

# GM 9T50 gearbox start-up energy storage



## Overview

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The accumulator stores energy for almost imperceptible engine restarts, while GM-designed transmission software calibrated for those restarts further contributes to smooth takeoffs.

## GM 9T50 gearbox start-up energy storage

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=> Verify that the transmission downshifts within 2 seconds of the throttle movement => Repeat steps 2 to 4 at higher speed to achieve 4th gear and then step in to command a 4th gear to 3rd gear downshift.

[General Motors 9T50 Nine Speed FWD: Part One](#)

Externally, nine speed models that are equipped with the start-stop option differ from the six speeds, which have that feature, by the way the



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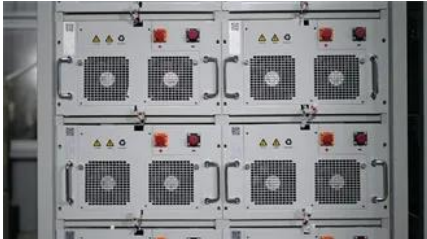


### GM 9T50 Transmission

Browse all 9T50 transmission parts here or use the filters below to find just what you are looking for.

### 9T50 Problems and Diagnosing

The 9T50 family can be equipped with either a shift-by-wire or shift-by-cable system. GM's shiftby- wire system is quite a bit more complicated than



[9T50 Transmission parts, repair guidelines, problems, manuals](#)

According to GM engineers, the 9T50 transmission allows striking a balance between high dynamic parameters and fuel economy. The size of this transmission is the same as the size of its 6-speed



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[GM 9T50 9-Speed Automatic Transmission Info.](#)

The new transmission also supports stop/start technology that can help save fuel by allowing the engine to shut down in certain stop-and-go driving conditions.

[GM 9-Speed Transmission Problems: Failures That](#)

This shows up as a bind when pulling away from a stop, or a no-move condition on cold starts that clears up after a restart. Most early "dead



[GM RPO Codes Below is a complete listing of the General](#)

5Q9 : MOLDING 915, B/S, CUSTOM (SEO) 5R2 : SEAT RR, INTERMEDIATE, DELETION 5R3 : CHASSIS PACKAGE, POWER TRAIN ECONOMY 5R4 : CHASSIS PACKAGE, 110 IN W/B LOW

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**GM 9T50 transmission**

Ford and GM announced a joint venture to share automatic transmission designs in April 2013: GM would adopt a 10-speed longitudinal transmission primarily designed by Ford, and in

exchange, Ford would adopt the GM 9TXX 9-speed transverse transmission. Ford declined to use the GM 9TXX, however, as the promised improvement in fuel consumption was less than expected, and removed one gear, resulting in the Ford 8F family.

### VIN Decoder

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### New 9T50 9-Speed Automatic Transmission

The combination of an on-axis design and a one-way clutch, which eliminates the need for an additional clutch pack, helps reduce overall package dimensions, making the compact 9T50 transmission

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