

IGNITION TIMING INSPECTION**NOTE:**

- Ignition timing is not adjustable.
- Ignition timing verification requires WDS or equivalent.

1. Verify that the ignition timing (WDS: SPARKADV PID) is within the specification using WDS or equivalent.

Ignition timing**Approx. BTDC 8°**

2. Verify that ignition timing advances when the engine speed increases gradually.
 - If there malfunction, refer to "ENGINE SYMPTOM TROUBLESHOOTING". (See [ENGINE SYMPTOM TROUBLESHOOTING \[LF, L3\]](#)).

IDLE SPEED INSPECTION**NOTE:**

- Idle speed is not adjustable.
- Idle speed verification requires WDS or equivalent.

1. Verify that the idle speed (WDS: RPM PID) is within the specification using WDS or equivalent.

Idle speed [MTX (Neutral position)]**No load: 600-700 RPM****Electrical loads*² ON (38-48 A): 650-750 RPM****Electrical loads*² ON (more than 48 A): 700-800 RPM****A/C ON and refrigerant pressure switch (middle) OFF: 700-800 RPM****A/C ON and refrigerant pressure switch (middle) ON: 700-800 RPM Idle speed [ATX (P or N position)]****No load: 650-750 RPM****Electrical loads*² ON (38-48 A): 650-750 RPM****Electrical loads*² ON (more than 48 A): 700-800 RPM****A/C ON and refrigerant pressure switch (middle) OFF: 650-750 RPM**

A/C ON and refrigerant pressure switch (middle) ON: 670-770 RPM

*¹ : Excludes temporary idle speed drop just after the electrical loads are turned on.

*² : generator generating current value.

- If there malfunction, refer to "ENGINE SYMPTOM TROUBLESHOOTING". (See **ENGINE SYMPTOM TROUBLESHOOTING [LF, L3]**).