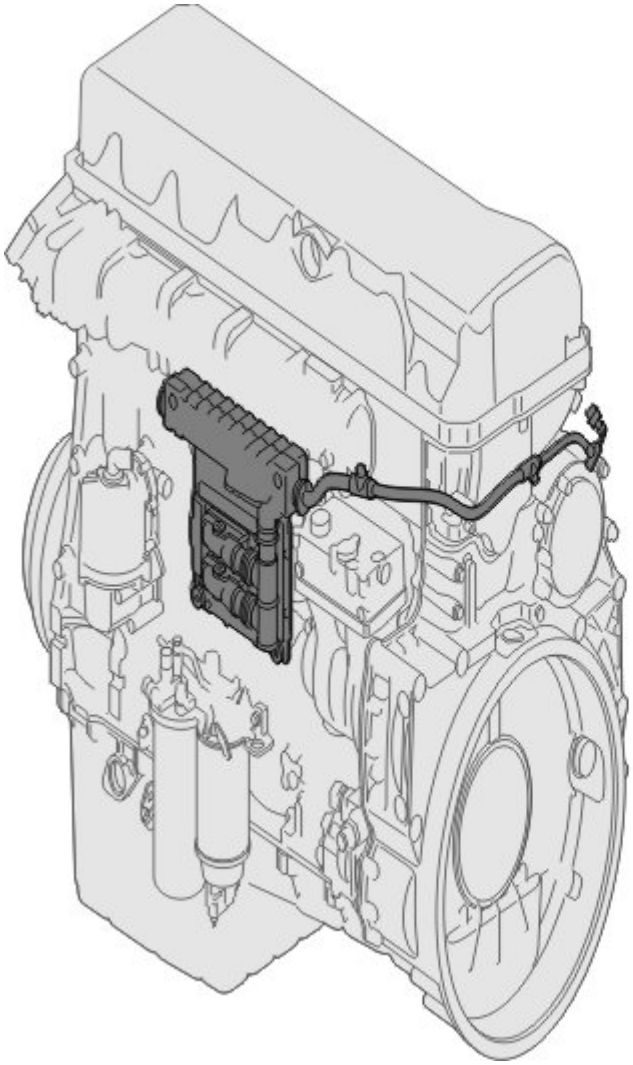
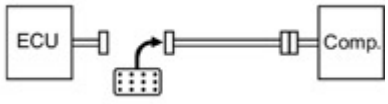
# P0016 - Crankshaft Position - Camshaft Position Correlation



| Fault type | Condition for Fault | Observable Symptoms | Probable cause |
|---|---|---|---|
| P0016<br>FTB76 | • The cam shaft sensor signal is dislocated compared to the fly wheel sensor signal. | • High fuel consumption. | • Engine transmission. |

## Resistance measurement




| Measuring | Key position | Measurement points | | Reference value | Measured value | Other (Special tool No.) |
|---|---|---|---|---|---|---|
| | | Breakout box | Wiring diagram | | | |
| Open Circuit | Off | 37– 38 | A14.EA:37-A14.EA:38 | R = 750 Ω-1000 Ω | | 9998699, 9990014, 88890074 |

| Measuring | Key position | Measurement points | | Reference value | Measured value | Other (Special tool No.) |
|---|---|---|---|---|---|---|
| | | Breakout box | Wiring diagram | | | |
| Component resistance | Off | 1– 2 | B04:1-B04:2 | R = 750 Ω - 1000 Ω | | 9990216, 88890074 |
| Short Circuit in signal wire | Off | 45– 46 | A14.EA:45-A14.EA:46 | R = 750 Ω - 1000 Ω | | 9998699, 9990014, 88890074 |
| Component resistance | Off | 1– 2 | B05:1-B05:2 | R = 750 Ω- 1000 Ω | | 9990216, 88890074 |

## Visual check:

- Check the Tooth wheel for any damage or loose fitting.
- Check that the camshaft is correctly adjusted.
- Check the camshaft intermediate gear for any damage or loose fitting.
- Check the sensors for faulty connection.
- Check that the sensors is free from external damage.
- Check the distance between the flywheel sensor and the flywheel.
- Check the distance between the camshaft sensor and a camshaft tooth wheel pin.