### Diagnosis By Symptom

#### Symptom Related Diagnostic Procedures

#### Symptom Chart, Part 1

<table>
<thead>
<tr>
<th>Condition</th>
<th>Possible Sources</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>The speed control is inoperative</td>
<td>• Speed control cable not attached to throttle.</td>
<td>• GO to <a href="#">Tipout Test X</a></td>
</tr>
<tr>
<td></td>
<td>• Central junction box (CJB) fuse(s):</td>
<td></td>
</tr>
<tr>
<td></td>
<td>— 34 (10A),</td>
<td></td>
</tr>
<tr>
<td></td>
<td>— 27 (15A) (gasoline only).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Circuitry.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Brake pedal position (BPP) switch.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Deactivator switch.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Speed control switch.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Anti-lock brake control module.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Powertrain control module (PCM).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Speed control servo.</td>
<td></td>
</tr>
</tbody>
</table>

### Symptom Chart, Part 2
## Diagnosis and Testing (Continued)

### Symptom Chart (Continued)

<table>
<thead>
<tr>
<th>Condition</th>
<th>Possible Sources</th>
<th>Action</th>
</tr>
</thead>
</table>
| - The set speed fluctuates | • Speed control servo.  
  • Anti-lock brake control module.  
  • PCM.  
  • Circuitry.  
  • Loose fit or binding between speed control cable and throttle body.  
  • Engine controls. | • GO to [Pinpoint Test B](#)  
• REFER to Computers and Control Systems. REPAIR engine as necessary. |
| - The speed control does not disengage when the brakes are applied | • CJF fuse fuse 34 (10A).  
  • Circuitry.  
  • BPP switch.  
  • Deactivator switch.  
  • Speed control servo.  
  • Binding-speed control cable.  
  • CPP switch or jumper. | • GO to [Pinpoint Test C](#) |
| - The speed control does not disengage when the clutch is applied (Super Duty only) | • Circuitry.  
  • CPP switch.  
  • Speed control servo. | • GO to [Pinpoint Test D](#) |
| - The speed control switch is inoperative | • Speed control switch.  
  • Speed control servo. | • GO to [Pinpoint Test E](#) |
| - Flash with last switch pressed and dynamic pull occurs at throttle. | — | • Test passed. |
| - Flash with last switch pressed, but no dynamic pull occurs at throttle and speed control inoperative. | • Speed control cable.  
  • Speed control servo. | • GO to [Pinpoint Test F](#) |
| - Flash code 2 — brake pedal position switch circuit failure. | • Circuitry.  
  • BPP switch.  
  • CPP switch or jumper (Super Duty only).  
  • Speed control servo. | • GO to [Pinpoint Test G](#) |
| - Flash code 3 — deactivator switch circuit failure. | • CJF fuse fuse 34 (10A).  
  • Circuitry.  
  • Deactivator switch.  
  • Speed control servo. | • GO to [Pinpoint Test H](#) |
| - Flash with last switch pressed, dynamic pull occurs at throttle and speed control inoperative. | • Circuitry.  
  • Anti-lock brake control module.  
  • PCM.  
  • Speed control servo. | • GO to [Pinpoint Test I](#) |
| - The speed control indicator lamp is always on. | • Circuitry.  
  • Bulb.  
  • Instrument cluster.  
  • Speed control servo. | • GO to [Pinpoint Test J](#) |
| - Flash code 4 — speed signal circuit failure. | • Circuitry.  
  • Speed control servo.  
  • Anti-lock brake control module. | • GO to [Pinpoint Test J](#) |