

Diagnosis – Complaint Related Diagnostic Chart

Complaint/Problem	Possible cause	Test step/Remedy ¹⁾
Engine starts poorly	No TN-signal (rpm signal)	23 ⇒ 13.0
Engine starts poorly and accelerates poorly	Left or right hot wire MAF sensor (B2/3 or B2/4) defective Left or right ECT sensor (B11/9 or B11/10) defective	23 ⇒ 6.0 – 7.0 23 ⇒ 10.0 – 11.0
Engine does not start	No voltage supply from base module (N16/1) FP relay module (K27/1 or K27/2) defective Left or right ECT sensor (B11/9 or B11/10) defective Injector control and injection timing	23 ⇒ 1.0 – 5.0 23 ⇒ 9.0 34 ⇒ 2.0 23 ⇒ 10.0 – 11.0 23 ⇒ 32.0
Engine runs uneven at CTP (idle)	Left or right EGR valve defective Injector control and injection timing	23 ⇒ 23.0 23 ⇒ 32.0
Engine has insufficient engine output	Left or right camshaft timing adjustment defective	23 ⇒ 27.0 – 28.0

¹⁾ Observe Preparation for Test, see 22.