

TO INDEX

IGNITION SYSTEM  
(EJ-DE)

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MIG00001-00000

EFI ECU

While referring to the EF section, check that the output from the EFI ECU is normal, using the SST (09842-97201-000).

MIG00002-00000

CHARACTERISTICS OF ECU OUTPUT

The following table shows the standard voltage or resistance at ECU.

| Item                | Terminal                | Condition                                               | Standard voltage or resistance | Remedies                          |
|---------------------|-------------------------|---------------------------------------------------------|--------------------------------|-----------------------------------|
| Power supply        | ⑧ — ⑮<br>⑩ — ⑮          | At all times                                            | Battery voltage                | Check stop fuse in the relay box. |
|                     | ⑨ — ⑮<br>⑩ — ⑮          | Ignition switch is turned on.                           | Battery voltage                | Check main relay in the fuse box. |
| Ground group        | ⑭ — ⑮<br>⑮ — ⑮<br>⑮ — ⑮ | At all times                                            | 1 Ω or less                    | Check earth of wiring harness.    |
| Cam position sensor | ③⑥ — ⑥⑦                 | While the engine is being cranked by the starter motor. | 0.2 - 0.6 V (AC range)         | Check cam position sensor.        |
| Ignition coil drive | ④⑥ — ⑥⑦<br>⑥⑦ — ⑮       | Ignition switch is turned on.                           | 3 V or less                    | Check ignition coil.              |

NOTE:

- If the measured voltage or resistance will not conform to the specified value, check the wiring harness.
- If the trouble has not been solved by repairing the wire harness or parts, replace the EFI ECU.

MIG00003-00000

IGNITION TIMING

1. Connect the test terminal and the ground terminal with a jumper wire of the diagnosis connector.
2. Connect a timing light to the timing light connection wire.

NOTE:

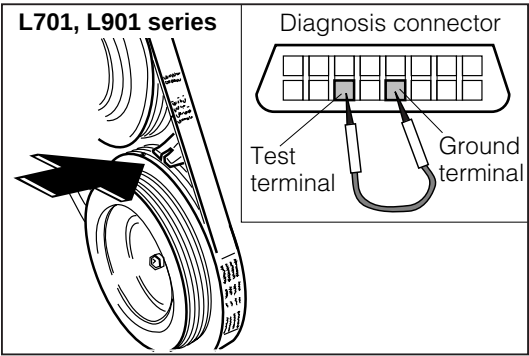
- Use a timing light which is capable of detecting the primary voltage.

3. Warm up the engine.
4. Check to see if the ignition timing mark of the crankshaft pulley is aligned with the indicator of the timing belt cover, using the timing light.

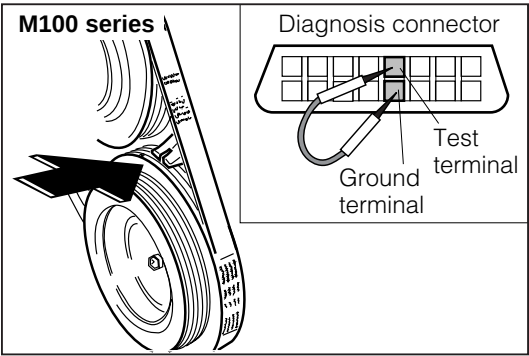
Ignition Timing: B.T.D.C. 5 ± 2° / Idle speed

NOTE:

- No ignition timing adjustment is required.



MIG00004-00001



MIG00000-00002