



Technical Service Information

FORD 5R110W

SETTING VARIOUS TRANSMISSION & ENGINE CODES

COMPLAINT: A 2005 Ford F350 with a gasoline engine and the 5R110W Transmission comes in with the fourth clutch burnt. The transmission was removed but no root cause was found for the fourth clutch failure. However, further diagnosis revealed a malfunctioning Mass Airflow Sensor which was replaced. It was thought that the faulty MAF Sensor was the cause of the fourth clutch failure. Three weeks later the truck returned to the shop with the same fourth clutch failure as previously found. However on this occasion various transmission solenoid and engine sensor codes were set.

CAUSE: When the transmission was removed this time it was noticed that the wiring harness was close to the exhaust manifold, refer to figure 1. After further inspection, the wire harness was found to be burned through by coming in contact with the hot exhaust manifold, refer to figure 2 which resulted in a number of wires being damaged, refer to figure 3. The plastic harness holder the attaches to the filler tube with black electrical tape was dried out which allowed the harness to come in contact with the hot exhaust manifold. This problem probably started to develop after the first transmission removal procedure and proceeded to allow the wire harness to come close to the hot exhaust manifold.

CORRECTION: The wire harness was repaired and secured out of harms way. All codes were cleared after transmission installation and the truck was given a thorough road test. The transmission operated normally with no driveability issues.

NOTE: *This complaint and cause occurred in other trucks but only seems to be a problem for gasoline equipped vehicles.*

Many Thanks to Don Stone of AA Quality Transmission, Stuart, Fl.

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Figure 1



Figure 2

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Figure 3