

GO to HD9.

The concern is intermittent.
GO to PINPOINT TEST Z .

PINPOINT TEST JC: SECONDARY IGNITION (COIL PACK) > INTRODUCTION

 **NOTE:** There is additional information available on this procedure. Copy and paste the following URL into your internet browser: mms://multimedia.ford.com/seopts/Service_Tips/ignition3.wmv.

This pinpoint test is intended to diagnose the following:

- spark plugs (12405)
- spark plug wires (12280, 12281)

PINPOINT TEST JC: SECONDARY IGNITION (COIL PACK) > TEST PROCEDURE

JC1 CHECK FOR DIAGNOSTIC TROUBLE CODES (DTCS)

Are DTCS P0300, P0301, P0302, P0303 or P0304?

Yes	No
For DTC P0300, GO to JC2 . For all others, GO to JC10.	For symptoms without DTCS, GO to JC2 . For all others, RETURN to SYMPTOM CHARTS for further direction.

JC2 CYLINDER POWER BALANCE TEST

 **NOTE:** The IDS test referenced in this step may not be available on all vehicles. Follow the YES answer if the IDS test is not available.

Carry out the Power Balance Test. Refer to the instruction manual provided by the scan tool manufacturer.

Are all cylinders contributing correctly during the power balance test?

Yes	No
GO to JC3 .	For a coil pack using an engine analyzer, GO to JC4. For a coil pack not using an engine analyzer, GO to JC10.

JC3 VISUAL INSPECTION OF THE IGNITION SYSTEM

Visually inspect the engine compartment to make sure all coils and spark plug wires are correctly and securely connected.