crispness, of the shift. This is done by recalibrating the valve body of the transmission. B&M offers a complete line of shift recalibration kits for these transmissions, available at your B&M dealer.

PREPARATION

Before doing any modification to your governor, we recommend documenting the shift points of your car. Full throttle shift points are the most critical and most easily repeated. The stock full throttle shift points should be recorded in relation to the engine rpm and/or vehicle speed at which these shifts occur. This should be done after each modification so as to compare how much your shift points have changed and help determine the direction and quantity of the next change. Before beginning installation, make sure the vehicle is firmly supported on a hoist, wheel ramps or jack stands. Leave at least 1-2 feet beneath the vehicle to allow yourself room to work. Automatic transmissions operate between 150 to 250 degrees. Allow transmission to cool before beginning installation. Also allow extra time for the catalytic converter to cool.

INSTALLATION

Step 1. Governor removal. A) TH-400 - Remove the four 1/2" bolts holding the governor cover to the transmission. Remove governor assembly by pulling out and turning 1/8 turn counterclockwise. Take the governor assembly to your workbench and proceed to Step 2.

B) TH-350 and 700-R4. Remove the long clip holding the governor cover to the case and remove governor cover. Remove the governor assembly to your workbench and proceed to step 2.

Step 2. With a pair of diagonal cutters, remove the heads of the nails. Remove and discard nails from the governor assembly. Choosing from the chart at the end of these instructions, pick a weight and spring combination which will raise or lower your shift points as desired. The procedure we recommend starts by using a weight and spring combination similar to your stock setup, but at least one step in the direction, heavier or lighter, desired. Heavier weights produce earlier shifts, lighter weights produce later shifts. Stiffer springs tend to produce earlier closely stacked shifts, weaker springs tend to raise and spread apart shift points.

As a general rule, the weight selection tends to bring the shift points into the general desired range. The springs then adjust the shift points more precisely to match your vehicle's performance to your driving preference. **Always make changes one step at a time, first to the weights and then to the springs.** Note the amount of change in your full throttle shift points, after each weight and/or spring change. Determine from this test which direction the next change, if any, should take. Repeat until the desired shift points are attained.

Bear in mind that this installation may require a few tries before the optimum vehicle shift points are attained. If the shift points do not fall into place on the first couple of tries, do not be alarmed. There are hundreds of combinations possible using the supplied weights and springs, therefore your optimum combination exists and is a matter of finding it through trial and error.

It is possible to raise your shift points even higher by using a single inner weight and spring. There should always be both the heavy outer weights installed, but the use of one inner weight and spring will permit more versatility and higher shift points.