

MPI IGNITION SYSTEM REQUIRED ITEMS**MPI-8/16/32 RI 12-05****REQUIRED ITEMS:**

A) MPI IGNITION MODULE

| MODEL NO. | DESCRIPTION |
|-----------|--|
| MPI-32 | Ignition Module, 32 Outputs, Without Display |
| MPI-32D | Ignition Module, 32 Outputs, With Display |
| MPI-16 | Ignition Module, 16 Outputs, Without Display |
| MPI-16D | Ignition Module, 16 Outputs, With Display |
| MPI-8 | Ignition Module, 8 Outputs, Without display |
| MPI-8D | Ignition Module, 8 Outputs, With Display |

NOTE: The MPI-32 output module requires (2) 16 cylinder output harnesses.

NOTE: For best results use the MPI-32 for single unit installation firing 2 coils simultaneously.

B) REMOTE DISPLAY UNIT

| MODEL NO. | DESCRIPTION |
|-----------|---|
| 200011 | Display Module |
| 200309-40 | Cable, remote mount display module, 40' |

NOTE: Use one display module and cable for each ignition module.

C) OUTPUT HARNESS, IGNITION MODULE TO JUNCTION BOX OR IGNITION COILS

| MODEL NO. | DESCRIPTION |
|-----------|--|
| 200501-4 | Harness, Shielded, 16 Output, 4' Conduit, 19' Leads, 90° Connector |
| 200501-7 | Harness, Shielded, 16 Output, 7' Conduit, 22' Leads, 90° Connector |
| 200503-7 | Harness, Shielded, 8 Output, 7' Conduit, 22' Leads, 90° Connector |
| 200505-30 | Harness, Unshielded, 16 Outputs, 30' Leads, 90° Connector |
| 200505-50 | Harness, Unshielded, 16 Outputs, 50' Leads, 90° Connector |
| 200509-30 | Harness, Unshielded, 8 Outputs, 30' Leads, 90° Connector |
| 200509-50 | Harness, Unshielded, 8 Outputs, 50' Leads, 90° Connector |

D) MAGNETIC PICKUP & CABLE ASSEMBLIES

| MODEL NO. | DESCRIPTION |
|-----------|--|
| 200203 | Magnetic Pickup, 5/8"-18 thread x 4.25" threaded body length |
| 200210 | Magnetic Pickup, 5/8"-18 thread x 6.00" threaded body length |
| 200521-4 | Cable Assembly, Shielded, 4' Conduit, 90° Connector |
| 200521-8 | Cable Assembly, Shielded, 8' Conduit, 90° Connector |
| 200523-20 | Cable Assembly, Unshielded, 20' Cable, 90° Connector |
| 200523-40 | Cable Assembly, Unshielded, 40' Cable, 90° Connector |

E) HALL EFFECT SENSOR & CABLE ASSEMBLIES

| MODEL NO. | DESCRIPTION |
|-----------|---|
| 200201-A | Hall-Effect Sensor, dual output, 5/8-18 x 1.8" threaded body |
| 200211 | Hall-Effect Sensor, dual output, 5/8-18 x 6.00" threaded body |
| 200541-20 | Cable Assembly, Shielded, 20' Cable, 90° Connector |
| 200541-40 | Cable Assembly, Shielded, 40' Cable, 90° Connector |

F) IGNITION COILS - one per spark plug

| MODEL NO. | DESCRIPTION |
|------------|-------------------------------|
| IT-230 | Unshielded Coil, 230V |
| IT-230FM | Flange Mount Coil, 230V |
| ITX-230RM | Shielded Coil, 230V, CSA |
| ITX-150-12 | Integral Coil, 150V, 12", CSA |
| ITX-150-6 | Integral Coil, 150V, 6", CSA |
| IT-250 | Unshielded Coil, 250V |
| IT-250FM | Flange Mount Coil, 250V |
| ITX-250-12 | Integral coil, 250V, CSA |

REQUIRED ITEMS:

G) RELUCTOR & MAGNET PINS

| MODEL NO. | DESCRIPTION |
|-----------|---|
| 200231 | Magnet Pin, Hall-effect sensor, north pole magnet, marked "R" |
| 200232 | Magnet Pin, Hall-effect sensor, south pole magnet, marked "T" |
| 200233 | Reluctor Pin, magnetic pickup, ferrous material, marked "F" |

H) OPTIONAL ITEMS

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| POWER SUPPLY - Belt driven alternator, CSA - Div. 2 |
| DETONATION SENSING KIT - Contact the factory for specific application. |
| AIR/FUEL RATIO CONTROL SYSTEM - Contact the factory for specific application. |
| MURPHY DIGITAL INSTRUMENTS - Pressure/vacuum switch/gauge, temperature switch/gauge, temperature scanner, level switch, tachometer, hourmeter, overspeed switch, vibration switch, annunciator, engine panel, automation system, engine/compressor controller, fuel valve, throttle controller, electric gauges, generator set controller, etc. |
| CONTROL PANEL - Contact Control Systems Services in Rosenberg, TX for application assistance. |

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