General Information - General Service Information

Description and Operation

Repairs and Replacements

When service parts are required, it is essential that only genuine Jaguar/Daimler replacements are used.

Attention is drawn to the following points concerning repairs and the fitting of replacement parts and accessories:

- Safety features embodied in the vehicle may be impaired if other than genuine parts are fitted. In certain territories, legislation prohibits the fitting of parts which are not produced to the vehicle manufacturer's specification.
- Torque wrench setting figures given in this manual must be strictly adhered to. Locking devices, where specified, must be fitted. If the efficiency of a locking device is impaired during removal it must be renewed.
- Owners purchasing accessories while travelling abroad should make sure that the accessory and its fitted location on the vehicle conform to mandatory requirements existing in their country of origin.
- The vehicle warranty may be invalidated by the fitting of other than genuine Jaguar/Daimler parts. All Jaguar/Daimler replacements have the full backing of the factory warranty.
- Jaguar/Daimler dealers are obliged to supply only genuine service parts.

Vehicle Specifications

Purchasers are advised that the specification details set out in this manual apply to a range of vehicles and not to any specific one. For the specification of a particular vehicle, purchasers should consult their dealer.

The Manufacturer reserves the right to vary the specifications, with or without notice, and at such times and in such manner as the Manufacturer thinks fit. Major as well as minor changes may be involved, in accordance with the Manufacturer's policy of continuous improvement.

Whilst every effort is made to make sure the accuracy of the particulars contained in this manual, neither the Manufacturer nor the Dealer, by whom the manual is supplied, shall in any circumstances be held liable for any inaccuracy or the consequences thereof.

Service Repair Operation Numbering

A master index of numbered operations has been compiled for universal application to all vehicles manufactured by Jaguar Cars Ltd.

Each operation is allocated a number from the master index and cross-refers with an identical number in the Repair Operation Times schedule. The number consists of six digits arranged in three pairs.

Each maintenance procedure in this manual is described in the sequence necessary to complete the operation in the minimum time, as specified in the Repair Operation Times schedule.

References to Bank-1 and Bank-2

References to Bank-1 and Bank-2 are made with regard to the engine. When viewed from the flywheel the right-hand bank will be Bank-1 and the left-hand bank will be Bank-2.

Special Tools

Any special tools and equipment required to perform a maintenance procedure, are shown at the beginning of each procedure. When possible, illustrations are given to assist in identifying the tool needed.

Disconnecting/Connecting the Battery

Always stop the engine before disconnecting the battery negative lead and make sure the battery positive lead is isolated i.e. wrapped in a suitable cloth.

WARNING: Radio code saving devices must not be used when conducting work on Air Bag or Fuel systems. It must be noted that, when using these devices, the vehicle electrical system is still live albeit with a reduced current flow.

• NOTE: Before disconnecting the battery make sure that the radio receiver/cassette player/mini disc player and compact disc player keycodes are known and, that no data is required from the engine control module (ECM) as battery disconnection will erase any fault codes and idle/drive values held in the Keep Alive Memory (KAM). It is not necessary to disconnect or remove electronic control modules.

Always disconnect the battery before commencing repair operations which require:

- The vehicle to be jacked up
- Work on the engine
- Work underneath the vehicle
- Arc welding

Alternatively a Radio Code Saver may be used. With the battery disconnected, a Radio Code Saver will allow sufficient current to pass to maintain the radio receiver/cassette player/mini disc player and compact disc player memory, operate the clock and supply the door operated interior lights while isolating the battery in the event of a short circuit.

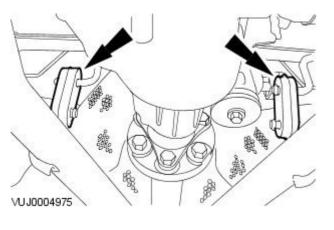
Reconnecting the Battery

WARNING: If the battery has been on bench charge the cells may be giving off explosive hydrogen gas. Avoid creating sparks, and if in doubt cover the vent plugs or covers with a damp cloth.

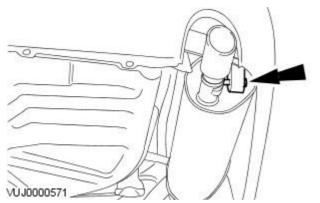
Always make sure that all electrical systems are switched OFF before reconnecting the battery to avoid causing sparks or damage to sensitive electrical equipment.

Always reconnect the battery positive lead first and the negative last, ensuring that there is a good electrical contact and the battery terminals are secure.

Restart the clock (where fitted) and set it to the correct time.

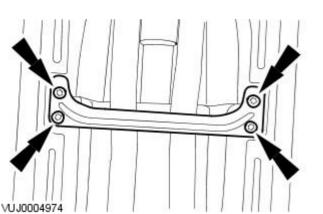


9. Attach the intermediate muffler exhaust hanger insulators.



10. NOTE: Right-hand shown, Left-hand similar.

Attach the rear muffler and tailpipe exhaust hanger insulator.



All vehicles

11. Install the support bracket.

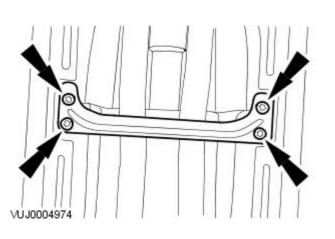
• Tighten to 9 Nm.

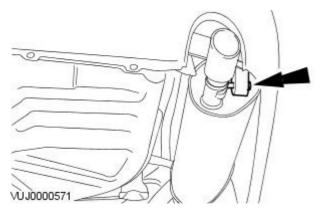
Driveshaft - Driveshaft

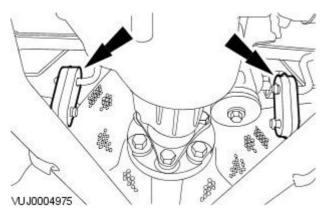
Removal and Installation

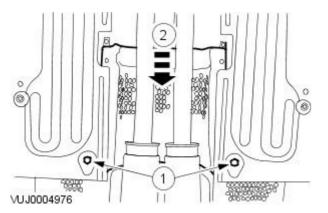
Removal

- oval
 - Raise and support the vehicle. For additional information, refer to Section <u>100-02 Jacking and Lifting</u>.
 - 2. Remove the support bracket.









3. NOTE: Right-hand shown, Left-hand similar.

Detach the rear muffler and tailpipe exhaust hanger insulator.



Detach the intermediate muffler exhaust hanger insulators.

- 5. Remove the driveshaft heat shield.
 - 1. Remove the retaining bolts.
 - 2. Remove the driveshaft heat shield.

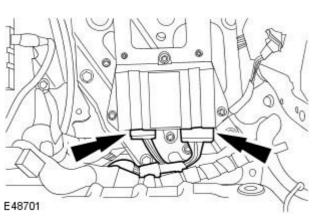
- VU J0005282

5. Detach the parking brake module.

- 6. Remove the parking brake module.
 - Disconnect the parking brake module electrical connectors.

Vehicles built from VIN:N13089

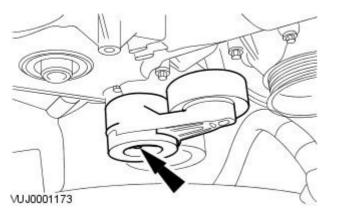
7. Disconnect the parking brake module electrical connectors.



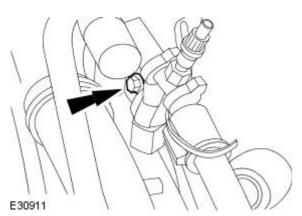
- E49482
- 8. Remove the parking brake module.

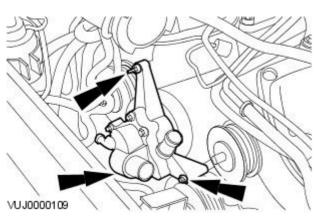
Installation

- NOTE: If a new parking brake module is installed it must be configured using the Jaguar approved diagnostic system.
 - 1. To install, reverse the removal procedure.



- **13.** Install the accessory drive belt tensioner.
 - Tighten to 45 Nm.

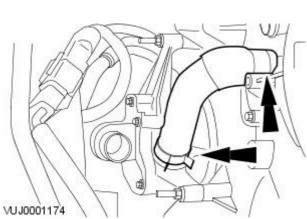


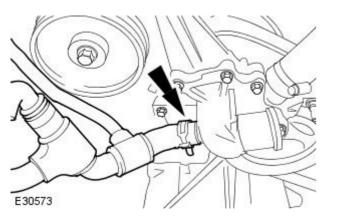


14. Attach the fuel supply manifold retaining bolt.

- 15. Install the water pump.
 - Tighten to 25 Nm.

16. Install the coolant hose.





17. Attach the coolant hose.

similar. Reposition the AIR control valve and bracket assembly.

8. NOTE: Vehicles with supercharger shown, vehicles without supercharger

• Tighten to 8 Nm.



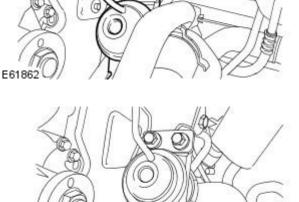
Connect the AIR control valve to exhaust manifold tube.

• Tighten to 35 Nm.

Vehicles with supercharger

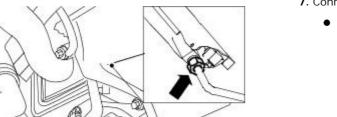
6. Install the AIR control valve to exhaust manifold tube.

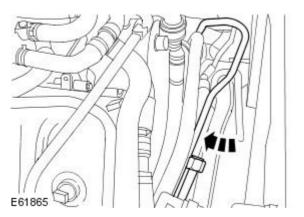
- 7. Connect the AIR control valve to exhaust manifold tube.
 - Tighten to 35 Nm.



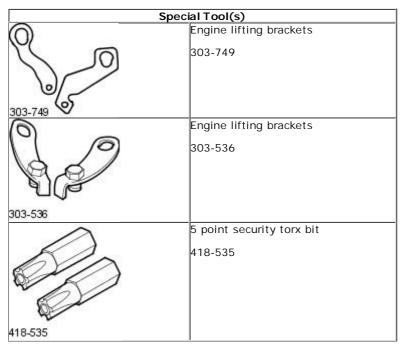
E61861

E 61863 All vehicles





Engine - V8 4.2L Petrol/V8 S/C 4.2L Petrol - Engine Removal

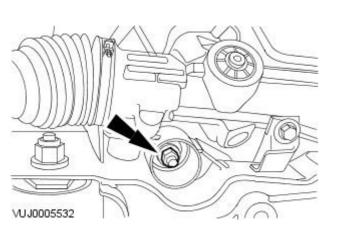


Removal

All Vehicles

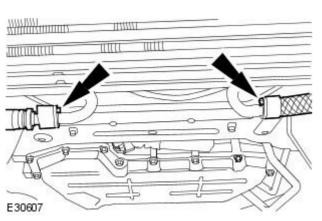
- 1. Reclaim the air conditioning refrigerant For additional information, refer to Section <u>412-00 Climate Control</u> <u>System - General Information</u>.
- 2. Remove the automatic transmission For additional information, refer to Section <u>.307-01 Automatic</u> <u>Transmission/Transaxle</u>.
- **3.** NOTE: Left hand shown, right hand similar.

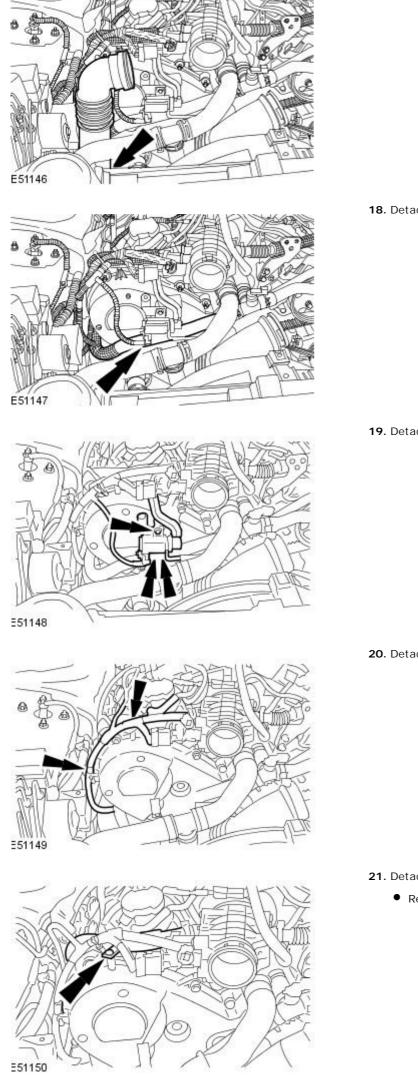
Remove the engine mount retaining nuts.



Vehicles with supercharger

- 4. Detach the oil cooler lines.
 - Remove and discard the oil cooler O rings





17. Remove the charge air cooler hose.

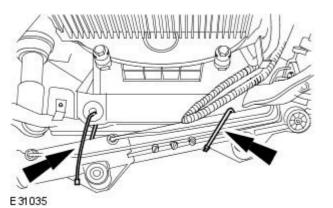
18. Detach the coolant hose.

19. Detach the port deactivation valve retaining bracket.

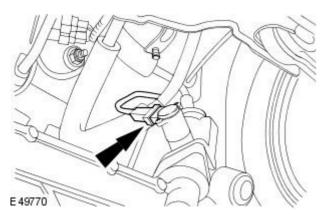
20. Detach the air temperature sensor wiring harness.

- 21. Detach the EGR valve tube.
 - Remove the retaining bolt.

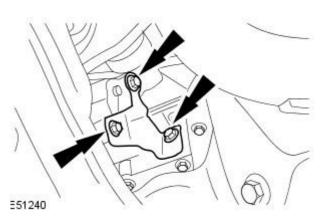
Symptom	Possible source	Action
		Testing). For purge valve tests,
		REFER to: Evaporative Emissions - VIN Range:
		N52048->N999999 (303-13 Evaporative Emissions, Diagnosis and Testing).
Difficult to start hot	Injector leak	For fuel injector information,
	 Engine fuel temperature (EFT) sensor 	REFER to: <u>Fuel Injectors</u> (303-04B Fuel Charging and Controls - V8 4.2L Petrol/V8 S/C 4.2L Petrol, Removal and Installation).
	 Intake air temperature (IAT) 	For EFT, IAT and MAF sensor tests,
	sensor Mass air flow (MAF) sensor	REFER to: <u>Electronic Engine Controls - VIN Range:</u> <u>N80181->R99999</u> (303-14B Electronic Engine Controls - V8 4.2L
	• Purge valve	Petrol/V8 S/C 4.2L Petrol, Diagnosis and Testing).
	 Fuel pump Ignition system 	For purge valve tests, REFER to: <u>Evaporative Emissions - VIN Range:</u>
	 EGR valve stuck open 	N52048->N99999 (303-13 Evaporative Emissions, Diagnosis
		and Testing). Check the fuel pressure,
		REFER to: Fuel Tank and Lines - V8 4.2L Petrol/V8 S/C 4.2L Petrol/2.5L NA V6 - AJV6/3.0L NA V6 - AJ27, VIN Range:
		N80181->R99999 (310-01 Fuel Tank and Lines, Diagnosis and
		Testing). For ignition system tests,
		REFER to: Engine Ignition - VIN Range: N52048->N99999
		(303-07B Engine Ignition - V8 4.2L Petrol/V8 S/C 4.2L Petrol, Diagnosis and Testing).
		For EGR system information,
		REFER to: Engine Emission Control - VIN Range: N80181->R99999 (303-08A Engine Emission Control - V8 4.2L
		Petrol/V8 S/C 4.2L Petrol/2.5L NA V6 - AJV6/3.0L NA V6 - AJ27,
Difficult to start after hot soak	 Injector leak 	Diagnosis and Testing). For fuel injector information,
(vehicle standing after engine has	 EFT sensor 	REFER to: Fuel Injectors (303-04B Fuel Charging and Controls -
reached operating temperature)	 IAT sensor MAF sensor 	V8 4.2L Petrol/V8 S/C 4.2L Petrol, Removal and Installation). For EFT, IAT and MAF sensor tests,
	 Purge valve 	REFER to: Electronic Engine Controls - VIN Range:
	 Fuel pump Ignition system 	N80181->R99999 (303-14B Electronic Engine Controls - V8 4.2L Petrol/V8 S/C 4.2L Petrol, Diagnosis and Testing).
	 EGR valve stuck open 	For purge valve tests,
		REFER to: <u>Evaporative Emissions - VIN Range:</u> <u>N52048->N99999</u> (303-13 Evaporative Emissions, Diagnosis
		and Testing). Check the fuel pressure,
		REFER to: Fuel Tank and Lines - V8 4.2L Petrol/V8 S/C 4.2L
		Petrol/2.5L NA V6 - AJV6/3.0L NA V6 - AJ27, VIN Range: N80181->R99999 (310-01 Fuel Tank and Lines, Diagnosis and
		Testing).
		For ignition system tests, REFER to: <u>Engine Ignition - VIN Range: N52048->N99999</u>
		(303-07B Engine Ignition - V8 4.2L Petrol/V8 S/C 4.2L Petrol,
		Diagnosis and Testing). For EGR system information,
		REFER to: Engine Emission Control - VIN Range: N80181->R99999 (303-08A Engine Emission Control - V8 4.2L
		Petrol/V8 S/C 4.2L Petrol/2.5L NA V6 - AJV6/3.0L NA V6 - AJ27,
Engine stalls soon after start	 Breather system 	Diagnosis and Testing). For breather system information,
	disconnected/restricted	REFER to: Engine Emission Control - VIN Range:
	 ECM relay Harness 	N80181->R99999 (303-08A Engine Emission Control - V8 4.2L Petrol/V8 S/C 4.2L Petrol/2.5L NA V6 - AJV6/3.0L NA V6 - AJ27,
	 MAF sensor 	Diagnosis and Testing).
	 Ignition system Air filter restricted 	For ECM relay and MAF sensor tests, REFER to: <u>Electronic Engine Controls - VIN Range:</u>
	 Fuel lines Fuel rail pressure (FRP) sensor 	N80181->R999999 (303-14B Electronic Engine Controls - V8 4.2L Petrol/V8 S/C 4.2L Petrol, Diagnosis and Testing).
	 Air leakage 	For ignition system tests,
		REFER to: Engine Ignition - VIN Range: N52048->N99999 (303-07B Engine Ignition - V8 4.2L Petrol/V8 S/C 4.2L Petrol,
		Diagnosis and Testing).
		For air filter information, REFER to: Intake Air Distribution and Filtering - VIN Range:
		N52048->N99999 (303-12B Intake Air Distribution and Filtering
		- V8 4.2L Petrol/V8 S/C 4.2L Petrol, Diagnosis and Testing). For fuel line information,
		REFER to: Fuel Tank and Lines - V8 4.2L Petrol/V8 S/C 4.2L
		Petrol/2.5L NA V6 - AJV6/3.0L NA V6 - AJ27, VIN Range: N80181->R99999 (310-01 Fuel Tank and Lines, Diagnosis and
		Testing). For FRP sensor tests,
		REFER to: Electronic Engine Controls - VIN Range:
		N80181->R99999 (303-14B Electronic Engine Controls - V8 4.2L Petrol/V8 S/C 4.2L Petrol, Diagnosis and Testing).
		For intake system information,
		REFER to: Intake Air Distribution and Filtering - VIN Range: N52048->N99999 (303-12B Intake Air Distribution and Filtering
		- V8 4.2L Petrol/V8 S/C 4.2L Petrol, Diagnosis and Testing).
Engine hesitates/poor acceleration	 Fuel pump Injector leak 	Check the fuel pressure, check the fuel lines, REFER to: Fuel Tank and Lines - V8 4.2L Petrol/V8 S/C 4.2L
	 Fuel pressure 	Petrol/2.5L NA V6 - AJV6/3.0L NA V6 - AJ27, VIN Range:
	 Fuel lines Air leakage 	N80181->R999999 (310-01 Fuel Tank and Lines, Diagnosis and Testing).
	 Throttle position (TP) sensors 	For intake system,



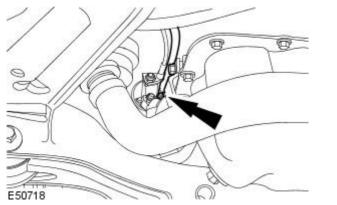
6. Secure the steering gear.



7. Disconnect the power steering control valve actuator electrical connector.

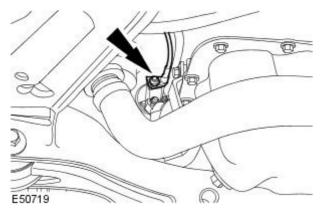


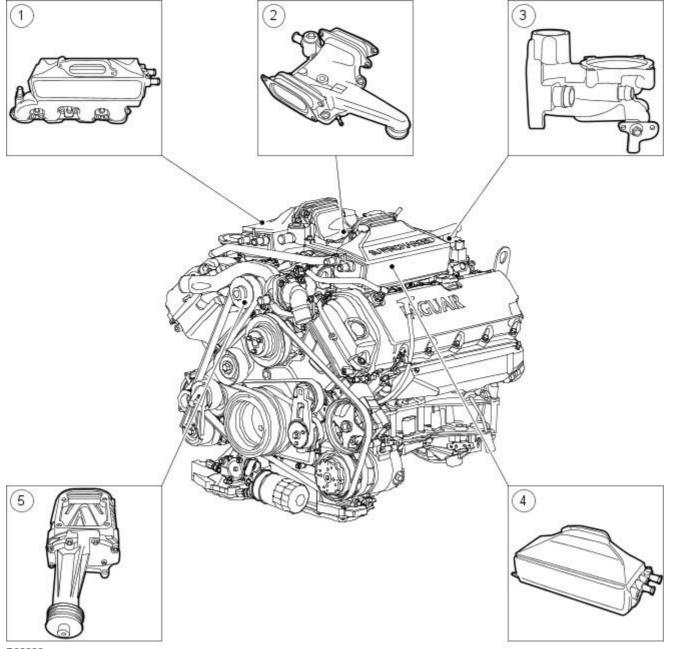
8. Remove the starter motor retaining bracket.



9. Detach the starter motor solenoid harness.

10. Detach the starter motor cable.





E30233

Item	Part Number	Description
1	—	Charge air cooler
2	—	Supercharger outlet pipe
3	—	Throttle body elbow
4	—	Charge air cooler
5	—	Supercharger

Intake air distribution and filtering for vehicles with supercharger

Air is supplied to the supercharger via the air cleaner, air cleaner outlet pipe, throttle body intake pipe, throttle body and throttle body elbow. The supercharger delivers pressurized air to two separate charge air cooler units, each unit being mounted on the cylinder bank it supplies. Pressurized cooled air is fed from the charge air coolers directly into each inlet port. The air cleaner outlet pipe differs from the normally aspirated by having tuned resonators to reduce inlet noise levels. An intake air temperature sensor is fitted at the outlet of the bank 1 charge air cooler. The sensor provides an input to the engine control module (ECM). For additional information, refer to Section 303-14A Electronic Engine Controls / 303-14B Electronic Engine Controls / 303-14C Electronic Engine Controls. The intake elbow directs the metered airflow from the throttle body outlet (underside of the throttle body) into the intake of the supercharger. The supercharger by-pass valve assembly is part of the intake elbow. The butterfly valve inside the assembly is opened by a diaphragm actuator operated by vacuum feed from the elbow. At closed or partially open throttle positions, the butterfly valve opens, allowing the airflow from the two charge air cooler inlets to be directed back to the supercharger inlet. This action inhibits the supercharging effect and reduces engine torque. Progressive opening of the throttle causes the by-pass valve to gradually close.

Supercharger

The supercharger is attached to the three mounting bosses between the two cylinder heads. The supercharger has a filled for life internal lubrication system. The supercharger is positively aligned with the drive belt by a doweled mounting bracket

Charge Air Cooler

Each cylinder bank is fitted with a charge air cooler which supplies pressurized air to the four cylinders. The inlet ports to the two charge air coolers are connected to the supercharger via the supercharger outlet pipe consisting of adjustable metal ducts with bonded rubber seals. The charge air coolers are water cooled via a radiator and water pump. For additional information, refer to Section <u>303-03A Engine Cooling</u> / <u>303-03B Supercharger Cooling</u> / <u>303-03C Engine Cooling</u>.

	1 Measure the resistance between:	,,
	Catalyst monitor connector PI13, harness side	Battery
	Pin 04 Is the resistance less than 10,000 ohms?	Positive terminal
	Yes	
	REPAIR the short circuit. For additional information, refer to the wiring diagrams.	CLEAR the DTC and test the
	system for normal operation. No	
	<u>GO to L3</u> .	
L3: CHECK THE	CATALYST MONITOR SENSOR SENSING CIRCUIT FOR HIGH RESISTANCE	
	1 Disconnect the ECM electrical connector, PI300.	
	2 Measure the resistance between:	
	Catalyst monitor connector PI13, harness side ECM con Pin 04 Pin 41	nector PI 300, harness side
	Is the resistance greater than 5 ohms?	
	Yes	
	REPAIR the high resistance circuit. For additional information, refer to the wiring	diagrams. CLEAR the DTC and test
	the system for normal operation.	
	<u>GO to L4</u> .	
L4: CHECK THE	CATALYST MONITOR SENSOR GROUND CIRCUIT FOR HIGH RESISTANCE	
	1 Measure the resistance between:	na stan DI 200, kanna sa sida
	Catalyst monitor connector PI13, harness side ECM con Pin 03 Pin 45	nector PI300, harness side
	Is the resistance greater than 5 ohms?	
	Yes	
	REPAIR the high resistance circuit. For additional information, refer to the wiring the system for normal operation.	diagrams. CLEAR the DTC and test
	No	
	INSTALL a new catalyst monitor sensor.	
	REFER to: Catalyst Monitor Sensor (303-14A Electronic Engine Controls - 2.5L/3.0	DL, Removal and Installation).
	CLEAR the DTC and test the system for normal operation.	
PINPOINT TE	ST M : LEFT-HAND CATALYST MONITOR SENSOR SUPPLY AND HEATER CO	ONTROL CIRCUITS
A		
	Jnder no circumstances must the sensor wiring be cut to facilitate removal, should this	
• NOTE: Carry of TEST	It a visual inspection of the HO2S connectors (integrity of connections may be affected DETAILS/RESULTS/ACTIONS	by heat from catalytic converters)
CONDITIONS	DETAILS/ RESULTS/ ACTIONS	
M1: CHECK THE	CATALYST MONITOR HEATER POWER SUPPLY CIRCUIT	
	Disconnect the catalyst monitor sensor electrical connector, PI13.	
	2 Key on, engine off.	
	3 Make sure the O2S heater relay is energized.	
	A Measure the voltage between:	
		Battory
	Pin 01 Catalyst monitor connector PI13, harness side	Battery Negative terminal
	Pin 01 Is the voltage greater than 10 volts?	Negative terminal
	Pin 01 Is the voltage greater than 10 volts? Yes	
	Pin 01 Is the voltage greater than 10 volts? Yes <u>GO to M2</u> .	
	Pin 01 Is the voltage greater than 10 volts? Yes <u>GO to M2</u> . No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include	Negative terminal
	Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c	Negative terminal
	Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c the system for normal operation.	Negative terminal s the O2S heater relay and fuse 35 iagrams. CLEAR the DTC and test
M2: CHECK THE	Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU	Negative terminal s the O2S heater relay and fuse 35 iagrams. CLEAR the DTC and test
M2: CHECK THE	Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c the system for normal operation.	Negative terminal s the O2S heater relay and fuse 35 iagrams. CLEAR the DTC and test
M2: CHECK THE	Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU 1 Key off. 2 Measure the resistance between: Catalyst monitor connector PI13, harness side	Negative terminal s the O2S heater relay and fuse 35 iagrams. CLEAR the DTC and test ND Battery
M2: CHECK THE	Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU 1 Key off. 2 Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02	Negative terminal s the O2S heater relay and fuse 35 lagrams. CLEAR the DTC and test
M2: CHECK THE	Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring center the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU 1 Key off. 2 Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms?	Negative terminal s the O2S heater relay and fuse 35 iagrams. CLEAR the DTC and test ND Battery
M2: CHECK THE	Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring center the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU 1 Key off. 2 Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms?	Negative terminal INE O2S heater relay and fuse 35 iagrams. CLEAR the DTC and test IND Battery Negative terminal
M2: CHECK THE	Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU 1 Key off. 2 Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation.	Negative terminal INE O2S heater relay and fuse 35 iagrams. CLEAR the DTC and test IND Battery Negative terminal
M2: CHECK THE	Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU 1 Key off. 2 Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No	Negative terminal INE O2S heater relay and fuse 35 iagrams. CLEAR the DTC and test IND Battery Negative terminal
	 Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring of the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU Key off. Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. Of normal operation. 	Negative terminal INE Sthe O2S heater relay and fuse 35 iagrams. CLEAR the DTC and test IND Battery Negative terminal LEAR the DTC and test the system
	Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU 1 Key off. 2 Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No	Negative terminal INE Sthe O2S heater relay and fuse 35 iagrams. CLEAR the DTC and test IND Battery Negative terminal LEAR the DTC and test the system
	 Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring o the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU Key off. Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No <u>GO to M3</u>. 	Negative terminal INE Sthe O2S heater relay and fuse 35 iagrams. CLEAR the DTC and test IND Battery Negative terminal LEAR the DTC and test the system
	 Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring of the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU [1] Key off. [2] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. Of for normal operation. No GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE [1] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 	Negative terminal IND Battery Negative terminal ILEAR the DTC and test IND ILEAR the DTC and test the system ILEAR the DTC and test the system
	 Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring of the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU [1] Key off. [2] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE [1] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE [1] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? 	Negative terminal IND Battery Negative terminal ILEAR the DTC and test R Battery Negative terminal ILEAR the DTC and test the system R Battery
	 Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring of the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU [1] Key off. [2] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE [1] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE [1] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? 	Negative terminal Solution terminal Solution terminal Solution terminal Solution Solution
	 Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring of the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU Key off. Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE I Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE I Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No ESTALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE I Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal o	Negative terminal Solution terminal Solution terminal Solution terminal Solution Solution
	 Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU [1] Key off. [2] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE [1] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE [1] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. 	Negative terminal Solution terminal Solution terminal Solution terminal Solution Solution
М3: СНЕСК ТНЕ	 Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M4. 	Negative terminal Indext states Indext states IND Battery Negative terminal ILEAR the DTC and test the system Battery Positive terminal ILEAR the DTC and test the system ILEAR the DTC and test the system ILEAR the DTC and test the system
М3: СНЕСК ТНЕ	 Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU [1] Key off. [2] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE [1] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE [1] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. 	Negative terminal Indext states Indext states IND Battery Negative terminal ILEAR the DTC and test the system Battery Positive terminal ILEAR the DTC and test the system ILEAR the DTC and test the system ILEAR the DTC and test the system
М3: СНЕСК ТНЕ	 Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring of the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M4. CATALYST MONITOR SENSOR HEATER CONTROL CIRCUIT FOR HIGH RESISTANC 	Negative terminal Indext states Indext states IND Battery Negative terminal ILEAR the DTC and test the system Battery Positive terminal ILEAR the DTC and test the system ILEAR the DTC and test the system ILEAR the DTC and test the system
М3: СНЕСК ТНЕ	 Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU [1] Key off. [2] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE [1] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE [1] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M4. CATALYST MONITOR SENSOR HEATER CONTROL CIRCUIT FOR HIGH RESISTANC [1] Disconnect the ECM electrical connector, PI 300. [2] Measure the resistance between: Catalyst monitor connector PI 13, harness side 	Negative terminal Indext states Indext states IND Battery Negative terminal ILEAR the DTC and test the system Battery Positive terminal ILEAR the DTC and test the system ILEAR the DTC and test the system ILEAR the DTC and test the system
М3: СНЕСК ТНЕ	Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU [] Key off. [2] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE [] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M4. CATALYST MONITOR SENSOR HEATER CONTROL CIRCUIT FOR HIGH RESISTANC for normal operation. No GO to M4. CATALYST MONITOR SENSOR HEATER CONTROL CIR	Negative terminal Indext States Indext States IND Battery Negative terminal ILEAR the DTC and test the system Battery Positive terminal ILEAR the DTC and test the system E ILEAR the DTC and test the system
М3: СНЕСК ТНЕ	Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROU I Key off. 2 Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE I Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M4. CATALYST MONITOR SENSOR HEATER CONTROL CIRCUIT FOR HIGH RESISTANC I Disconnect the ECM electrical connector, PI300. 2 Measure the resistance between: <	Negative terminal Indext States Indext States IND Battery Negative terminal ILEAR the DTC and test the system Battery Positive terminal ILEAR the DTC and test the system E ILEAR the DTC and test the system
М3: СНЕСК ТНЕ	Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROL [1] Key off. [2] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE [1] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M4. CATALYST MONITOR SENSOR HEATER CONTROL CIRCUIT FOR HIGH RESISTANC [1] Disconnect the ECM electrical connector, PI30. [2] Measure the resistance between: Catalys	Negative terminal Indext states Indext states IND Battery Negative terminal ILEAR the DTC and test the system Battery Positive terminal ILEAR the DTC and test the system E ILEAR the DTC and test the system
М3: СНЕСК ТНЕ	Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROL 1 Key off. 2 Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE 1 Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M4. CATALYST MONITOR SENSOR HEATER CONTROL CIRCUIT FOR HIGH RESISTANC 1 Disconnect the ECM electrical connector, PI30. 2 Measure the resistance between: Catalyst monitor connector PI13, harn	Negative terminal Indext states Indext states IND Battery Negative terminal ILEAR the DTC and test the system Battery Positive terminal ILEAR the DTC and test the system E ILEAR the DTC and test the system
М3: СНЕСК ТНЕ	Pin 01 Is the voltage greater than 10 volts? Yes GO to M2. No REPAIR the power supply circuit to the catalyst monitor heater. This circuit include of the front power distribution box. For additional information, refer to the wiring c the system for normal operation. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO GROL [1] Key off. [2] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M3. CATALYST MONITOR HEATER CONTROL CIRCUIT FOR SHORT CIRCUIT TO POWE [1] Measure the resistance between: Catalyst monitor connector PI13, harness side Pin 02 Is the resistance less than 10,000 ohms? Yes REPAIR the short circuit. For additional information, refer to the wiring diagrams. C for normal operation. No GO to M4. CATALYST MONITOR SENSOR HEATER CONTROL CIRCUIT FOR HIGH RESISTANC [1] Disconnect the ECM electrical connector, PI30. [2] Measure the resistance between: Catalys	Negative terminal Indext states Indext states IND Battery Negative terminal ILEAR the DTC and test the system Battery Positive terminal ILEAR the DTC and test the system E ILEAR the DTC and test the system

Electronic Engine Controls - V8 4.2L Petrol/V8 S/C 4.2L Petrol - Manifold Absolute Pressure (MAP) Sensor

Removal and Installation

Removal

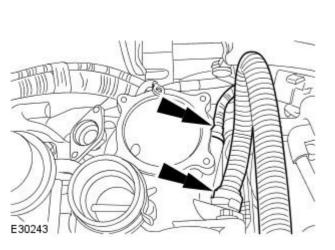
Vehicles without supercharger

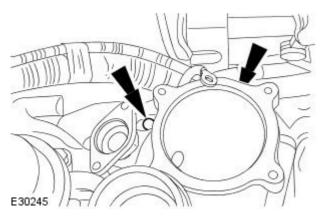
1. Remove the intake manifold. For additional information, refer to: (303-01B Engine - V8 4.2L Petrol/V8 S/C 4.2L Petrol)

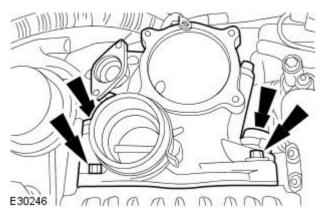
Intake Manifold - VIN Range: M45255->N52047 (In-vehicle Repair), Intake Manifold - VIN Range: N52048->N99999 (In-vehicle Repair).

Vehicles with supercharger

- Remove the exhaust gas recirculation (EGR) valve. For additional information, refer to: <u>Exhaust Gas Recirculation (EGR)</u> <u>Valve</u> (303-08A Engine Emission Control - V8 4.2L Petrol/V8 S/C 4.2L Petrol/2.5L NA V6 - AJV6/3.0L NA V6 - AJ27, Removal and Installation).
- 3. Disconnect the air intake elbow pipes.







4. NOTE: Make sure that the correct location of the ground strap is noted. Remove the air intake elbow retaining bracket lower retaining bolts.

- 5. Detach the air intake elbow.
 - Remove and discard the gasket.
 - Remove and discard the retaining bolt seals.

- 10 E50700
- 6. Remove the hydraulic restricter.

7. Remove the clutch slave cylinder.

 $\label{eq:lastice} \textbf{1}. \ \textbf{To install, reverse the removal procedure.}$

• Tighten to 9 Nm.

Installation

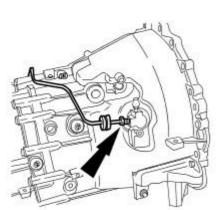
• NOTE: Apply suitable tape to the input shaft to protect the slave cylinder seal from damage. Remove the tape when the slave cylinder is installed.

- 6

2. Tighten to 24 Nm.

E50701

E50701



E50698

3. Install the transmission.

For additional information, refer to: <u>Transmission</u> (308-03B Manual Transmission/Transaxle - Vehicles With: S6-53 6-Speed Manual Transmission, Installation).

		operation.		
B3: CHECK THE H		NITCH OPERATION BEFORE THE CLOC	KSPRING	
	1	Remove the driver airbag assembly.		
	2	Disconnect the horn switch connector, S	SQ5.	
	3	Connect an ohmmeter between:		
		SQ5, component side		SQ5, component side
		n 01		Pin 02
	4	Operate the horn switch and monitor th		-
		Check the switch at all four corners of the registered quitte to least then 10 december 10 decemb	•	•
	Do Ye		onms when the	norn switch is operated?
	No			
BA: CHECK THE H		<u>GO to B4.</u> S BETWEEN THE HORN SWITCH AND T		
B4. CHECK THE H		Remove the steering wheel.		ING FOR HIGH RESISTANCE
	2	Disconnect the clockspring connector, S	02	
	3	Measure the resistance between:	Q2.	
		SQ5, harness side		SQ2, harness side
	Dir	02		Pin 05
	li	n 01	j	Pin 04
	<u>}</u>	the resistance less than 10 ohms?	I	111104
	Ye			
		GO to B5.		
	No		additional infor	mation, refer to the electrical guides. Test for normal
		operation. PRING FOR HIGH RESISTANCE		
DO: CHECK THE C		Measure the resistance between:		
	╟╝	SQ2, component side		FC117, component side
	Dir	n 04	Din	06
	i	n 05	Pin	
		the resistance less than 10 ohms?	JF 111	07
	Ye			
	No	and relay tests. GO to Pinpoint Test A.	nt cluster, front	electronic module or SCP network fault. For horn circuit
		INSTALL a new clockspring. REFER to: <u>Clockspring</u> (501-20B Supple)	mental Restrair	nt System, Removal and Installation).
		Test for normal operation.		-
PINPOINT TEST	C : HO	ORN CIRCUIT AND RELAY (HORN S	SOUNDING C	ONTINUOUSLY)
TEST		DET	AILS/RESULT	S/ACTIONS
TEST CONDITIONS		DET	AILS/RESULT	S/ACTIONS
CONDITIONS		CIRCUIT TO POWER IN THE HORN ASS	EMBLY CIRCU	IT
CONDITIONS C1: CHECK FOR S			EMBLY CIRCU	IT
CONDITIONS C1: CHECK FOR SI	1 Rem loes the	CIRCUIT TO POWER IN THE HORN ASS	EMBLY CIRCU	IT
CONDITIONS C1: CHECK FOR SI	1 Rem loes the ' es	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power	EMBLY CIRCU	IT
CONDITIONS C1: CHECK FOR SI	1 Rem Does the Ces GO Io REP	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power e horn stop? to C2. AIR the short circuit to power in the circu	EMBLY CIRCU distribution fue	IT se box). front power distribution fuse box and the horn. For
CONDITIONS C1: CHECK FOR SI	1 Rem looes the 'es GO REP addi	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power e horn stop? to C2. AIR the short circuit to power in the circu itional information, refer to the electrical	EMBLY CIRCU distribution fue it between the guides. Refit th	IT se box). front power distribution fuse box and the horn. For
CONDITIONS C1: CHECK FOR SI	1 Rem boes the 'es GO Io REP add	CIRCUIT TO POWER IN THE HORN ASS nove the hom relay (relay 12, front power e hom stop? to C2. AIR the short circuit to power in the circu itional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F	EMBLY CIRCU distribution fue it between the guides. Refit th	IT se box). front power distribution fuse box and the horn. For
CONDITIONS C1: CHECK FOR SI	1 Rem boes the 'es lo REP addi HORT C	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power e horn stop? to C2. AIR the short circuit to power in the circu itional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59.	EMBLY CIRCU distribution fue it between the guides. Refit th	IT se box). front power distribution fuse box and the horn. For
CONDITIONS C1: CHECK FOR SI	1 Rem Does the Ces GO IO REP addi HORT C	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power a horn stop? to C2. AIR the short circuit to power in the circu itional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between:	EMBLY CIRCU distribution fue it between the guides. Refit th	IT se box). front power distribution fuse box and the horn. For
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI	1 Rem Does the Zes GO IO REP add HORT C 1 Disc 2 Mea	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power e horn stop? to C2. AIR the short circuit to power in the circu itional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59.	EMBLY CIRCU distribution fue it between the guides. Refit th	IT se box). front power distribution fuse box and the horn. For ne relay, test for normal operation. Battery
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI	1 Rem Does the Ces GO REP addi HORT C 1 Disc 2 Mea	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power a horn stop? to C2. AIR the short circuit to power in the circu itional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side	EMBLY CIRCU distribution fue it between the guides. Refit th	IT se box). front power distribution fuse box and the horn. For ne relay, test for normal operation.
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI E E E E E	1 Rem Does the Ces GO REP addi HORT C 1 Disc 2 Mea	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power a horn stop? to C2. AIR the short circuit to power in the circu itional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between:	EMBLY CIRCU distribution fue it between the guides. Refit th	IT se box). front power distribution fuse box and the horn. For ne relay, test for normal operation. Battery
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI E C2: CHECK FOR SI E	1 Rem loces the loces REP addi HORT C 1 Disc 2 Mea Pin 08 s the re loces GO	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power a horn stop? to C2. AIR the short circuit to power in the circu itional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side	EMBLY CIRCU distribution fue it between the guides. Refit th	IT se box). front power distribution fuse box and the horn. For ne relay, test for normal operation. Battery
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI E C2: CHECK FOR SI E	I Rem Joes the GO Io REP. add HORT C I Disc 2 Mea Vin 08 s the re s the re GO Io GO	CIRCUIT TO POWER IN THE HORN ASS hove the horn relay (relay 12, front power e horn stop? to C2. AIR the short circuit to power in the circu itional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side	EMBLY CIRCU distribution fus it between the guides. Refit th PDB CIRCUIT	IT se box). front power distribution fuse box and the horn. For ne relay, test for normal operation. Battery Negative terminal
CONDITIONS C1: CHECK FOR SI Y C2: CHECK FOR SI E E E E E E E E E E E E E E E E E E E	1 Rem Joes the GO Io REP add HORT C 1 Disc 2 Mea 2 Sthe re 2 GO 2 GO 2 GO 2 GO 2 GO 3 Sthe re GO GO Io REP.	CIRCUIT TO POWER IN THE HORN ASS hove the horn relay (relay 12, front power e horn stop? to C2. AIR the short circuit to power in the circu itional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side	EMBLY CIRCU distribution fus it between the guides. Refit th PDB CIRCUIT	IT se box). front power distribution fuse box and the horn. For ne relay, test for normal operation. Battery Negative terminal the electrical guides. Test for normal operation.
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI C2: CHECK FOR SI E C3: CHECK FOR SI	1 Rem Joes the GO /es GO Io REP, add HORT C 1 Disc 2 Mea Pin 08 s the re /es GO Io REP, Pin 08 s the re /es GO Io REP, HORT C HORT C	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power e horn stop? to C2. AIR the short circuit to power in the circuitional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side esistance greater than 100 Kohms? to C3. AIR the short circuit. For additional inform	EMBLY CIRCU distribution fus it between the guides. Refit th PDB CIRCUIT	IT se box). front power distribution fuse box and the horn. For ne relay, test for normal operation. Battery Negative terminal the electrical guides. Test for normal operation.
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI C2: CHECK FOR SI I C3: CHECK FOR SI	1 Rem Joes the GO /es GO /lo REP. add HORT C 1 Disc 2 Mea 'in 08 s the re 'es GO Io REP. HORT C GO Io Disc Io REP. HORT C GO Io REP. HORT C GO	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power e horn stop? to C2. AIR the short circuit to power in the circuitional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side esistance greater than 100 Kohms? to C3. AIR the short circuit. For additional inform CIRCUIT TO GROUND IN THE HORN SM connect the instrument cluster connector,	EMBLY CIRCU distribution fus it between the guides. Refit th PDB CIRCUIT DB CIRCUIT	IT se box). front power distribution fuse box and the horn. For ne relay, test for normal operation. Battery Negative terminal the electrical guides. Test for normal operation. FRUMENT CLUSTER CIRCUIT
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI C2: CHECK FOR SI I C3: CHECK FOR SI	1 Rem Joes the GO /es GO /lo REP. add HORT C 1 Disc 2 Mea 'in 08 s the re 'es GO Io REP. HORT C GO Io Disc Io REP. HORT C GO Io REP. HORT C GO	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power e horn stop? to C2. AIR the short circuit to power in the circuitional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side esistance greater than 100 Kohms? to C3. AIR the short circuit. For additional inform CIRCUIT TO GROUND IN THE HORN SW	EMBLY CIRCU distribution fus it between the guides. Refit th PDB CIRCUIT DB CIRCUIT	IT se box). front power distribution fuse box and the horn. For ne relay, test for normal operation. Battery Negative terminal the electrical guides. Test for normal operation. FRUMENT CLUSTER CIRCUIT
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI C2: CHECK FOR SI C3: CHECK FOR SI	1 Rem Joes the GO /es GO /lo REP. add HORT C 1 Disc 2 Mea 'in 08 s the re 'es GO Io REP. HORT C GO Io Disc Io REP. HORT C GO Io REP. HORT C GO	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power e horn stop? to C2. AIR the short circuit to power in the circu itional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side resistance greater than 100 Kohms? to C3. AIR the short circuit. For additional inform CIRCUIT TO GROUND IN THE HORN SM connect the instrument cluster connector, hout presssing the horn switch, measure	EMBLY CIRCU distribution fue it between the guides. Refit th PDB CIRCUIT PDB CIRCUIT FCB. TFC8. the resistance	IT se box). front power distribution fuse box and the horn. For ne relay, test for normal operation. Battery Negative terminal the electrical guides. Test for normal operation. FRUMENT CLUSTER CIRCUIT
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI C2: CHECK FOR SI C3: CHECK FOR SI F C3: CHECK FOR SI	1 Rem Joes the GO Joes the GO Joes the REP add HORT C 1 Disc 2 Mea 2 Mea 2 Mea 0 REP 400 GO 10 Disc 10 REP 400 REP 400 REP 10 Disc 2 Witl 2 Witl 9 S the re	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power e horn stop? to C2. AIR the short circuit to power in the circu itional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side resistance greater than 100 Kohms? to C3. AIR the short circuit. For additional inform CIRCUIT TO GROUND IN THE HORN SM connect the instrument cluster connector, hout presssing the horn switch, measure	EMBLY CIRCU distribution fue it between the guides. Refit th PDB CIRCUIT PDB CIRCUIT FCB. TFC8. the resistance	IT se box). front power distribution fuse box and the horn. For he relay, test for normal operation. Battery Negative terminal the electrical guides. Test for normal operation. FRUMENT CLUSTER CIRCUIT between: Battery
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI C2: CHECK FOR SI C3: CHECK FOR SI F C3: CHECK FOR SI F C3: CHECK FOR SI	1 Rem Joes the GO /es GO /lo REP. addit HORT C 1 Disc 2 Mea Pin 08 s the re /ein 08 GO Io REP. Pin 08 s the re 2 GO Io REP. Pin 08 S the re 2 GO Io REP. HORT C 1 Disc GO Io REP. HORT O 1 Disc GO Io REP. HORT O 1 Disc GO S the re CHE	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power e horn stop? to C2. AIR the short circuit to power in the circu itional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side resistance greater than 100 Kohms? to C3. AIR the short circuit. For additional inform CIRCUIT TO GROUND IN THE HORN SM connect the instrument cluster connector, hout presssing the horn switch, measure FC8, harness side	EMBLY CIRCU distribution fue it between the guides. Refit th PDB CIRCUIT DB CIRCUIT FC8. the resistance	IT se box). front power distribution fuse box and the horn. For me relay, test for normal operation. Battery Negative terminal the electrical guides. Test for normal operation. FRUMENT CLUSTER CIRCUIT between: Battery egative terminal
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI C2: CHECK FOR SI C3: CHECK FOR SI F C3: CHECK FOR SI F C3: CHECK FOR SI	1 Rem Joes the GO /es GO /lo REP. add HORT (C) 1 Disc 2 Mea Prin 08 s the re // Constant GO Prin 08 s the re 2 GO 10 Disc 2 Mea Prin 08 s the re // Constant GO 10 REP 10 Disc 2 With Prin 09 s the re /es CHE 10 CHE	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power e horn stop? to C2. AIR the short circuit to power in the circuitional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side esistance greater than 100 Kohms? to C3. AIR the short circuit. For additional inform CIRCUIT TO GROUND IN THE HORN SM connect the instrument cluster connector, hout pressing the horn switch, measure FC8, harness side	EMBLY CIRCU distribution fue it between the guides. Refit th PDB CIRCUIT DB CIRCUIT FC8. the resistance	IT se box). front power distribution fuse box and the horn. For me relay, test for normal operation. Battery Negative terminal the electrical guides. Test for normal operation. FRUMENT CLUSTER CIRCUIT between: Battery egative terminal
CONDITIONS C1: CHECK FOR SI Y C2: CHECK FOR SI C2: CHECK FOR SI C3: CHECK FOR SI F C3: CHECK FOR SI F C3: CHECK FOR SI	1 Rem loces the loces the loces the loces the REP addi HORT (1 Disc 2 Mea Prin 08 s the re loces GO HORT (1 Disc 2 Mea Prin 08 s the re loces CHE loces CHE	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power a horn stop? to C2. AIR the short circuit to power in the circuitional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side resistance greater than 100 Kohms? to C3. AIR the short circuit. For additional inform CIRCUIT TO GROUND IN THE HORN SM connect the instrument cluster connector, hout presssing the horn switch, measure FC8, harness side resistance greater than 100 Kohms? CK for DTCs indicating an instrument clust	EMBLY CIRCU distribution fue it between the guides. Refit th PDB CIRCUIT DB CIRCUIT FC8. The resistance N ster, front elect	IT se box). front power distribution fuse box and the horn. For me relay, test for normal operation. Battery Negative terminal the electrical guides. Test for normal operation. FRUMENT CLUSTER CIRCUIT between: Battery egative terminal
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI C2: CHECK FOR SI C3: CHECK FOR SI C3: CHECK FOR SI C4: CHECK THE H	1 Rem locs the locs the locs the locs add HORT (1 Disc 2 Mea Pin 08 s the re locs REP 1 Disc 2 Mea Pin 08 s the re locs 1 Disc 2 Mea Pin 08 s the re locs CHE locs	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power a horn stop? to C2. AIR the short circuit to power in the circuitional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side sistance greater than 100 Kohms? to C3. AIR the short circuit. For additional inform CIRCUIT TO GROUND IN THE HORN SM connect the instrument cluster connector, hout pressing the horn switch, measure FC8, harness side sistance greater than 100 Kohms? CK for DTCs indicating an instrument clust to C4.	EMBLY CIRCU distribution fue it between the guides. Refit th PDB CIRCUIT DB CIRCUIT FC8. The resistance N ster, front elect	IT se box). front power distribution fuse box and the horn. For me relay, test for normal operation. Battery Negative terminal the electrical guides. Test for normal operation. FRUMENT CLUSTER CIRCUIT between: Battery egative terminal
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI C2: CHECK FOR SI C3: CHECK FOR SI C3: CHECK FOR SI C4: CHECK THE H	1 Rem Joes the GO Joes the GO Joes the REP add HORT C 1 Disc 2 Mea Prin 08 s the re s the re GO Io REP Io O Pin 08 s the re s the re GO Io REP Josc GO Pin 09 s the re res CHE Join 09 S the re GO GO ORN SU ONN SU Joisc Disc	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power a horn stop? to C2. AIR the short circuit to power in the circuitional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side sistance greater than 100 Kohms? to C3. AIR the short circuit. For additional inform CIRCUIT TO GROUND IN THE HORN SM connect the instrument cluster connector, hout pressing the horn switch, measure FC8, harness side sistance greater than 100 Kohms? CK for DTCs indicating an instrument clust to C4. MITCH OPERATION AFTER THE CLOCK	EMBLY CIRCU distribution fue it between the guides. Refit th PDB CIRCUIT DB CIRCUIT FC8. The resistance N ster, front elect	IT se box). front power distribution fuse box and the horn. For me relay, test for normal operation. Battery Negative terminal the electrical guides. Test for normal operation. FRUMENT CLUSTER CIRCUIT between: Battery egative terminal
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI C2: CHECK FOR SI C3: CHECK FOR SI C3: CHECK FOR SI C4: CHECK THE H	1 Rem Joes the GO Joes the GO Joes the REP add HORT C 1 Disc 2 Mea Pin 08 s the re res GO Jo REP Pin 08 s the re GO REP HORT C 1 Disc GO Jo REP HORT C 1 Disc GO Pin 09 s the re res CHE Jo GO ORN SV GO 1 Disc 2 Disc 2 Disc	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power a horn stop? to C2. AIR the short circuit to power in the circuitional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side sistance greater than 100 Kohms? to C3. AIR the short circuit. For additional inform CIRCUIT TO GROUND IN THE HORN SM connect the instrument cluster connector, hout pressing the horn switch, measure FC8, harness side sistance greater than 100 Kohms? cK for DTCs indicating an instrument clust to C4. MITCH OPERATION AFTER THE CLOCK	EMBLY CIRCU distribution fue it between the guides. Refit th PDB CIRCUIT DB CIRCUIT FC8. The resistance N ster, front elect	IT se box). front power distribution fuse box and the horn. For me relay, test for normal operation. Battery Negative terminal the electrical guides. Test for normal operation. FRUMENT CLUSTER CIRCUIT between: Battery egative terminal
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI C2: CHECK FOR SI C3: CHECK FOR SI C3: CHECK FOR SI C4: CHECK THE H	1 Rem Joes the GO Joes the GO Joes the REP add HORT C 1 Disc 2 Mea Pin 08 s the re res GO Io REP Pin 08 s the re GO REP HORT C 1 Disc GO Io REP HORT C 1 Disc GO Pin 09 s the re res CHE Io GO ORN SV 1 Disc 2 Disc 2	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power a horn stop? to C2. AIR the short circuit to power in the circuitional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side resistance greater than 100 Kohms? to C3. AIR the short circuit. For additional inform CIRCUIT TO GROUND IN THE HORN SM connect the instrument cluster connector, hout pressing the horn switch, measure FC8, harness side resistance greater than 100 Kohms? CK for DTCs indicating an instrument clust to C4. MITCH OPERATION AFTER THE CLOCK connect the battery negative terminal. connect the clockspring connector, FC117.	EMBLY CIRCU distribution fue it between the guides. Refit th PDB CIRCUIT DB CIRCUIT FC8. The resistance N ster, front elect	IT se box). front power distribution fuse box and the horn. For me relay, test for normal operation. Battery Negative terminal the electrical guides. Test for normal operation. FRUMENT CLUSTER CIRCUIT between: Battery egative terminal
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI C2: CHECK FOR SI C3: CHECK FOR SI C4: CHECK THE H	1 Rem Joes the GO Joes the GO Joes the REP add HORT C 1 Disc 2 Mea Pin 08 s the re res GO Io REP Pin 08 s the re GO REP HORT C 1 Disc GO Io REP HORT C 1 Disc GO Pin 09 s the re res CHE Io GO ORN SV 1 Disc 2 Disc 2	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power a horn stop? to C2. AIR the short circuit to power in the circuitional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side resistance greater than 100 Kohms? to C3. AIR the short circuit. For additional inform CIRCUIT TO GROUND IN THE HORN SM connect the instrument cluster connector, hout pressing the horn switch, measure FC8, harness side resistance greater than 100 Kohms? CK for DTCs indicating an instrument clust to C4. MITCH OPERATION AFTER THE CLOCK connect the battery negative terminal. connect the clockspring connector, FC117. nect an ohmmeter between:	EMBLY CIRCU distribution fue it between the guides. Refit th PDB CIRCUIT DB CIRCUIT FC8. the resistance N ster, front elect SPRING	IT see box). front power distribution fuse box and the horn. For ne relay, test for normal operation. Battery Negative terminal the electrical guides. Test for normal operation. FRUMENT CLUSTER CIRCUIT between: Battery egative terminal ronic module or SCP network fault.
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI C2: CHECK FOR SI C3: CHECK FOR SI C4: CHECK THE H	1 Rem Joes the GO Joes the GO Joes the REP add HORT C 1 Disc 2 Mea Pin 08 s the re re GO I Disc 2 Mea Pin 08 s the re res GO I Disc 2 With Pin 09 s the re res CHE I Disc 2 With Pin 09 s the re GO GO ORN SV GO 1 Disc 2 Disc 3 Con Pin 06 GO	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power a horn stop? to C2. AIR the short circuit to power in the circuitional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side resistance greater than 100 Kohms? to C3. AIR the short circuit. For additional inform CIRCUIT TO GROUND IN THE HORN SM connect the instrument cluster connector, hout pressing the horn switch, measure FC8, harness side resistance greater than 100 Kohms? CK for DTCs indicating an instrument clust to C4. MITCH OPERATION AFTER THE CLOCK connect the battery negative terminal. connect the clockspring connector, FC117. nect an ohmmeter between:	EMBLY CIRCU distribution fue it between the guides. Refit th PDB CIRCUIT DB CIRCUIT FC8. the resistance SPRING	IT se box). front power distribution fuse box and the horn. For he relay, test for normal operation. Battery Negative terminal the electrical guides. Test for normal operation. TRUMENT CLUSTER CIRCUIT between: Battery egative terminal ronic module or SCP network fault. FC117, component side
CONDITIONS C1: CHECK FOR SI C2: CHECK FOR SI C2: CHECK FOR SI C3: CHECK FOR SI C4: CHECK THE H	1 Rem Joes the GO Joes the GO Joes the REP addit HORT C 1 Disc 2 Mea Prin 08 s the re res GO HORT C 1 Pin 08 s the re res GO HORT C 1 Disc 2 Viti 09 s the re res CHE 00 GO ORN SV 1 1 Disc 2 Disc 2 Disc 3 Con Prin 06 0	CIRCUIT TO POWER IN THE HORN ASS nove the horn relay (relay 12, front power a horn stop? to C2. AIR the short circuit to power in the circuitional information, refer to the electrical CIRCUIT TO GROUND IN THE FEM TO F connect the FEM connector, FH59. sure the resistance between: FH59, harness side resistance greater than 100 Kohms? to C3. AIR the short circuit. For additional inform CIRCUIT TO GROUND IN THE HORN SM connect the instrument cluster connector, hout pressing the horn switch, measure FC8, harness side resistance greater than 100 Kohms? CK for DTCs indicating an instrument clust to C4. MITCH OPERATION AFTER THE CLOCK connect the battery negative terminal. connect the clockspring connector, FC117. nect an ohmmeter between: FC117, component side	EMBLY CIRCU distribution fus it between the guides. Refit th PDB CIRCUIT PDB CIRCUIT FC8. the resistance SPRING Eter, front elect SPRING Pin ter reading.	IT se box). front power distribution fuse box and the horn. For he relay, test for normal operation. Battery Negative terminal the electrical guides. Test for normal operation. TRUMENT CLUSTER CIRCUIT between: Battery egative terminal ronic module or SCP network fault. FC117, component side