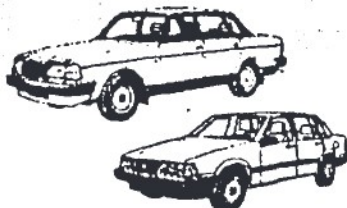


VOLVO

Service Bulletin

Fault Tracing
Repairs
Maintenance



MODEL 200-700/900	GROUP 28	NUMBER 205/906
TITLE PROTECTION FOR CONNECTORS B230F/FT, B234F 1989-->		
MARKET US and Canada	DATE March 1993	

Page 1 of 5

REFERENCE: TP 31903/1 (ENGLISH); 09/91; FUEL SYSTEM REGINA IGNITION SYSTEM REX-I
TP 31354/2 (ENGLISH); 09/90; FUEL SYSTEM LH JETRONIC 2.4 AND ELECTRONIC TURBO CONTROL UNIT
TP 31621/1 (ENGLISH); 06/90; EZ 116 K IGNITION SYSTEM
TP 31361/1 (ENGLISH); 12/88; LH-JETRONIC 2.4 FUEL SYSTEM
TP 31079/1 (ENGLISH); 10/88; EZ 116 K IGNITION SYSTEM

Protection for connectors on the B230F/FT, B234F engines

The engine management system connectors/components should be cleaned and protected if oxidation or driveability problems are encountered. If diagnostic trouble codes (DTCs) have been recorded although no fault is detected, connectors/components should also be cleaned and protected. The application of grease to connectors improves their long term reliability. The connectors shown in this service bulletin are of the type used in LH engine management systems. The corresponding connectors in REX/Regina systems may be protected in the same manner.

Material	P/N
Rust remover	1161435-1 or 1161034-2
Low-temperature grease	1161417-9 or 1161236-3

Caution: Do not use rust remover or grease on the heated oxygen sensor (HO2S) connectors.

Index # 033352

----- Service Personnel: circulate, read, and initial.

SERVICE MANAGER	SHOP FOREMAN	SERVICE ADVISOR	SERVICE TECHNICIANS							



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B230F/FT, B234F ENGINE

Power stage, idle air control valve (IAC valve), throttle position switch (TP switch), engine coolant temperature sensor (ECT sensor), engine speed sensor (RPM sensor), knock sensor, EGR temperature sensor and mass air flow sensor (MAF sensor) connectors should be protected.

Caution: Care should be taken not to damage or misplace the seals when disconnecting connectors.

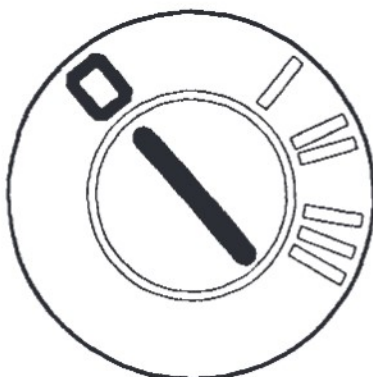
Greasing of the above connectors has been introduced in production from the following chassis no.:

240: 482738 (4 door)

240: 947845 (5 door)

940: 128400 (4 door)

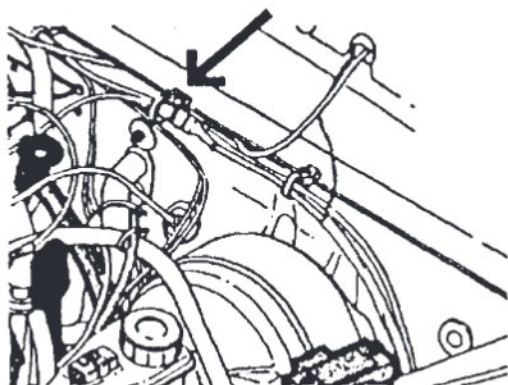
940: 079100 (5 door)



3000037A

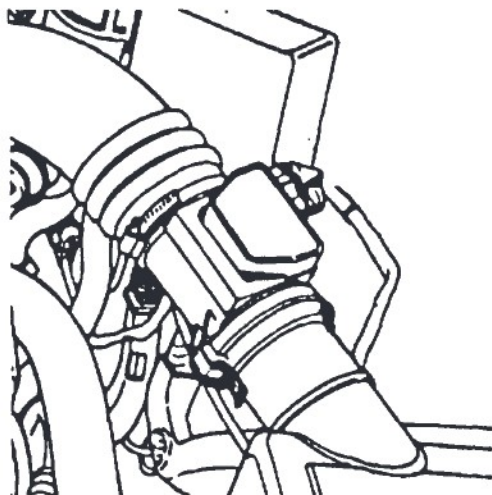
Procedure

Turn Ignition off



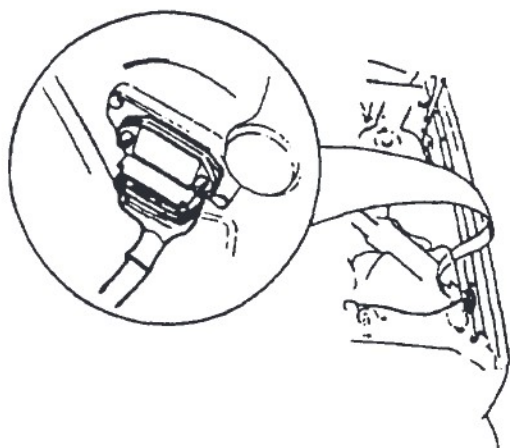
3700007S

Remove RPM sensor connector
(see arrow)



Remove MAF sensor connector

23000084S

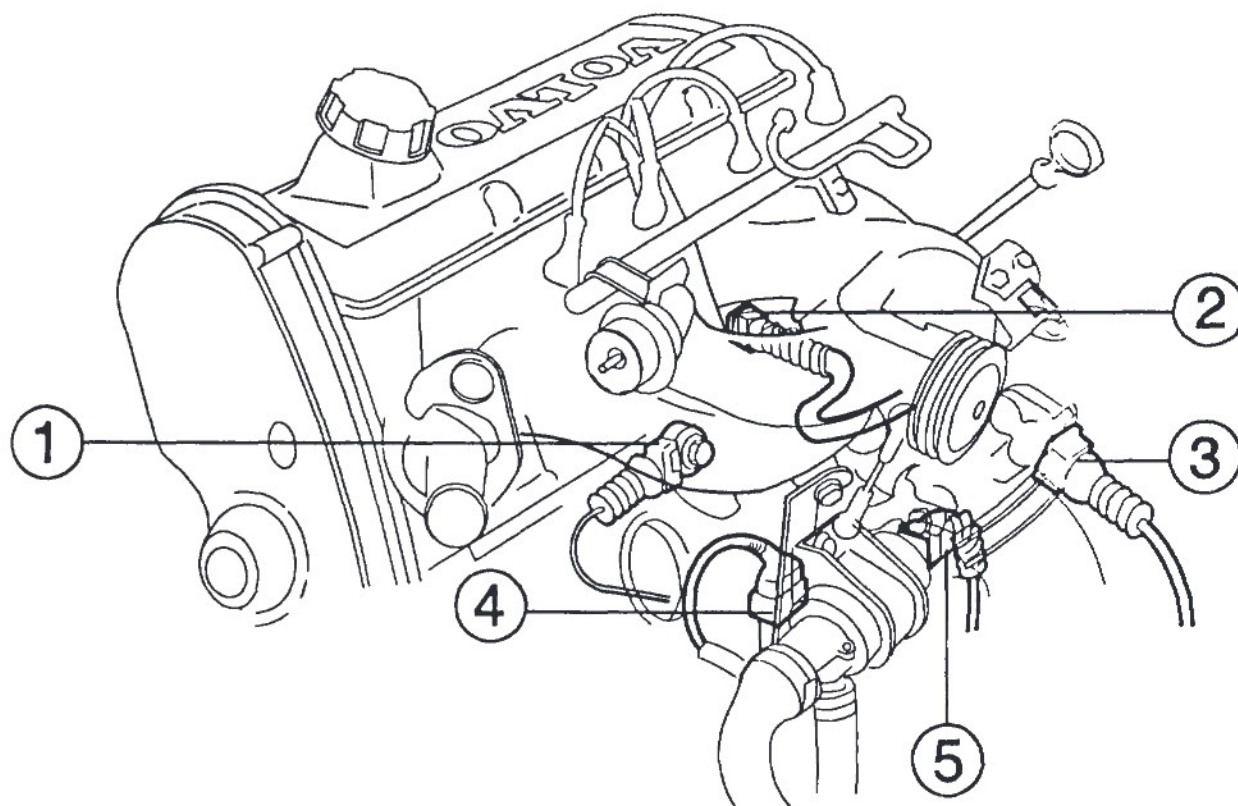


Remove power stage connector

S143182

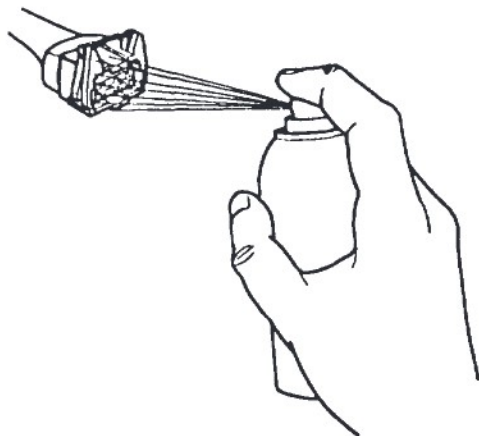


Remove connectors for:



37000039A

1. Knock sensor
2. ECT sensor
3. TP switch
4. EGR temperature sensor (where applicable)
5. IAC valve

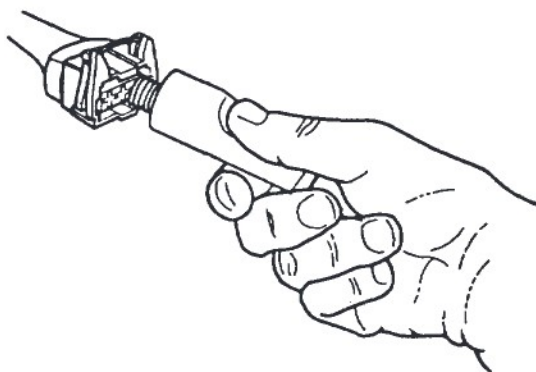


3700004A

Clean connectors

Spray connector halves (male and female) with rust remover.

Caution: Do not use rust remover or grease on the heated oxygen sensor (HO2S) connectors.



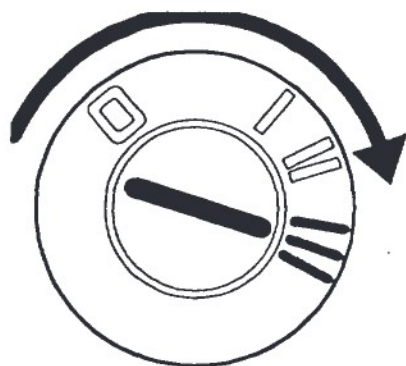
3700006A

Grease connectors

Press grease into connectors directly from tube.

Check that all spaces around connector terminals are filled.

Do not fill protective boots.



3000039A

Reconnect connectors

Ensure that all seals are in proper position prior to reconnection.

Start engine and leave it running one minute, then check on-board diagnostic system to ensure that no DTCs have been stored.

WARRANTY STATEMENT: Claims may be submitted under the New Car Limited Warranty when a manufacturing defect is present using claim type: 01.

Oper. No.	Labor Description	Time Allowance
389003	Greasing of connectors	0.5 hr

