



To All Lamborghini Dealers and Licensed Service Point
From Customer Service Department
Subject Recall Campaign –Fuel Tank replacement Murciélago coupè
Group
Date 21/05/10
Pages 34

Subject

Recall Campaign –Fuel Tank replacement

Model

All Lamborghini Murcièlago Coupè and Murcièlago Roadster (version LP640) MY 2007 and 2008 from VIN 7LA01805 to VIN 8LA03237

Warning: some vehicles included in this VIN range may not be affected, so check carefully on the Lamborghini WEB Portal (at the VIN Info section) whether the cars in your workshop or in your eventual stock are affected before performing any other operation.

Here below the intervention priority

- Vehicle in customer possession, priority I
- Vehicles in Dealer possession , priority 2

Information to the field

As a continuous product monitoring, Automobili Lamborghini Spa has found that, in rare cases, welds holding the fuel pump support inside the fuel tank could detach and this situation may result in a slow fuel leak.

The customers of the affected vehicles will be directly contacted by Automobili Lamborghini (see the attached letter).

All Dealers and Service Points must contact proactively all their customers and fix appointments to perform the repair avoiding any delays.

Every Dealer is responsible to perform the Recall Campaign on the cars in its possession before customer delivery.

Field solution

Replacement of the fuel tank.

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Spare Parts

P/N	Descrizione	Q
0R1470200	Fuel tank Kit	1
	Kit composition :	
	1. Fuel tank completed with pump	(Q. 1)
	2. Insulation (600 x 30 x 5 mm)	(Q. 5)
	3. Insulation (110 x 65 x 15 mm)	(Q. 1)

Replaced tank management

The replaced tanks have to be stored with care and tagged with the proper label.

The tank can be scrapped only with approval of the Service Area Manager of reference and at his presence.

Warranty Claim data

The warranty reimbursement request for this rework action will be managed by the following standard Warranty Claim procedures.

Campaign Code: L824-R.01.10; L825-R.01.10
Campaign Description: Fuel Tank replacement.
Cost Code: 60
Component Code: CCR0110
Trouble Code: 220
Labour Code: CCR0110100
Labour Time: 7 h

Remember to fill all data in the section "Service and Recall Campaign" in the Warranty booklet of the vehicle as shown below.

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Campagne service assistenza e campagne di richiamo / Service- und Rückrufaktion / Service and Recall Campaign
Service et campagne de rappel / Campaña de Servicio y Llamada a Taller

Servizio/Service
Servicio/Service
Service

☐

Richiamo/Rückruf
Recall/Rappel
Llamada a Taller

☐

Numero/Nummer
Número/Numéro
Número

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Data/Datum/Date/Dat/Fecha

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Data riparazione/Réparation/datum
Repair Data/Data de réparation
Fecha reparación

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Eseguito dal Concessionario / Ausgeführt von der Vertragswerkstatt / Done by the Dealer
Effectué par le concessionnaire / Efectuada por el Concesionario

Firma / Unterschrift / Signature / Signatura / Firma

Servizio/Service
Servicio/Service
Service

☐

Richiamo/Rückruf
Recall/Rappel
Llamada a Taller

☐

Numero/Nummer
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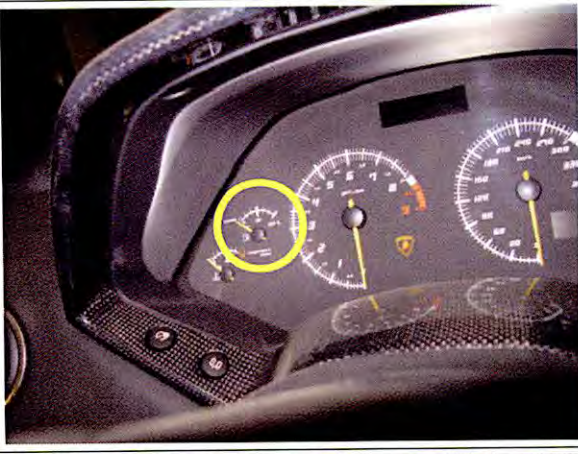
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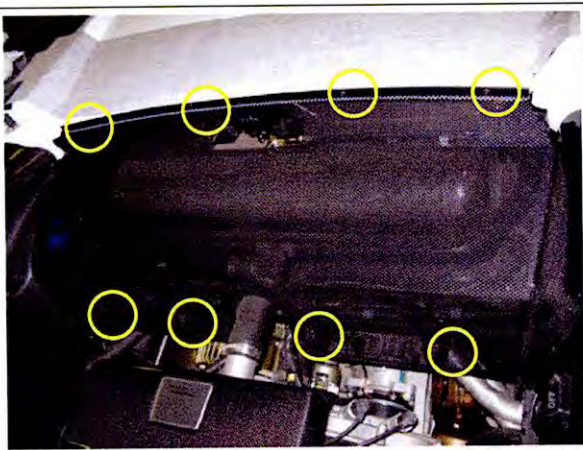
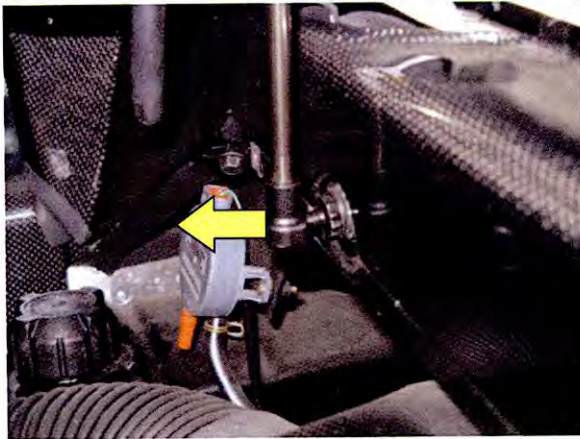


Description of required procedures

1	Wait until the vehicle has cooled down completely. WARNING!!! - This procedure involves contact with flammable fluids. If these fluids contact any hot area of the vehicle, a fire may result. - Protect the body of the vehicle in the area around the engine bay to prevent damage .
2	In order to perform these operations, the vehicle must be serviced at a work station with a lift.
3	Turn the key to ON position and check the fuel gauge. This information is used to determine the capacity of the container you will need when you empty the fuel tank. 
4	Move the battery switch to the OFF position. 

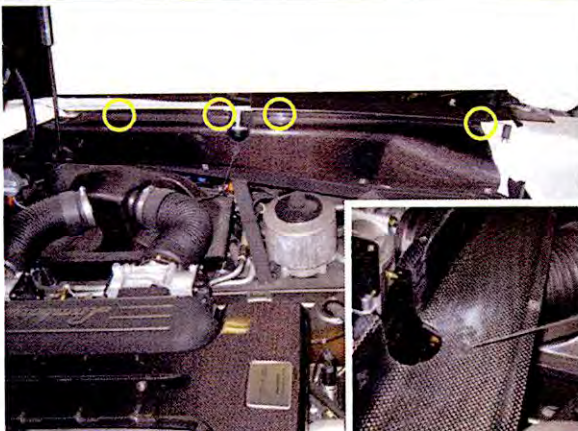
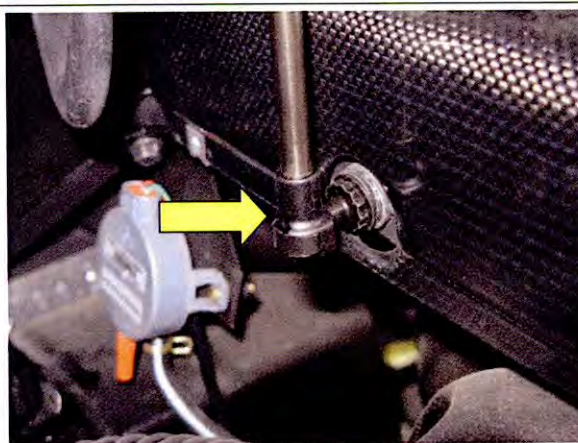
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5	Unscrew the 8 screws shown in the picture and remove the safety grille from the silencer.	
6	Before disconnecting the right-hand gas spring that supports the engine hood, have another person hold up the hood to avoid being crushed. WARNING!!! Do not attempt to support the hood with a single gas spring. The hood may fall and you may be crushed.	
7	Release the end of the right-hand gas spring to permit the removal of the upper section of the right-hand aesthetic panel in the engine bay.	

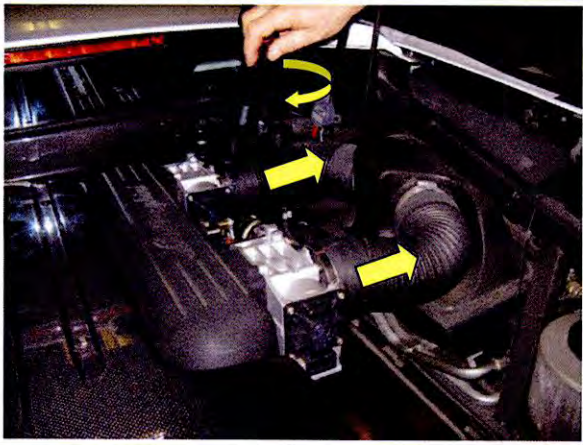
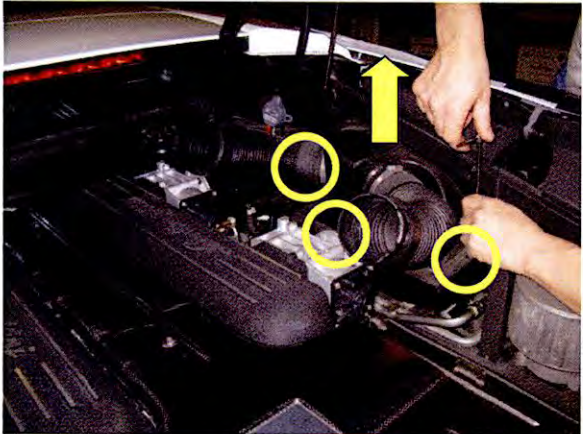
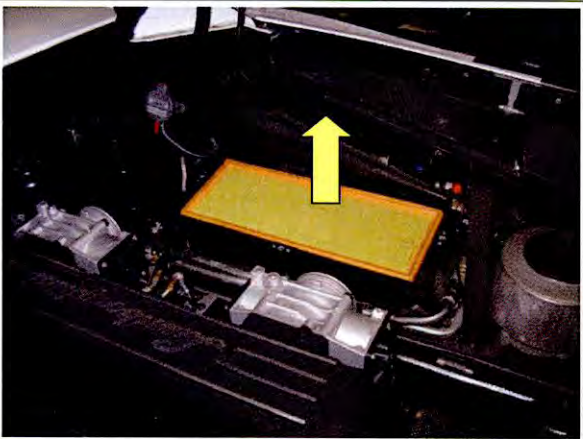
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8	Unscrew the 5 screws shown in the picture and remove the lower section of the right-hand aesthetic panel from the engine bay.	
9	Unscrew the 4 screws shown in the picture and remove the upper section of the right-hand aesthetic panel from the engine bay. Carefully pull out the emergency release cable for the fuel filler door from the hole, as shown in the close-up.	
10	Reinstall the end of the gas spring that was previously released. After making sure that the gas spring is properly attached, the person supporting the engine hood may now release it.	

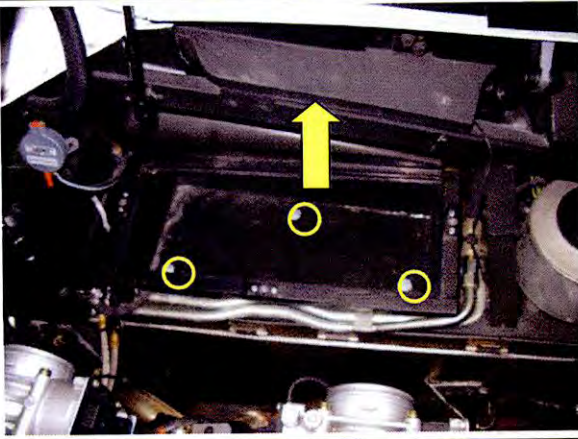
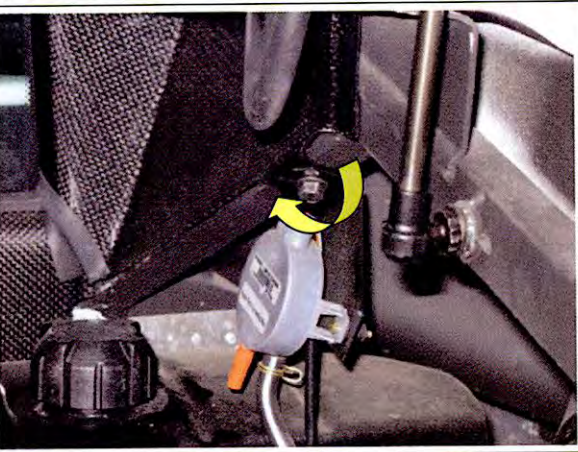
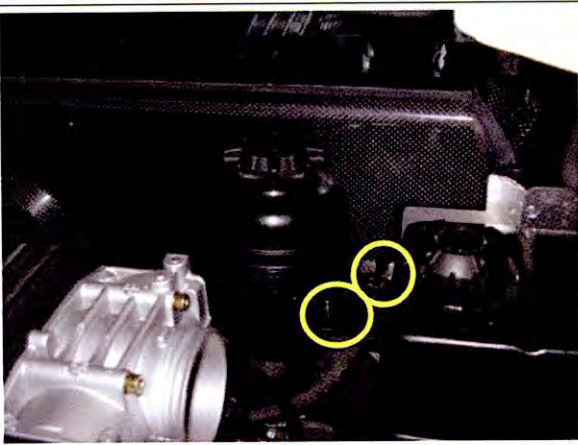
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11	Loosen the clamps and remove the 2 air intake hoses from the throttle bodies on the right cylinder bank.	 A close-up photograph of the engine's right cylinder bank. A hand is shown using a screwdriver to loosen a clamp on a black air intake hose. Two yellow arrows point to the clamps on the hoses.
12	Unscrew the 3 screws shown in the picture and remove the cover over the right-hand air filter.	 A photograph of the engine's right cylinder bank. A hand is shown unscrewing a screw from a black cover. Three yellow circles highlight the screws to be removed, and a yellow arrow points upwards towards the cover.
13	Remove the air filter.	 A photograph of the engine's right cylinder bank. A yellow rectangular air filter is shown being removed from its housing. A yellow arrow points upwards towards the filter.

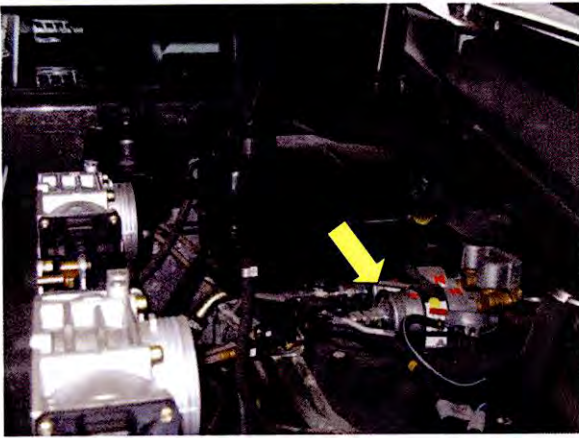
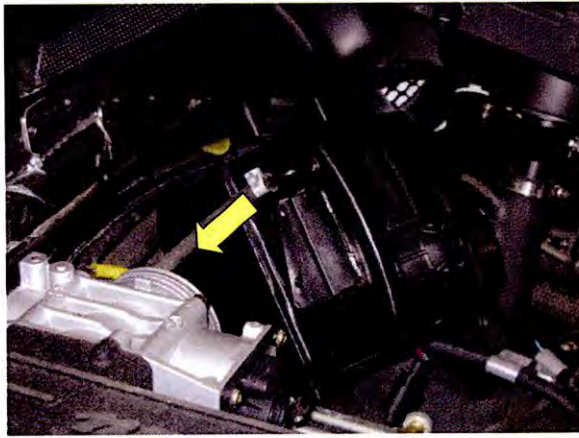
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14	Unscrew the 3 screws shown in the picture and remove the air filter support.	
15	Loosen the screw and detach the purge valve sensor with bracket.	
16	Loosen the e-gear fluid reservoir (if installed) after unscrewing the 2 mounting screws.	

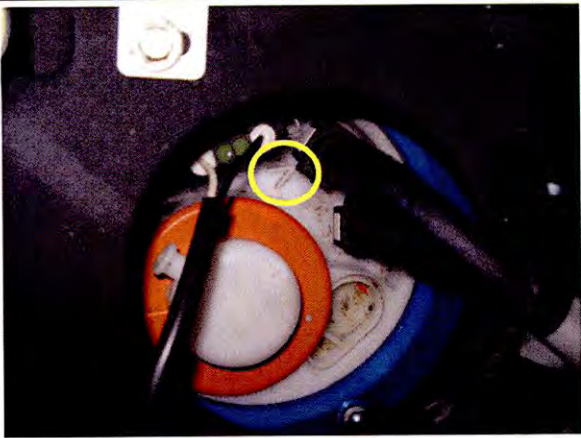
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17	Release the coolant tank after unscrewing the mounting screw.	 A photograph of the engine compartment showing the coolant tank. A yellow arrow points to the mounting screw that needs to be unscrewed to release the tank.
18	Disconnect the breather tube from the coolant tank after loosening the clamp. Plug the tube and place the tank in a position that prevents the coolant from escaping.	 A photograph of the engine compartment showing the breather tube being disconnected from the coolant tank. A yellow arrow points to the clamp that needs to be loosened.
19	Remove the 2 mounting nuts on the sides of the fuel filters.	 A photograph of the engine compartment showing the fuel filters. Two yellow dashed circles highlight the mounting nuts on the sides of the fuel filters that need to be removed.

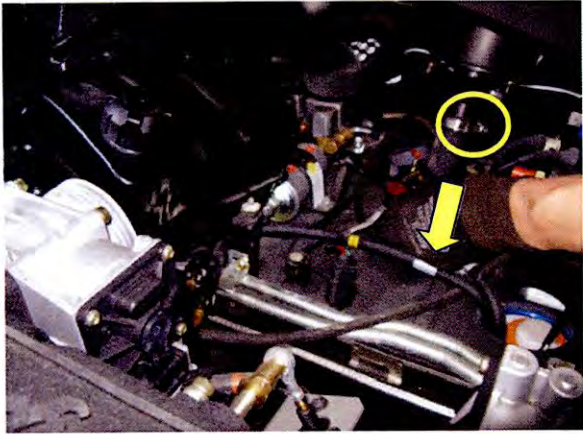
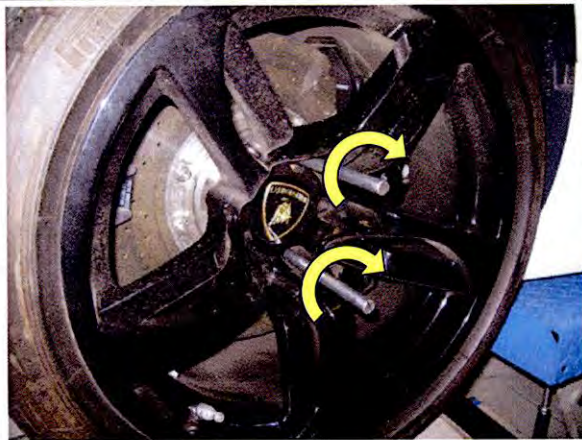
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20	Using adhesive tape, mark the delivery line on each fuel pump (identified by a "V" symbol on the pump) for use as a reference during assembly.	
21	Disconnect the delivery line, return line and connector from each fuel pump. WARNING!!! Be careful of residual fuel that may remain inside the fuel lines. Use suitable methods to prevent the fuel from spilling.	
22	Loosen the lower mounting clamp on the fuel filler hose.	

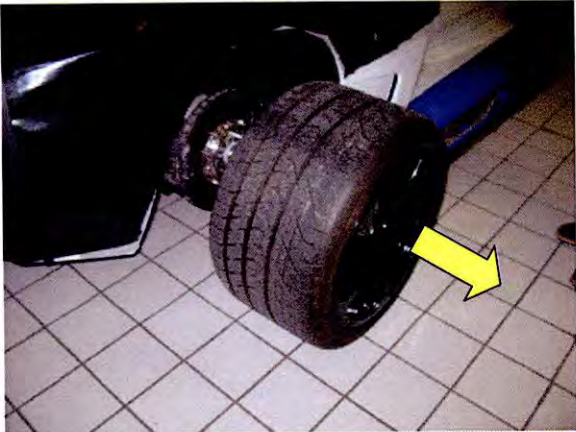
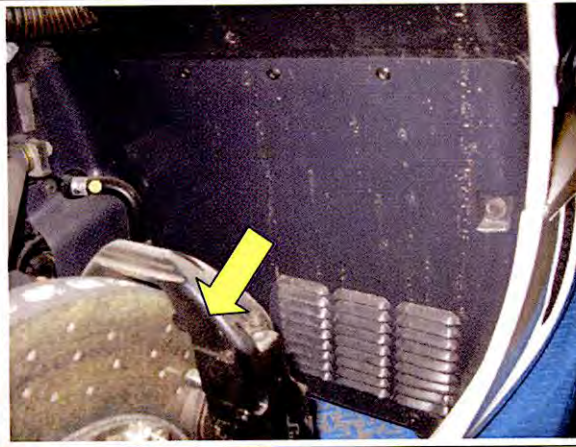
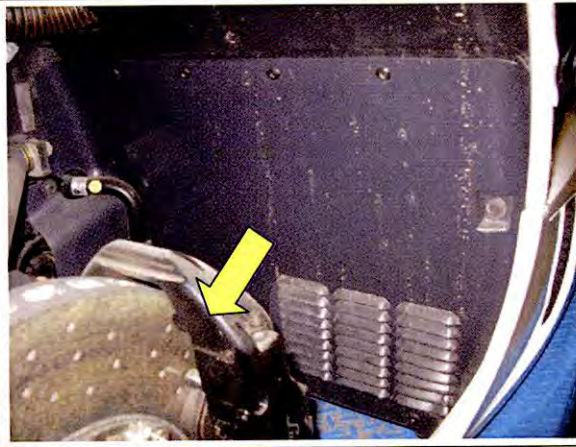
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23	Loosen the upper mounting clamp on the fuel filler hose. Remove the fuel filler hose.	
24	Raise the vehicle until the tyres are off the floor.	
25	Remove the rear wheels as follows:	
26	Unscrew 2 non-adjacent stud bolts.	
27	Install and tighten the centering pins (see the workshop manual, Chap. 000200 – 1e)	

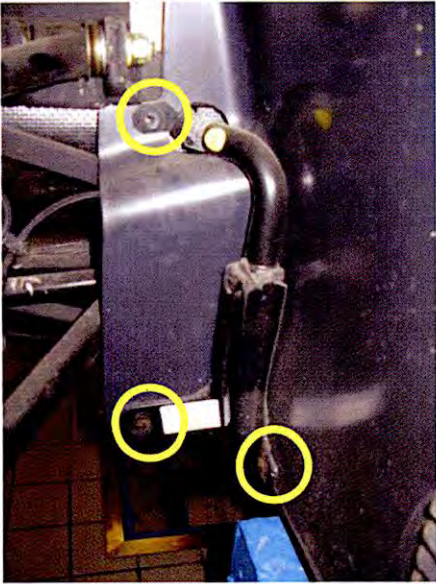
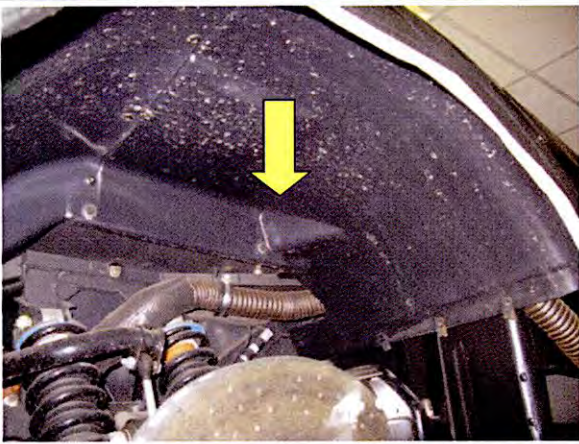
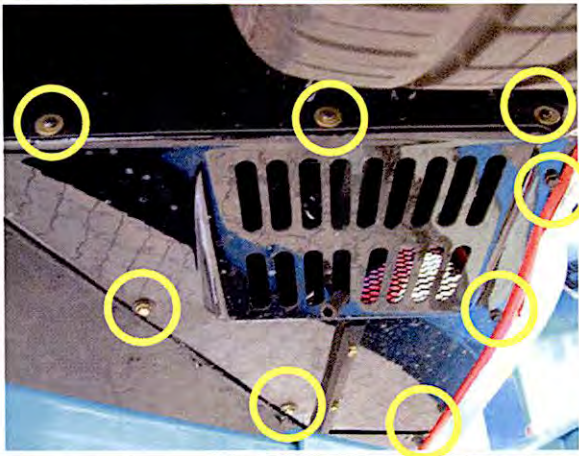
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28	Remove the 3 remaining stud bolts. Remove the wheel (be careful: the wheel is heavy). Remove the centering pins.	 A photograph showing a black wheel with a tire being removed from a vehicle. A yellow arrow points to the center of the wheel, indicating the removal of the centering pins.
29	Raise the vehicle higher to make it easier to work under the right wheel arch.	 A photograph showing the rear section of the right rear stone guard. A yellow arrow points to the front section of the guard, indicating the removal of the 10 mounting screws.
30	Unscrew the 10 mounting screws and remove the front section of the right rear stone guard. WARNING!!! During removal, be careful of possible crushing between the wheel arch and the stone guard.	 A photograph showing the front section of the right rear stone guard being removed. A yellow arrow points to the front section of the guard, indicating the removal of the 10 mounting screws.

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31	When the front section of the right rear stone guard is removed, the air intake on the oxygen sensor will also be removed, since it shares 3 of the 10 mounting screws referred to above.	
32	Unscrew the 6 mounting screws and remove the centre section of the right rear stone guard.	
33	Remove the right rear lateral aerodynamic floor, which is attached by 8 screws.	

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34	Place a container of adequate size under the fuel tank drain plug. WARNING!!! FIRE HAZARD Before removing the fuel tank drain plug, make sure there is nothing near the vehicle that can generate sparks. Also, be sure the area is properly ventilated.	
35	Remove the fuel tank drain plug and wait until the tank is completely empty. Replace the drain plug.	
36	Unscrew the 2 mounting screws and remove the handbrake caliper from the disc brake.	

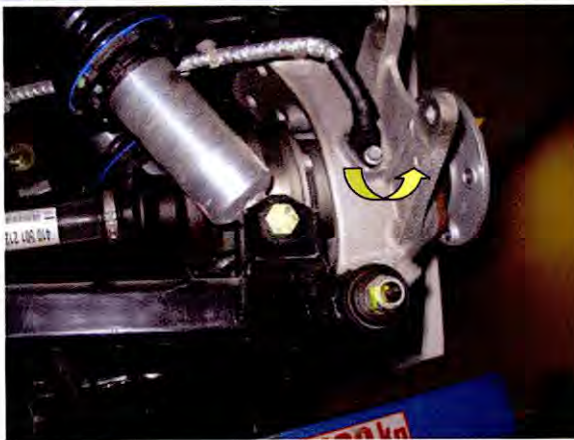
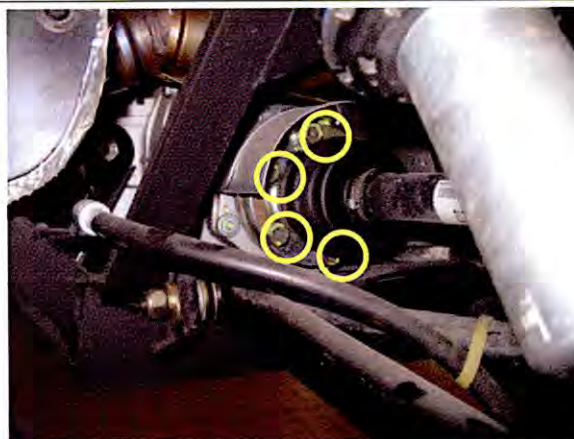
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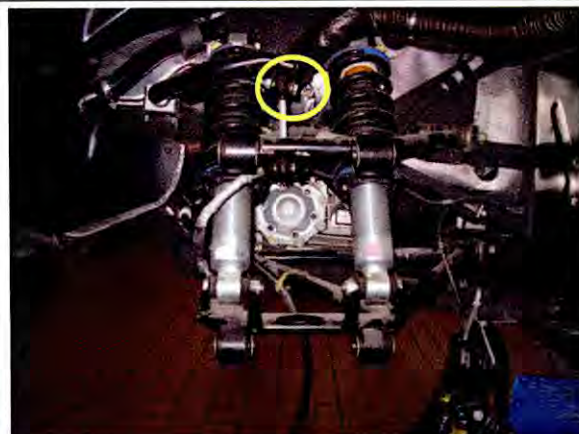
37	Pull out and disconnect the connector on the warning light switch for the right rear brake pad.	
38	To prevent the connections from falling and being damaged, support the right rear brake caliper. Now, unscrew the 2 mounting screws and detach the caliper.	
39	Fasten the caliper to the chassis using clamp strips that are large enough to prevent the brake hose from being damaged.	

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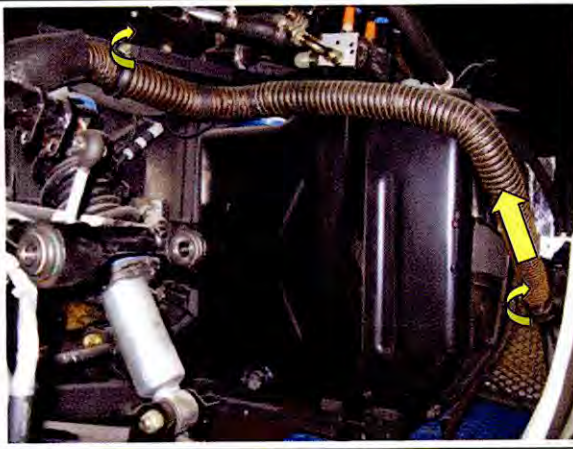
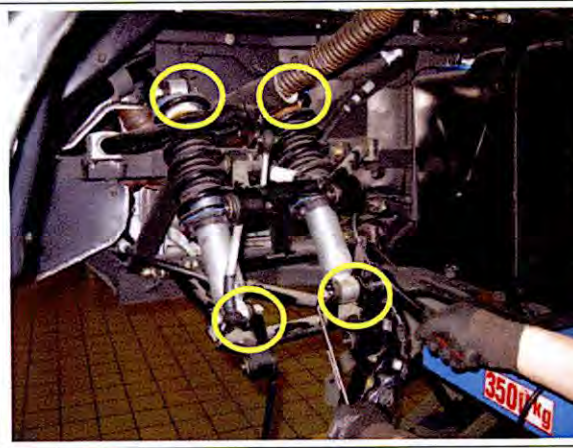
40	Remove the disc brake by unscrewing the 3 screws. To keep the disc from falling, hold it securely before loosening the last screw.	
41	Unscrew the screw shown in the picture and remove the ABS sensor from the hub.	
42	Unscrew the 6 mounting screws and release the right rear axle shaft from the flange on the differential.	

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43	In order to remove the mounting screws from the rear axle shaft, the axle must be locked into position to prevent it from turning. Proceed as follows: • Install 2 stud bolts in the hub housing. • Use a sufficiently long tool as a lever to keep the axle from rotating and remove the screws, as shown in the picture. • Remove the stud bolts.	
44	Unscrew the nuts and remove the wheel hub mounting pins. Before removing the pins, note the arrangement of the spacing washers and use a method which enables you to re-create the same arrangement during reassembly. This operation must be carried out by 2 people so that one person can support the unit while the other person removes the pins.	
45	Detach the right and left-hand connecting rod from the torsion bar after removing the mounting screws at the top.	

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46	Loosen the clamp and disconnect the alternator cooling tube from the air intake on the right-hand side member. Remove the centre support clamp from the tube.	
47	Remove the right-rear shock absorbers after removing their upper and lower mounting hardware.	
48	Remove the earth cable after unscrewing the nut.	

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49	Disconnect the quick connector in the fuel vapor vent system.	
50	Remove the air intake on the side member after unscrewing the 4 mounting screws, which are located as follows: - 1 screw on the outside of the side member - 1 screw under the side member - 2 screws inside the side member air intake.	
51	Remove the mounting nuts on the fuel tank retainer strap.	

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52	Pull out the fuel tank. This operation must be done by two people so that the tank can be removed and lifted at the same time.	 A photograph showing the engine compartment of a vehicle. A yellow arrow points to a large, dark, rectangular fuel tank. The tank is positioned above a blue metal frame that has "3500 kg" written on it in red. Various mechanical components and hoses are visible in the background.
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Reassembly

53	Remove the lower sponges and the sponges on the fuel tank retainer straps. Thoroughly clean any residues from all surfaces. Replace the old sponges with new adhesive sponges that have been properly cut to size.	
54	Slide in the new fuel tank as far as it can go so that the grooves on the tank coincide with the retainer straps.	
55	Install the fuel tank retainer straps and tighten the mounting nuts.	

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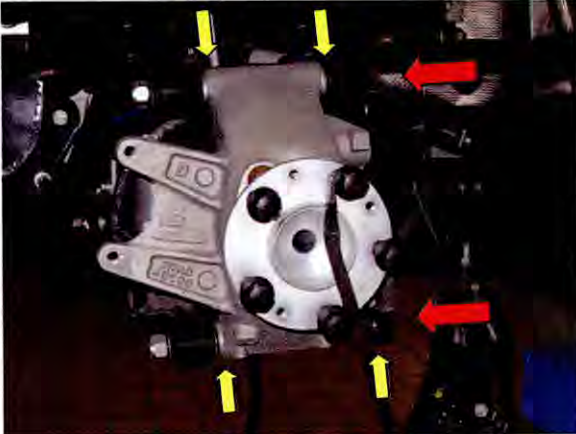
56	Using the 4 mounting screws, install the air intake on the side member. Tightening torque: 15 Nm	
57	Connect the quick connector for the fuel vapor vent system. Push the connector into its seat until it locks.	
58	Install the earth cable and tighten the nut.	

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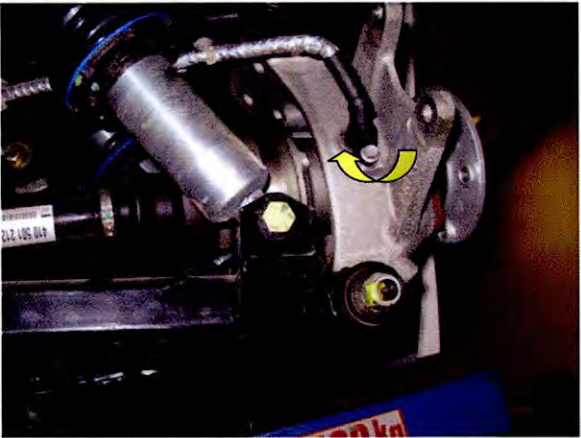
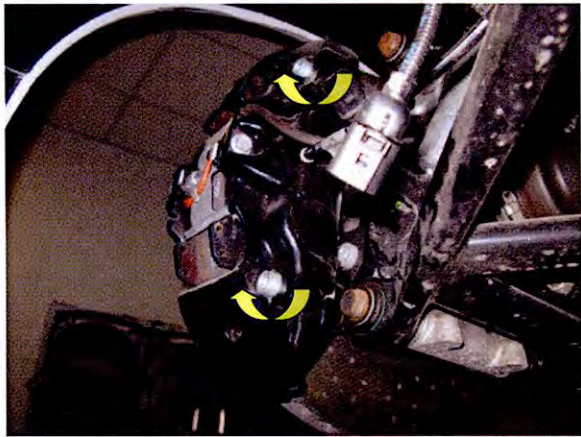
59	Re-install the right rear shock absorbers and tighten the hardware at the top and bottom. Tightening torque: 85 Nm$\pm$5%	
60	Install the alternator cooling tube onto the air intake on the right side member and tighten the clamp. Tightening torque: 5 Nm Fasten the centre support clamp for the tube. Tightening torque: 10 Nm	
61	Fasten the head of the connecting rod onto the right and left torsion bars and tighten the screws at the top. Tightening torque: 25 Nm$\pm$5%.	

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62	Insert the wheel hub mounting pins as shown by red arrows. Now, insert the spacing washers in the position and order they were in before they were removed, and fasten with the nut. Tightening torque: 140 Nm This operation must be carried out by 2 people: one person holds the hub unit while the other installs the hardware.	
63	Fasten the axle shaft to the differential flange and tighten the 6 screws. Pre-tighten all 6 screws to 15 Nm $\pm$ 3% Then, fully tighten all 6 screws to 88 Nm $\pm$ 8% When tightening the screws, the axle must be locked in position to prevent it from turning.	

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64	Install the ABS sensor on the hub and tighten the screw. Tightening torque: 9 Nm	
65	Install the disc brake and tighten the 3 screws. Tightening torque: 25 Nm	
66	Hold the brake caliper and cut the support straps. Now, install the caliper and tighten the 2 mounting screws. Tightening torque: 115 Nm$\pm$5%	

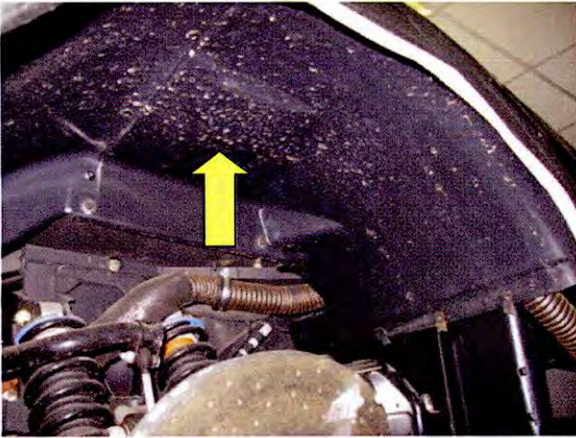
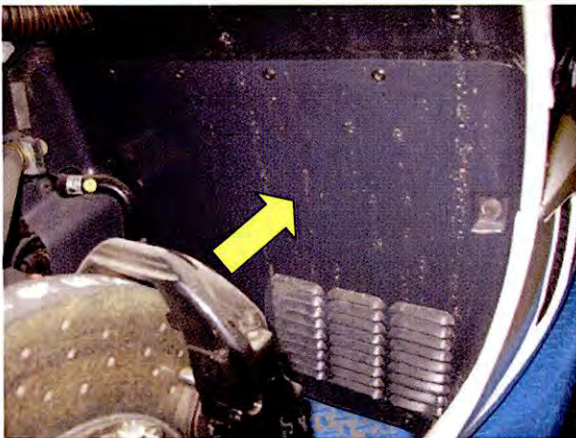
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67	Connect the connector to the warning light switch on the right rear brake pad.	
68	Install the handbrake caliper on the disc brake and tighten the 2 screws. Tightening torque: 47.5 Nm±5%	
69	Install the rear right aerodynamic floor and tighten the 8 mounting screws.	

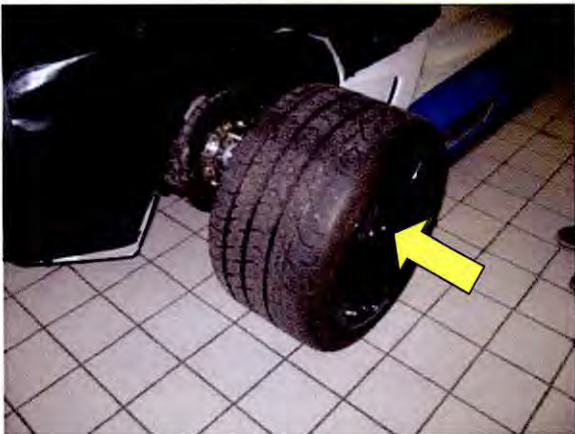
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70	Install the centre section of the right rear stone guard and tighten the 6 mounting screws.	
71	Install the front section of the right rear stone guard and tighten the 10 mounting screws. During assembly, re-install the air intake for the oxygen sensor, which shares 3 of the above 10 screws.	
72	Install and tighten wheel centering pins (see workshop manual Chap.000200-1e) into non-adjacent holes.	

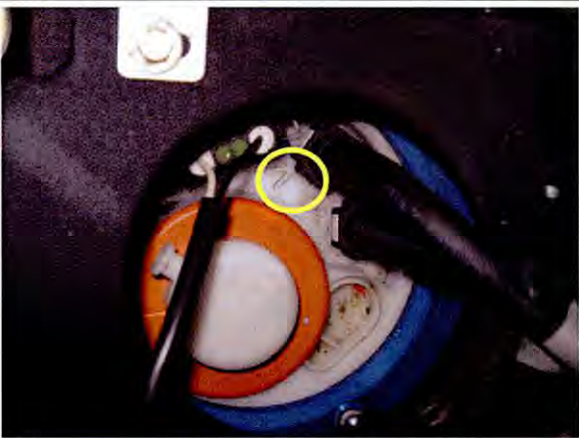
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73	Mount the wheel (be careful: the wheel is heavy).	
74	Install 3 stud bolts into the free seats. Remove the centering pins and install the 2 remaining stud bolts. Tighten the 5 stud bolts. Tightening torque: 160 Nm+5%. Install both the right and left rear wheels.	
75	Lower the vehicle.	
76	Install the fuel filler hose and tighten the upper clamp. Tightening torque: 5 Nm	

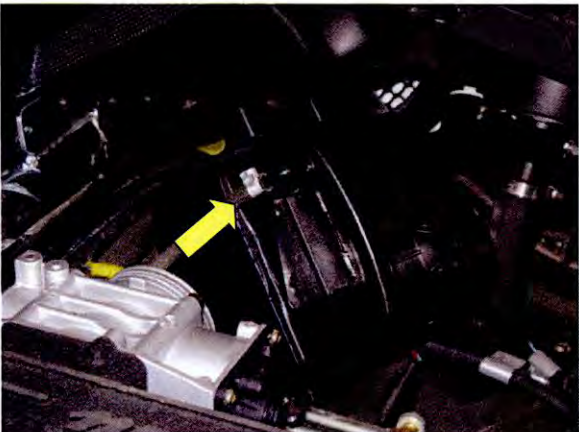
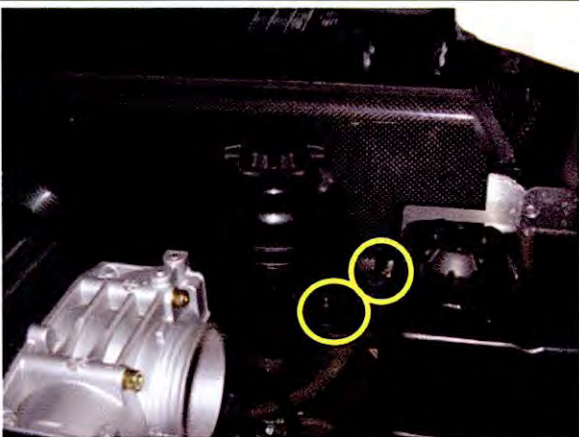
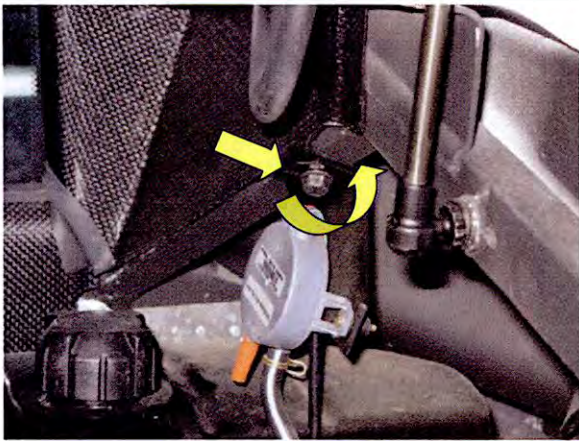
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77	Tighten the clamp to fasten the fuel filler hose to the fuel tank. Tightening torque: 5 Nm	
78	Install the fuel delivery lines (previously marked with adhesive tape) on the quick connectors marked with a "V" on the fuel pumps. Install the return lines on the pumps. Tighten the connectors.	
79	Install the fuel filters using the 2 mounting nuts. Tightening torque: 15 Nm	

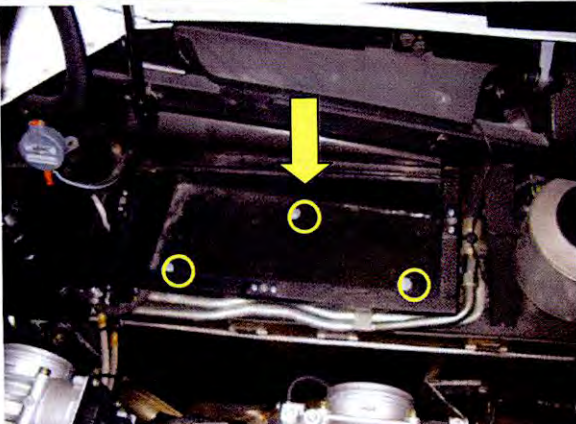
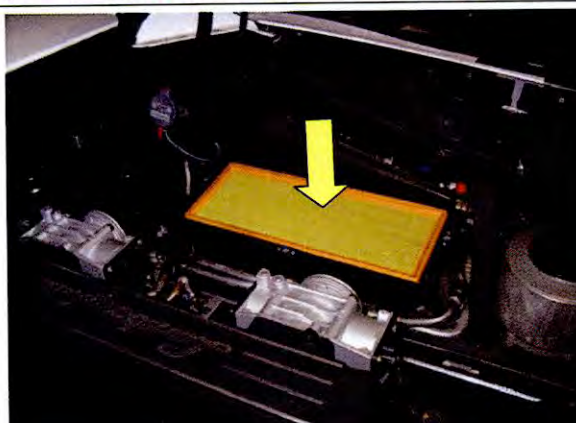
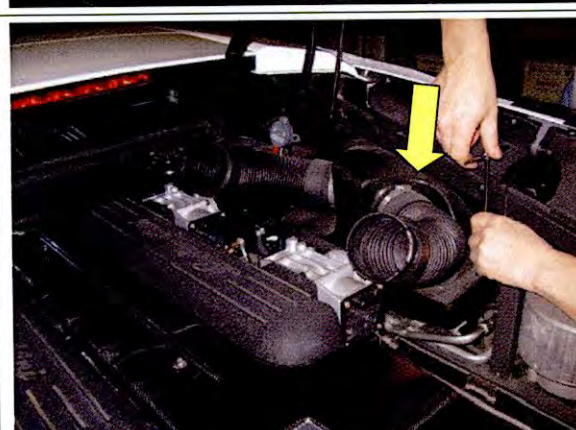
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80	Fasten the coolant tank by tightening the mounting screw. Tightening torque: 15 Nm Connect the coolant tank breather tube (after removing the plug) and tighten the clamp.	
81	Install the e-gear fluid tank (if present) and tighten the 2 mounting screws. Tightening torque: 15 Nm	
82	Position the bracket with the purge valve sensor and lock it into place by tightening the screw.	

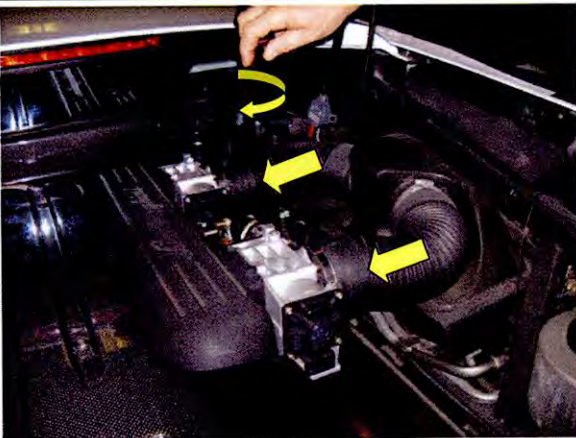
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83	Install the air filter support and tighten the 3 screws. Tightening torque: 15 Nm	 A photograph showing the engine compartment with the air filter support being installed. A yellow arrow points to the support, and three yellow circles highlight the locations of the three screws to be tightened.
84	Install the air filter.	 A photograph showing the air filter being installed into the support. A yellow arrow points to the orange air filter.
85	Install the right-hand air filter cover and tighten the 3 mounting screws. Tightening torque: 10 Nm	 A photograph showing a person's hands installing the right-hand air filter cover. A yellow arrow points to the cover.

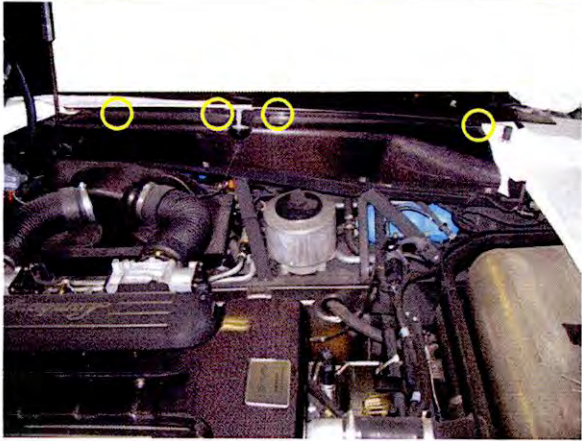
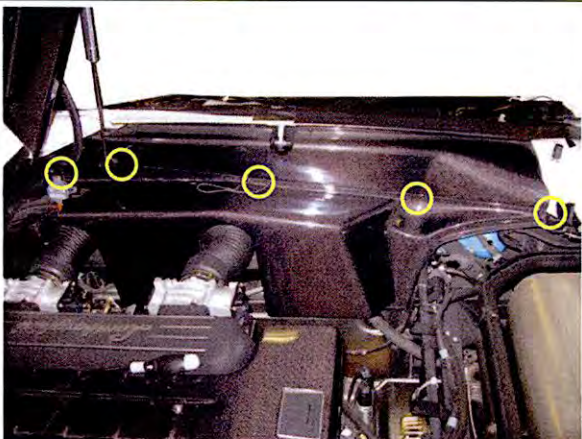
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86	Connect the 2 air intake tubes to the throttle bodies on the right cylinder bank and tighten the clamps. Tightening torque: 5 Nm	
87	Before removing the right-hand gas spring on the engine hood, make sure the hood is supported by another person to eliminate risk of being crushed. WARNING!!! Do not attempt to support the hood with a single gas spring. The hood may fall and you may be crushed.	
88	Detach the end of the right-hand gas spring on the engine hood to allow installation of the upper section of the aesthetic panel (engine bay).	

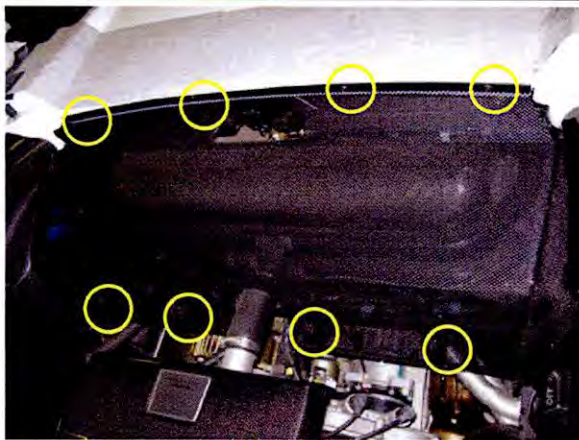
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89	Install the right-hand upper aesthetic panel in the engine bay and tighten the 4 screws. Carefully insert the emergency release cable for the fuel filler door into its hole.	
90	Reinstall the end of the gas spring that was previously detached. After making sure that the gas spring is properly attached, the person supporting the engine hood may now release it.	
91	Install the right-hand lower aesthetic panel in the engine bay and tighten the 5 screws.	

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92	Install the safety grille on the silencer and tighten the 8 screws.	
93	Pour approximately 10 litres of fuel into the tank and check for leaks.	
94	Move the battery switch to ON position.	
95	Start the engine.	
96	Check for leaks.	
97	Check the fluid level in the coolant tank.	
98	Road test	

Please contact your Area Manager for any further information.

Yours sincerely

Customer Service

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