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# Allison Transmission Engine Speed Sensor Error

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How to Check Transmission Speed Sensors | It Still Runs

Allison Transmission Home

Allison Transmission Engine Speed Sensor

Semi Truck, Bus, RV, Service Vehicle Cruise Control ...

CODE 22 XX SPEED SENSOR/CIRCUITRY FAULT (Figure 55) - TM-9 ...

Symptoms of a Bad or Failing Transmission Speed Sensor ...

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Symptoms of a bad or failing transmission speed sensor ...

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P0717 - Turbine shaft speed (TSS) sensor -no signal ...

P0725 Engine Speed Input Circuit Malfunction

P0726 Engine Speed Input Circuit Range Performance

*Speedometer Erratic/Transmission Shifts Hard/3000 MH Allison Transmission Product Spotlight: Allison Transmission Speed Sensors*

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Allison Transmission Engine Speed Sensor Allison hd3560 trans. 22-14 code is up (engine speed sensor) checked wiring, new plug, tone wires at tcu blue plug, all - Answered by a verified

Technician Allison..trans..(engine speed sensor) checked wiring, new ...Erratic input speed sensor signal — If the TCM receives an erratic input speed sensor signal during engagement, the TCM will keep the transmission in neutral. Check input speed sensor signal; repair as needed. Erratic output speed sensor signal — If the output speed sensor signal is erratic or over 300 RPM during engagement, the TCM will keep the transmission in neutral. Check the output speed sensor signal; repair as needed.  
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shaft speed (OSS) sensor. If either of these two sensors falls out of alignment or experiences electrical issues, it impacts the operation of the entire transmission. Symptoms of a Bad or Failing Transmission Speed Sensor ... The presence of a stored code P0725 means that the powertrain control module (PCM) has detected a circuit malfunction with the engine speed sensor input signal. The engine speed input sensor is sometimes called the transmission input speed sensor and the input speed sensor. This type of code may be caused by a mechanical problem or an electrical problem. The engine speed input speed sensor is usually inserted through the transmission case, near the front of the input shaft. P0725 Engine Speed Input Circuit Malfunction 1) Limp Mode (Allison 1000 Model) The Allison transmission 1000 model has a feature called "limp mode", in which the transmission locks itself into third gear. This mode is triggered by anything that could cause severe damage to the transmission, including severe overheating or towing a very heavy load. 3 Common Allison Transmission Problems | Copeland ... Shandong Pengxiang Auto Selects

Allison Transmission's 4800 Off Road Series™ for its Wide Body Mining Dump Trucks. Thanks to their superior performance and unrivalled reliability in any rough terrain, Allison's 4800 Off Road Series™ (ORS) fully automatic transmissions have once again been chosen by Shandong Pengxiang Auto for their latest wide body mining dump (WBMD) truck. Allison Transmission Home A vehicle speed sensor is a permanent magnet generator attached to the transmission under the vehicle. The sensor monitors several different engine and transmission functions and sends the information to the on-board computer. It is triggered by the turning of the transmission shaft, sending a signal which increases or decreases in frequency with the vehicle's speed. This information is then relayed to the speedometer. How to Check Transmission Speed Sensors | It Still Runs Diagnosing a faulty transmission speed sensor is pretty straightforward, as is replacing it, but to diagnose a problem fully, you'll need to be comfortable using a multimeter to check voltage. How To Test Transmission Speed Sensor | The Drive A speed sensor will not pass the

reasonableness test if there is no signal at all from that sensor when a signal should be present. NOTE: If turbine speed is below 150 rpm when output speed is below 100 rpm and engine speed is above 400rpm, Neutral Very Low (NVL) is commanded when N (Neutral) is the range selected. CODE 22 XX SPEED SENSOR/CIRCUITRY FAULT (Figure 55) - TM-9 ... Compare engine RPM, usually the crankshaft position sensor (CKP) with TSS, and you should be able to see the signal to increase and decrease with engine rpm. If you see any problems with the signal, such as dropouts or changes in voltage, recheck the wiring harness before condemning the sensor. P0717 - Turbine shaft speed (TSS) sensor - no signal ... The engine speed input sensor is also called the transmission input speed sensor or simply the input speed sensor. This type of code may be caused by either a mechanical problem or an electrical problem. Inserted through the transmission case, near the front of the input shaft, the engine speed input sensor is usually fitted with a rubber O-ring on the sensor housing so that it makes a seal with the transmission case. Caution must

be used when removing the sensor from the housing as hot ...P0726 Engine Speed Input Circuit Range PerformanceThe transmission speed sensor, also known as a vehicle speed sensor, calculates the gear ratio of the transmission for the engine control unit (ECU). The input shaft speed sensor and the output shaft speed sensor work together to send data to the vehicle's ECU so the transmission engages the appropriate gear for its best operation. Transmission Speed Sensor | O'Reilly Auto PartsThe Allison TPS sends a (roughly) 1 - 4 volt (idle to full throttle) signal to the transmission that in conjunction with rpm helps with shifting. Air or cable throttle will get the vehicle drivable and moving but, you need the TPS to get the Allison transmission shifting to Allison specs. Semi Truck, Bus, RV, Service Vehicle Cruise Control ...TRANSMISSION DOES NOT SHIFT PROPERLY (ROUGH SHIFTS, SHIFTS OCCURRING AT TOO LOW OR TOO HIGH SPEED) Engine idle speed too fast (neutral to range shift) Adjust engine idle speed (refer to Vehicle Service Manual) Faulty throttle sensor/circuit Refer to Mechanic's Tips MT3190EN and/or Troubleshooting

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Check input speed sensor signal; repair as needed. Erratic output speed sensor signal — If the output speed sensor signal is erratic or over 300 RPM during engagement, the TCM will keep the transmission in neutral. Check the output speed sensor signal; repair as needed. Semi Truck, Bus, RV, Service Vehicle Cruise Control ...

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### **Symptoms of a Bad or Failing Transmission Speed Sensor ...**

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### **Symptoms of a bad or failing transmission speed sensor ...**

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Allison Duramax Transmission Speed Sensor Set The Vehicle Speed Sensor (VSS) is located on the tail section of the transmission on 2WD vehicles, except Allison transmission. On 4WD vehicles the sensor it is located on the transfer case, except Allison transmission. On Allison transmission the sensor is located on the transmission assembly.

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A vehicle speed sensor is a permanent magnet generator attached to the transmission under the vehicle. The sensor monitors several different engine and transmission functions and sends the information to the on-board computer. It is triggered by the turning of the transmission shaft, sending a signal which increases or decreases in frequency with the vehicle's speed. This information is then relayed to the speedometer.

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Compare engine RPM, usually the crankshaft position sensor (CKP) with TSS, and you should be able to see the signal to

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### **P0725 Engine Speed Input Circuit Malfunction**

A speed sensor will not pass the reasonableness test if there is no signal at all from that sensor when a signal should be present. NOTE: If turbine speed is below 150 rpm when output speed is below 100 rpm and engine speed is above 400rpm, Neutral Very Low (NVL) is commanded when N (Neutral) is the range selected.

P0726 Engine Speed Input Circuit Range Performance

Diagnosing a faulty transmission speed sensor is pretty straightforward, as is

replacing it, but to diagnose a problem fully, you'll need to be comfortable using a multimeter to check voltage.

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The service procedures recommended by Allison Transmission (or the vehicle manufacturer) and described in this handbook are effective methods for ...

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