

4L60E/4L65E/4L70E

2005 Updates

A major update is planned for the 4L60E/65E applications for the 2006 model year. The introduction of an input speed sensor (ISS) on “some models” will be fully implemented for the 2006 model year. As with other changes in the past, some of the changes will be pulled forward into the mid 2005 model year applications in preparation for the roll out of the completed ISS system. In addition a new model transmission will be introduced in 2006 using the same technology, the 4L70E. The addition of the ISS system will make input speed calculations a much simpler process while leading to more accurate diagnosis of transmission related concerns.

Several hardware changes will need to occur in order to implement the ISS system. Many of the changes will occur in stages. Some of the changes are required to make room for the new input speed sensor while others are required to make the ISS function. The updates include:

- Shortening of the Reverse Boost PR valve line-up
- Casting changes within the pump assemble to relocate the S3 bore boss
- Casting changes relocating the TCC release bore
- Update/change Stator support sleeve passages
- Update/change the turbine shaft. The shaft will receive reluctor teeth for sensor operation. In addition the location of the seal rings on the turbine shaft will be repositioned
- Adding an Input speed sensor and updating/changing the vehicle and transmission wiring harness (On applications not using an ISS the sensor hole will be filled with a plug)
- Enable shift control features in the software that were not fully utilized in previous applications
- 2 DTC's were added for the ISS system P0716 and P0717

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2005 Updates (continued)

Shortening of the Reverse Boost PR valve line-up

Casting changes within the pump assemble to relocate the S-3 bore boss

**Revised S-3 bore
with updated PR boost,
reverse boost valves to make
room for ISS**



**Note: PR valve train can no
longer be serviced without
Removing the pump**

Updated valve and
single spring

Spring pocket to
reduce build issues



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2005 Updates (continued)

Update/change Stator Support Sleeve Passages

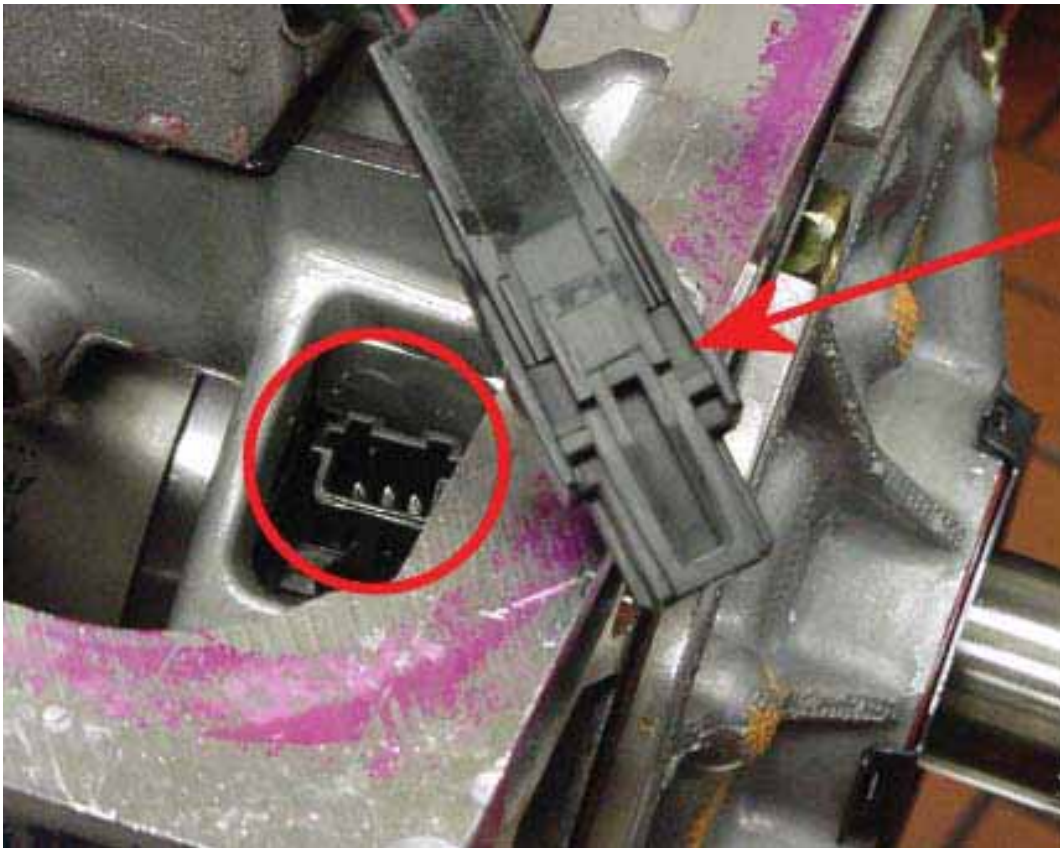


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2005 Updates (continued)

Input Speed Sensor

The addition of an Input Speed Sensor created the updated/changes in the transmission wiring harness. In applications not using an ISS, the sensor hole will be filled with a plug.



ISS connector

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2005 Updates (continued)

Turbine Shaft

Update/change to the turbine shaft. The shaft will receive reluctor teeth for sensor operation. In addition the location of the seal rings on the turbine shaft will be repositioned

***15 teeth added, seal
rings relocated
2.5mm***

