



NUMBER: 18-012-04

GROUP: Engine
Performance

DATE: March 16, 2003

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SUBJECT:

WOT Acceleration Stumble/Number 4 Spark Plug Wire Appearance

OVERVIEW:

This bulletin involves inspecting spark plugs and spark plug wires then replacing as required.

MODELS:

2003 - 2004 (PL) Neon SRT4

NOTE: This bulletin applies to vehicles equipped with a 2.4L turbo engine (sales code EDV).

SYMPTOM/CONDITION:

During Wide Open Throttle (WOT) acceleration, the engine stumbles periodically. This might feel like you are driving over multiple broomsticks. Some 2003 and 2004 SRT4's were built with four straight-boot spark plug wires. In some extreme cases, the number 4 cylinder ignition wire sheathing can turn white, this appearance in itself is not an indication of wire failure.

PARTS REQUIRED:

Qty.	Part No.	Description
1	05033266AA	Wire, #4 Cylinder 90 Degree Boot
AR (1)	05033233AB	Wire, #1, 2, or 3 Cylinder Straight Boot
AR (4)	SPRE14MCC5	Plug, Spark

DIAGNOSIS/REPAIR PROCEDURE:

1. Inspect all four spark plugs for electrode condition and carbon tracking.
Spark plug insulator surface imperfections may cause carbon tracking on the surface of the spark plug insulator and through the spark plug boot insulation. Deterioration of this insulation can cause periodic single cylinder misfire that may not happen often enough to set a MIL light.
2. If carbon tracking is evident on the spark plug insulation or otherwise damaged, replace the spark plug, p/n SPRE14MCC5, and the corresponding wire.

NOTE: Whenever replacing a spark plug for a carbon tracking related misfire issue, always be sure to replace the ignition wire as well. If the wire is not replaced with the spark plug, the damaged boot seal will allow contamination into the plug

contact area. The damaged boot seal may also allow continued carbon tracking due to the reduced insulation performance of the perforated boot seat.

3. If the number 4 spark plug wire has abnormally high resistance (greater than 8000 ohms) or the sheathing is split/cracked/discolored, replace the wire with a 90 degree boot spark plug wire, p/n 5033266AA.
4. If the number 1, 2, or 3 spark plug wire has abnormally high resistance (greater than 7200 ohms) or the sheathing is split/cracked/discolored, replace the wire with a 90 degree boot spark plug wire, p/n 05033233AB.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
08-17-02-91	Inspect and Replace Spark Plugs as Necessary	0.2 Hrs.
08-12-15-94	Inspect and Replace Spark Plug Wires as Necessary	0.2 Hrs.

FAILURE CODE:

X2	Split, Cut, or Torn
14	Short or Open