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* See heated accessories notice.

** Tach output is not available on vehicles with a duramax engine.

† The PK3 indicator will remain ON during the remote start sequence and will only turn OFF upon takeover.

§ Tach output is not available on these vehicles if they are equipped with a V8 engine.
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<td>Relay</td>
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</tbody>
</table>

* See heated accessories notice.

** Tach output is not available on vehicles with a Duramax engine.

† The PK3 indicator will remain ON during the remote start sequence and will only turn OFF upon takeover.

§ Tach output is not available on these vehicles if they are equipped with a V8 engine.
HEATED ACCESSORIES NOTICE

NOTE

I  View compatibility chart for applicable vehicles.

II In all supported vehicle, heated accessories will automatically be activated 15 seconds after the remote starter is engaged and this only if the engine temperature is below 0 C (32 F).

1 To disable this feature, connect [purple/yellow] wire to ground.

2 To activate applicable heated accessories upon remote start regardless of engine temperature, connect [purple/black] wire to ground.
STANDARD 12 VOLT, GROUND AND IGNITION SWITCH CONNECTIONS ARE STILL REQUIRED FROM THE REMOTE STARTER.

REMOTE STARTER

DATA MODE

REQUIRED - IGNITION (+) OUTPUT

REQUIRED

TACH (AC) INPUT

REQUIRED

DOOR/TRUNK STATUS (-) INPUT

REQUIRED

RIGHT SLIDING DOOR (-) OUTPUT

REQUIRED

UNLOCK/DISARM (-) INPUT - BLUE/BLACK

REQUIRED

UNLOCK (-) OUTPUT

REQUIRED

GROUND (-)

REQUIRED

GROUND WHEN RUNNING (-) OUTPUT

REQUIRED

TRUNK (-) INPUT - RED/WHITE

REQUIRED

TRUNK (-) OUTPUT

REQUIRED

12V (+)

REQUIRED

GROUND (-)

REQUIRED

GROUND WHEN RUNNING (-) OUTPUT

REQUIRED

LEFT SLIDING DOOR (-) INPUT - PURPLE/YELLOW

REQUIRED

LEFT SLIDING DOOR (-) OUTPUT

REQUIRED

DOOR/TRUNK STATUS (-) OUTPUT - GREEN

REQUIRED

TACH (AC) OUTPUT - PURPLE/WHITE

REQUIRED

DATA MODE

NOT REQUIRED IN DATA MODE (1-WAY)

NOT REQUIRED IN DATA MODE (2-WAY)

GWR (-) INPUT - BLUE/WHITE

NOT REQUIRED

GROUND - BLACK

NOT REQUIRED

12V (+) - RED

NOT REQUIRED

GROUND WHEN RUNNING (-) OUTPUT

NOT REQUIRED

PINK/BLACK (NC)

PINK - IGNITION (+) INPUT

NOT REQUIRED

WHITE/BLACK (NC)

WHITE/RED (NC)

WHITE (NC)

NOT REQUIRED

WHITE/BLACK (NC)

WHITE/RED (NC)

WHITE (NC)

NOT REQUIRED

YELLOW/BLACK (NC)

YELLOW/RED (NC)

YELLOW (NC)

NOT REQUIRED

BROWN/RED (NC)

BROWN/YELLOW (NC)

ORANGE/BROWN (NC)

NOT REQUIRED

ORANGE/YELLOW (NC)

ORANGE/WHITE (NC)

ORANGE/BLACK (NC)

NOT REQUIRED

ORANGE/YELLOW (NC)

ORANGE/WHITE (NC)

ORANGE/BLACK (NC)

NOT REQUIRED

TACH (AC) INPUT

NOT REQUIRED

TACH (AC) INPUT

NOT REQUIRED

DOOR/TRUNK STATUS (-) INPUT

NOT REQUIRED

DOOR/TRUNK STATUS (-) OUTPUT

NOT REQUIRED

DATA MODE

USE DATA MODE OR HARDWIRE MODE

DATA MODE
STANDARD 12 VOLT, GROUND AND IGNITION SWITCH CONNECTIONS ARE STILL REQUIRED FROM THE REMOTE STARTER.

LEGEND
- - NOT REQUIRED IN DATA MODE (1-WAY)
- - NOT REQUIRED IN DATA MODE (2-WAY)

USE DATA MODE OR HARDWIRE MODE

PASS KEY III THEFT DETERRENT MODULE, BEHIND DRIVER SIDE DASH, RIGHT OF STEERING COLUMN

REMOTE STARTER

DATA MODE

- TACH (AC) OUTPUT - PURPLE/WHITE
- LOCK (-) OUTPUT
- UNLOCK (-) OUTPUT
- TRUNK (-) OUTPUT
- DISARM ONLY (-) OUTPUT
- GROUND WHEN RUNNING (-) OUTPUT
- GWR (-) INPUT - BLUE/WHITE
- GROUND - BLACK
- 12V (+) - RED
- GROUND WHEN RUNNING (-) OUTPUT
- TACH (AC) INPUT
- TRUNK (-) INPUT - RED/WHITE
- DISARM ONLY (-) INPUT - BROWN
- LEFT SLIDING DOOR (-) INPUT - PURPLE/YELLOW
- RIGHT SLIDING DOOR (-) INPUT - PURPLE/BLACK
- INCI WHITE
- INCI BLACK/WHITE
- INCI GREEN
- PGK3

REQUIRED:
- IGNITION (+) OUTPUT
- TRUNK STATUS (-) INPUT
- DOOR STATUS (-) INPUT
- IGNITION (+) INPUT
- TRUNK (-) OUTPUT
- DISARM ONLY (-) OUTPUT
- 12V (+)
- GROUND (-)
- GROUND WHEN RUNNING (-) OUTPUT
- TACH (AC) INPUT
- TRUNK (-) OUTPUT
- DISARM ONLY (-) OUTPUT
- 12V (+)
- GROUND (-)
- GROUND WHEN RUNNING (-) OUTPUT
- TACH (AC) INPUT

OPTIONAL:
- YELLOW/BLACK - DOOR STATUS (-) OUTPUT
- YELLOW/BLACK - DOOR STATUS (-) OUTPUT
- YELLOW/RED - TRUNK STATUS (-) OUTPUT
- YELLOW/RED - TRUNK STATUS (-) OUTPUT
- YELLOW (NC)
- BROWN/YELLOW (NC)
- ORANGE/BLACK (NC)
- ORANGE/WHITE (NC)
- ORANGE - DATA (J1850)
- PINK/BLACK (NC)
- WHITE (NC)
- WHITE/BLACK - GROUND
- WHITE/RED (NC)
- WHITE - STARTER ENABLE (-) OUTPUT
- WHITE/RED (NC)
- WHITE - STARTER ENABLE (-) OUTPUT
- YELLOW/RED - DOOR STATUS (-) OUTPUT
- YELLOW/RED - DOOR STATUS (-) OUTPUT
- BROWN/RED (NC)
- BROWN/YELLOW (NC)
- ORANGE/BLACK (NC)
- ORANGE/WHITE (NC)
- ORANGE - DATA (J1850)
- PINK/BLACK (NC)
- WHITE (NC)
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- WHITE/RED (NC)
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- WHITE (NC)
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- BROWN/RED (NC)
- BROWN/YELLOW (NC)
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- ORANGE/WHITE (NC)
- ORANGE - DATA (J1850)
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- WHITE (NC)
- WHITE/BLACK - GROUND
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- WHITE/RED (NC)
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- YELLOW/RED - DOOR STATUS (-) OUTPUT
- YELLOW/RED - DOOR STATUS (-) OUTPUT
- BROWN/RED (NC)
- BROWN/YELLOW (NC)
- ORANGE/BLACK (NC)
- ORANGE/WHITE (NC)
- ORANGE - DATA (J1850)
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- WHITE (NC)
- WHITE/BLACK - GROUND
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- WHITE - STARTER ENABLE (-) OUTPUT
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- YELLOW/RED - DOOR STATUS (-) OUTPUT
- BROWN/RED (NC)
- BROWN/YELLOW (NC)
- ORANGE/BLACK (NC)
- ORANGE/WHITE (NC)
- ORANGE - DATA (J1850)
- PINK/BLACK (NC)
- WHITE (NC)
- WHITE/BLACK - GROUND
- WHITE/RED (NC)
- WHITE - STARTER ENABLE (-) OUTPUT
- WHITE/RED (NC)
- WHITE - STARTER ENABLE (-) OUTPUT
- YELLOW/RED - DOOR STATUS (-) OUTPUT
- YELLOW/RED - DOOR STATUS (-) OUTPUT
- BROWN/RED (NC)
- BROWN/YELLOW (NC)
- ORANGE/BLACK (NC)
- ORANGE/WHITE (NC)
- ORANGE - DATA (J1850)
- PINK/BLACK (NC)
- WHITE (NC)
- WHITE/BLACK - GROUND
- WHITE/RED (NC)
- WHITE - STARTER ENABLE (-) OUTPUT
- WHITE/RED (NC)
- WHITE - STARTER ENABLE (-) OUTPUT
- YELLOW/RED - DOOR STATUS (-) OUTPUT
- YELLOW/RED - DOOR STATUS (-) OUTPUT
- BROWN/RED (NC)
- BROWN/YELLOW (NC)
- ORANGE/BLACK (NC)
- ORANGE/WHITE (NC)
- ORANGE - DATA (J1850)
- PINK/BLACK (NC)
- WHITE (NC)
- WHITE/BLACK - GROUND
- WHITE/RED (NC)
- WHITE - STARTER ENABLE (-) OUTPUT
- WHITE/RED (NC)
- WHITE - STARTER ENABLE (-) OUTPUT
- YELLOW/RED - DOOR STATUS (-) OUTPUT
- YELLOW/RED - DOOR STATUS (-) OUTPUT
- BROWN/RED (NC)
- BROW
STANDARD 12 VOLT, GROUND AND IGNITION SWITCH CONNECTIONS ARE STILL REQUIRED FROM THE REMOTE STARTER.
**INSTALLATION MODE SELECTION**

1. Press and release programming button to select installation mode.
   - LED flashes (1X) once = DATA MODE
   - LED flashes (2X) twice = STANDARD HARDWIRE MODE

2. Press and hold programming button until LED turns solid GREEN to register selection.
   - After registration, follow Factory Reset Procedure to change installation mode and restart this procedure.

**MODULE PROGRAMMING PROCEDURE**

1. Insert key into ignition.
2. Turn key to START position.
3. Wait, LED will turn solid GREEN for 2 seconds.
4. Turn key to OFF position.
5. Module Programming Procedure completed.
IDENTIFY VEHICLE YEAR

1. Locate the Vehicle Identification Number (VIN), identify the 10th character then match it to its corresponding year.

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<th>Character</th>
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<td>AQ</td>
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MODULE DIAGNOSTICS

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<tr>
<th>LED STATUS</th>
<th>DURING PROGRAMMING</th>
<th>DURING REMOTE START</th>
<th>WITHIGNITION OFF</th>
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</thead>
<tbody>
<tr>
<td>Flashing RED</td>
<td>Missing/wrong information from firmware or vehicle</td>
<td>Incorrectly programmed</td>
<td>Incorrectly programmed or connected</td>
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<tr>
<td>Solid RED</td>
<td>Waiting for more vehicle information</td>
<td>Incorrectly programmed</td>
<td>Not programmed waiting for more vehicle information</td>
</tr>
<tr>
<td>Flashing GREEN</td>
<td>Additional steps required to complete programming</td>
<td>Correctly programmed and operational</td>
<td>False ground when running status from remote starter</td>
</tr>
<tr>
<td>Solid GREEN</td>
<td>Correctly programmed</td>
<td>Reset in progress</td>
<td>Reset in progress</td>
</tr>
<tr>
<td>OFF</td>
<td>No activity or already programmed</td>
<td>Invalid ground when running status from remote starter</td>
<td>At rest and ready for a remote start sequence</td>
</tr>
</tbody>
</table>

FACTORY RESET PROCEDURE

1. DISCONNECT all connectors from module EXCEPT the black 4-PIN standard or optional data connector.

2. DISCONNECT black 4-PIN standard or optional data connector.

3. PRESS AND HOLD programming button while connecting either 4-PIN standard or optional data connector.

4. When LED flashes red, RELEASE programming button.

5. LED will turn solid red for 2 seconds.

6. RECONNECT all connectors.

7. Repeat programming procedure.

Failure to follow procedure may result with a DTC or a CHECK ENGINE error message.