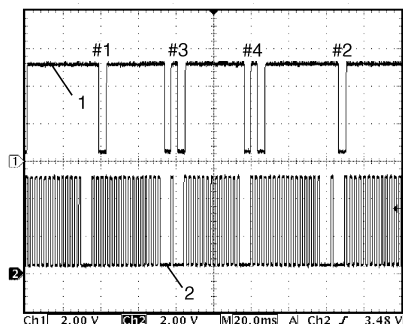


**15. Reference waveform No.15**

CMP sensor signal at engine idling

Measurement terminal	CH1: C41-11 to C41-1 CH2: C41-23 to C41-1
Oscilloscope setting	CH1: 2 V/DIV, CH2: 2 V/DIV TIME: 20 ms/DIV
Measurement condition	<ul style="list-style-type: none"> <li>After warmed up to normal operating temperature</li> <li>Engine at specified idle speed</li> </ul>



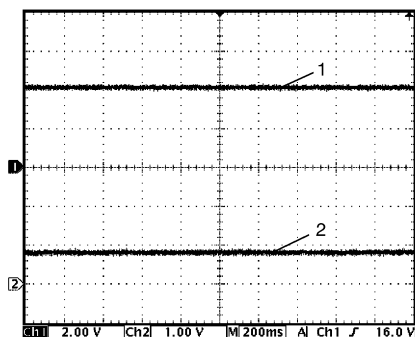
I3RH0A110041

- |   |
|---|
| 1. Cylinder reference signal (CMP reference signal) |
| 2. CKP signal                                       |

**16. Reference waveform No.16**

Manifold absolute pressure sensor signal at ignition switch turned ON

Measurement terminal	CH1: C41-26 to C41-10 CH2: C41-16 to C41-10
Oscilloscope setting	CH1: 2 V/DIV, CH2: 1 V/DIV TIME: 200 ms/DIV
Measurement condition	<ul style="list-style-type: none"> <li>After warmed up to normal operating temperature</li> <li>Ignition switch turned ON</li> </ul>



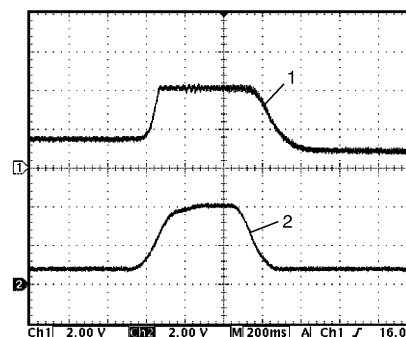
I3RH0A110042

- |   |
|---|
| 1. Manifold absolute pressure sensor signal |
| 2. Throttle position sensor signal          |

**17. Reference waveform No.17**

Manifold absolute pressure sensor signal at engine racing

Measurement terminal	CH1: C41-26 to C41-10 CH2: C41-16 to C41-10
Oscilloscope setting	CH1: 2 V/DIV, CH2: 2 V/DIV TIME: 200 ms/DIV
Measurement condition	<ul style="list-style-type: none"> <li>After warmed up to normal operating temperature</li> <li>Engine racing</li> </ul>



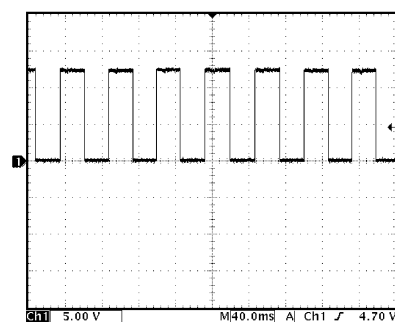
I3RH0A110043

- |   |
|---|
| 1. Manifold absolute pressure sensor signal |
| 2. Throttle position sensor signal          |

**18. Reference waveform No.18**

VSS signal at 30 km/h (19 mil/h)

Measurement terminal	CH1: G04-24 to C41-1
Oscilloscope setting	CH1: 5 V/DIV TIME: 40 ms/DIV
Measurement condition	<ul style="list-style-type: none"> <li>After warmed up to normal operating temperature</li> <li>Drive vehicle at 30 km/h (19 mil/h)</li> </ul>



I3RH0A110044