



## Tech Notes:

This Factory bulletin has to do with intermittent interruption of the 5 volt reference signal system-wide. The cause of the interruption is a chafed wire at the A/C pressure switch. We are NOT concerned with the A/C operation here, but rather, for our purposes, the 5 volt signal must be regulated and intact at all times. Many false codes can result from an intermittent problem like this one, and nowhere will you find it relating to catalytic converter failure, or converter codes!

XT303-06

X-TYPE

DATE 09/02

MODEL

2002 MY

X-TYPE

VIN

C00001-C84873

Driveability Issues/MIL Illuminated - Chafed Wires at A/C Pressure Switch - Repair Procedure

Issue:

Some X-TYPE vehicle within the above VIN range may experience driveability issues along with an illuminated MIL.

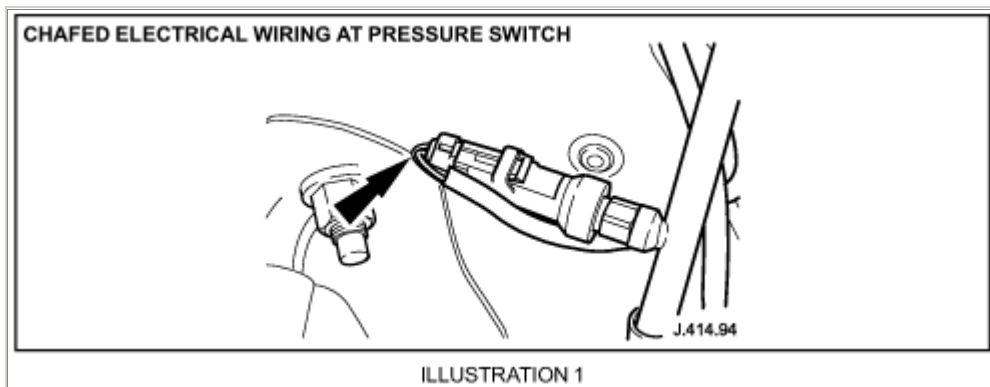
DTCs that relate to the 5-volt supply circuits for the sensors may also be present.

Action:

On a customer complaint basis only, if the vehicle is suffering from driveability issues and any DTCs relating to the 5-volt sensor supply circuits are logged, record the logged DTCs for future reference and follow the workshop procedure outlined below.

### WORKSHOP PROCEDURE

1. Open hood and fit fender protector covers.
2. Remove battery cover and disconnect battery.
3. Raise right hand front of vehicle and support on stand.
4. Remove right hand front wheel and tire assembly.
5. Remove right hand front wheel arch liner (see Workshop Manual, JTIS CD ROM, section: 501-02, SRO 76.10.90).

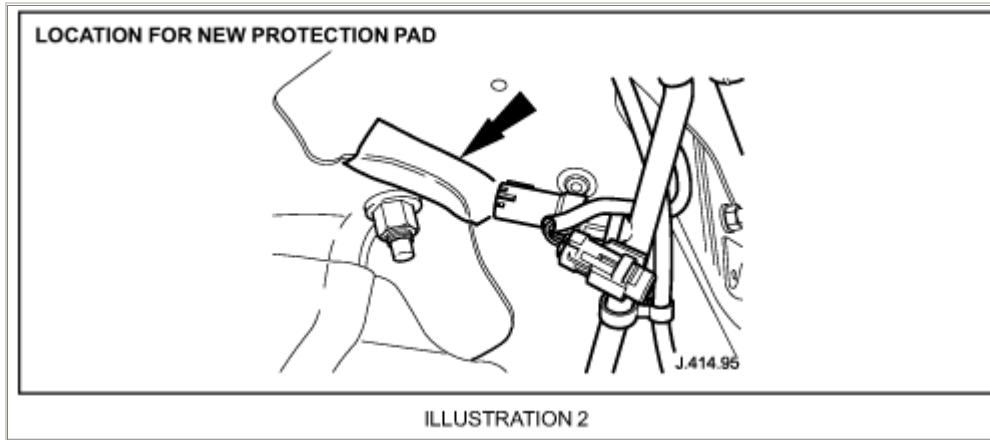


6. Inspect air conditioning pressure switch wiring for fouling/chafe condition and damage. (Illustration 1)  
**Note:** If damage to wiring has been identified, disconnect electrical connector and continue from step 7. If there is no damage to wiring, disconnect electrical connector and continue from step 16.
7. Displace anti back-out device from air conditioning pressure switch electrical connector.
8. Displace cover from rear of air conditioning pressure switch electrical connector.
9. Displace chafed wire from air conditioning pressure switch electrical connector.
10. Cut heat shrink sleeve from harness repair kit to appropriate length to cover chafe in wire

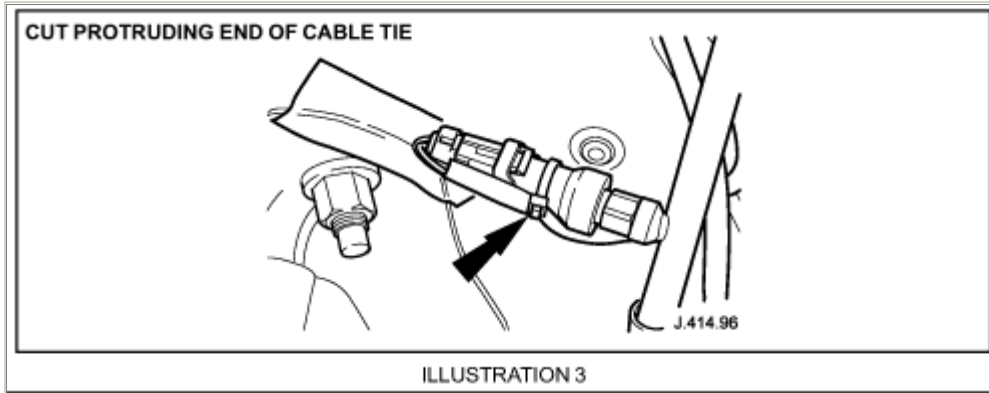
insulation.

**Note:** Refer to harness repair guide to determine the correct diameter heat shrink sleeve required.

11. Install heat shrink sleeve over chafed wire.
12. Apply appropriate heat source to heat shrink sleeve.
13. Install and push fully home repaired wire into air conditioning pressure switch electrical connector.
14. Align and fully install air conditioning pressure switch electrical connector rear cover.
15. Align and fully install air conditioning pressure switch electrical connector anti back-out device.
16. Using appropriate de-greaser, clean body around area where the fouling/chafe condition has been identified.  
**Note:** Allow area to dry.
17. Remove backing strip from PTFE protection pad.



18. Install PTFE protection pad to sheet metal edge where fouling/chafe condition occurred. (Illustration 2)  
**Note:** PTFE protection pad should be positioned against washer fitted to body and cover length of exposed edge.
19. Apply pressure to whole of surface of PTFE protection pad to ensure complete adhesion to body.
20. Reconnect air conditioning pressure switch electrical connector.



21. Secure wiring harness to body of switch with cable tie and cut and discard protruding end. (Illustration 3)  
**Note:** Position end of cable tie away from body to avoid interference.
22. Install right hand front wheel arch liner (see Workshop Manual, JTIS CD ROM, section: 501-02).
23. Install wheel and tire assembly.
24. Lower vehicle from stand.
25. Connect battery and install battery cover.
26. Remove fender protector covers and close hood.

<b>DESCRIPTION</b>	<b>PART NUMBER</b>	<b>QTY</b>
Cable tie	ADU 9028	1
PTFE pad	C2S 25035	1

#### Parts Information

#### Warranty Information:

<b>Description</b>	<b>SRO</b>	<b>Time</b>	<b>Causal Part Number</b>	<b>Causal Part Description</b>
Air conditioning pressure switch wiring repair	82.91.26	0.6 Hrs.	C2S 6014	Evaporator to condenser pipe.

Warranty claims should be submitted quoting the information found in the table.

This will result in payment of the stated time and, where applicable parts/miscellaneous expense codes as listed.