



Technical Service Information

THM 4L60 (700-R4) SECOND GEAR STARTS

COMPLAINT: Second gear starts or a clunk when shifting from second back to first on a coast down to a stop.

CAUSE: The cause may be a slight cross leak in the case or valve body. If the valve body is suspect, exchange and try another. In most instances, changing case is more work than the problem deserves.

CORRECTION: A modification can be made that will compensate for minor cross leaks in the governor circuits.

If all else fails try this:

- (1) Remove governor assembly
- (2) Remove governor gear
- (3) Using a 3/16 drill bit, drill a shallow hole on the end of the plastic gear that fits into the governor. About an 1/8 of an inch deep.
- (4) Insert a 200 governor spring into the hole and reinstall the gear so that the spring will be pushing on the governor valve.
- (5) Reinstall the governor and test drive.

You should notice the minimum throttle 1-2 shift is a little later, but the clunk is gone. By varying the weight of the spring, we can lower or raise the minimum 1-2 shift speed without adversely affecting the other shift points, and eliminating the coast down clunk.

