

Service Manual: VEHICLE QUICK REFERENCE

CAPACITIES AND RECOMMENDED FLUIDS > SPECIFICATIONS > SPECIFICATIONS**ENGINE**

Description	Type	Part Number	Capacities	
			U.S.	Metric
Cooling System •				
Engine Coolant (1.4L Engine)	MOPAR® Antifreeze/Coolant 10 Year/150, 000 Mile Formula OAT (Organic Additive Technology) or equivalent meeting the requirements of Material Standard MS.90032.	1 Gallon - 68163848AA (concentrate) 68163849AA (50/50)	5.5 Quarts	5.2 Liters
Engine Coolant (1.6L Engine)	CUNA NC 956-16 ASTM D3306 9.55523	N/A	6.4 Quarts	6.1 Liters
Engine Coolant (2.0L Engine)	CUNA NC 956-16 ASTM D3306 9.55523	N/A	6.8 Quarts	6.5 Liters
Engine Coolant (2.4L Engine)	MOPAR® Antifreeze/Coolant 10 Year/150, 000 Mile Formula OAT (Organic Additive Technology) or equivalent meeting the requirements of Material Standard MS.90032.	1 Gallon - 68163848AA (concentrate) 68163849AA (50/50)	6.8 Quarts	6.5 Liters
Engine Oil with Filter				
Engine Oil - (1.4L Engine)	SAE 5W-40 API Certified Synthetic Engine Oil, meeting the requirements of Material Standard MS-12991 such as MOPAR®, Pennzoil®, and Shell Helix®. Refer to your engine oil filler cap for correct SAE grade.	N/A	4.0 Quarts	3.8 Liters
Engine Oil - (1.6L Engine)	SAE 0W-30 ACEA C2 FIAT 9.55535-DS1	N/A	5.0 Quarts	4.8 Liters
Engine Oil - (2.0L Engine)	SAE 0W-30 ACEA C2 FIAT 9.55535-DS1	N/A	4.5 Quarts	4.3 Liters
Engine Oil - (2.4L Engine)	SAE 0W-20 API Certified Engine Oil, meeting the	N/A	5.5 Quarts	5.2 Liters

	requirements of Material Standard MS-6395 such as MOPAR®, Pennzoil®, and Shell Helix®. Refer to your engine oil filler cap for correct SAE grade.			
Engine Oil Filter (1.4L Engine)	MOPAR® Engine Oil Filter	68102241AA	N/A	N/A
Engine Oil Filter (1.6L Engine)	MOPAR® Engine Oil Filter	N/A	N/A	N/A
Engine Oil Filter (2.0L Engine)	MOPAR® Engine Oil Filter	N/A	N/A	N/A
Engine Oil Filter (2.4L Engine)	MOPAR® Engine Oil Filter	68197769AA	N/A	N/A
Fuel				
Fuel Selection (1.4L Engine)	91 Octane, 0-10% Ethanol	N/A	12.7 Gallons	48 Liters
Fuel Selection (1.6L Engine)	EN 590 Diesel	N/A	12.7 Gallons	48 Liters
Fuel Selection (2.0L Engine)	EN 590 Diesel	N/A	12.7 Gallons	48 Liters
Fuel Selection (2.4L Engine)	87 Octane, 0-10% Ethanol	N/A	12.7 Gallons	48 Liters
Fuel Selection (2.4L Engine) - Flex Fuel (E85) Models Only	87 Octane, up to 85% Ethanol	N/A	12.7 Gallons	48 Liters
A/C Refrigerant System				
Refrigerant	R-1234yf	-	1.0 Pounds	0.450 Kilograms
• Includes heater and coolant recovery bottle filled to MAX level.				
CAUTION: <i>Nominal refill capacities are shown. A variation may be observed from vehicle to vehicle due to manufacturing tolerance and refill procedure.</i>				

SPARK PLUGS

Description	Part Number	Gap	
		U.S.	Metric
Spark Plugs (1.4L Engine)	68070507AC	0.026 in	0.65 mm

Spark Plugs (2.4L Engine)	SP148183AB	0.047 in	1.20 mm
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TRANSAXLE

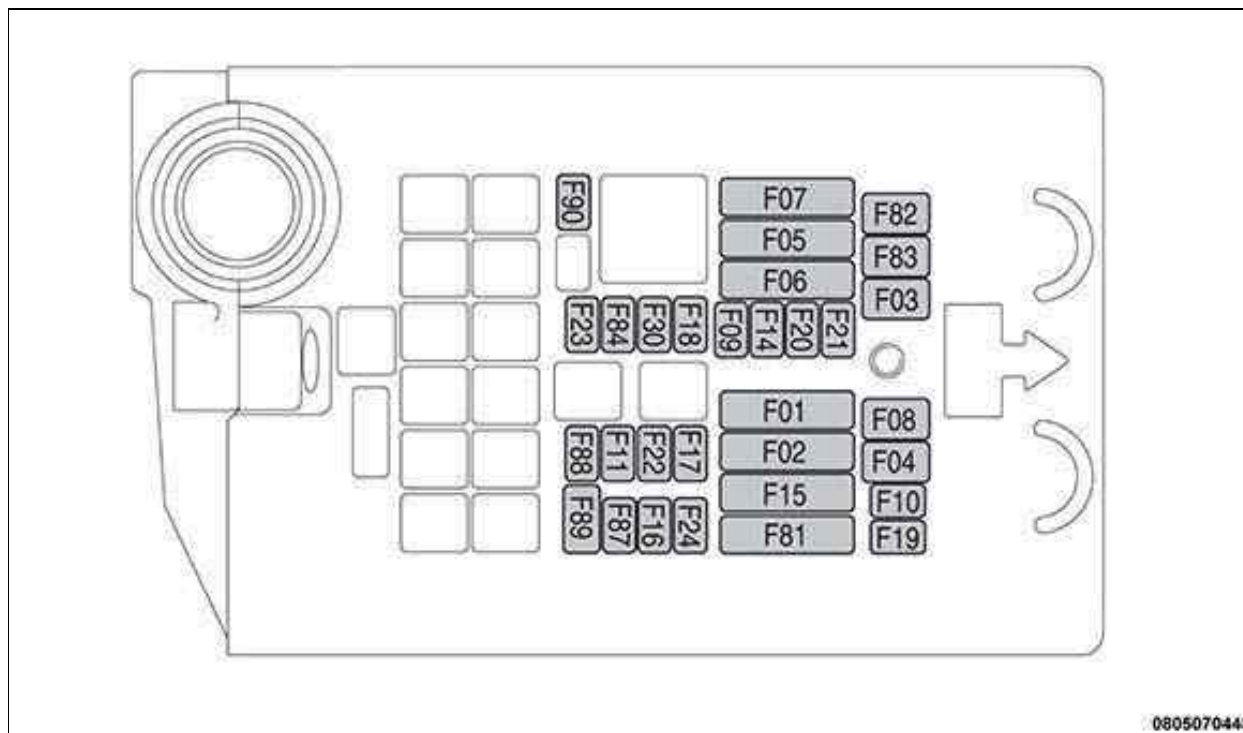
Description	Type	Part Number	Capacity	
			U.S.	Metric
Automatic				
948TE Automatic Transaxle	Use only MOPAR® ZF 8&9 Speed ATF™ Automatic Transmission Fluid, 9.55550-AV5 or equivalent. Failure to use the correct fluid may affect the function or performance of your transmission.	68218925AA	6.35 Quarts	6.0 Liters
Manual				
C635 Manual Transaxle	Use C Series Manual & Dual Dry Clutch Transmission Fluid	68092630AA	2.0 Quarts	1.88 Liters

CHASSIS

Description	Type	Part Number	Capacities	
			U.S.	Metric
Axles				
Rear Differential (RDM)	Use synthetic lubricant SAE 75W-90 API GL5	N/A	0.63 Quarts	0.6 Liters
Transfer Case				
Power Transfer Unit (PTU)	Use synthetic lubricant SAE 75W-90 API GL5	N/A	0.42 Quarts	0.4 Liters
Chassis Systems				
Brake Master Cylinder	We recommend you use MOPAR® DOT 4. If DOT 4 brake fluid is not available, then DOT 3 is acceptable.	12 oz. Bottle - 04549625AD	N/A	N/A

FUSE - RELAY LOCATIONS AND TYPES > SPECIFICATIONS > SPECIFICATIONS > FUSES AND RELAYS

Fig 1: Engine Compartment Fuses/Distribution Unit



Courtesy of CHRYSLER GROUP, LLC

Engine Compartment Fuses/Distribution Unit

The fuses are grouped into four controllers located in the engine compartment, under the instrument panel and on the inside of the left side cargo trim panel.

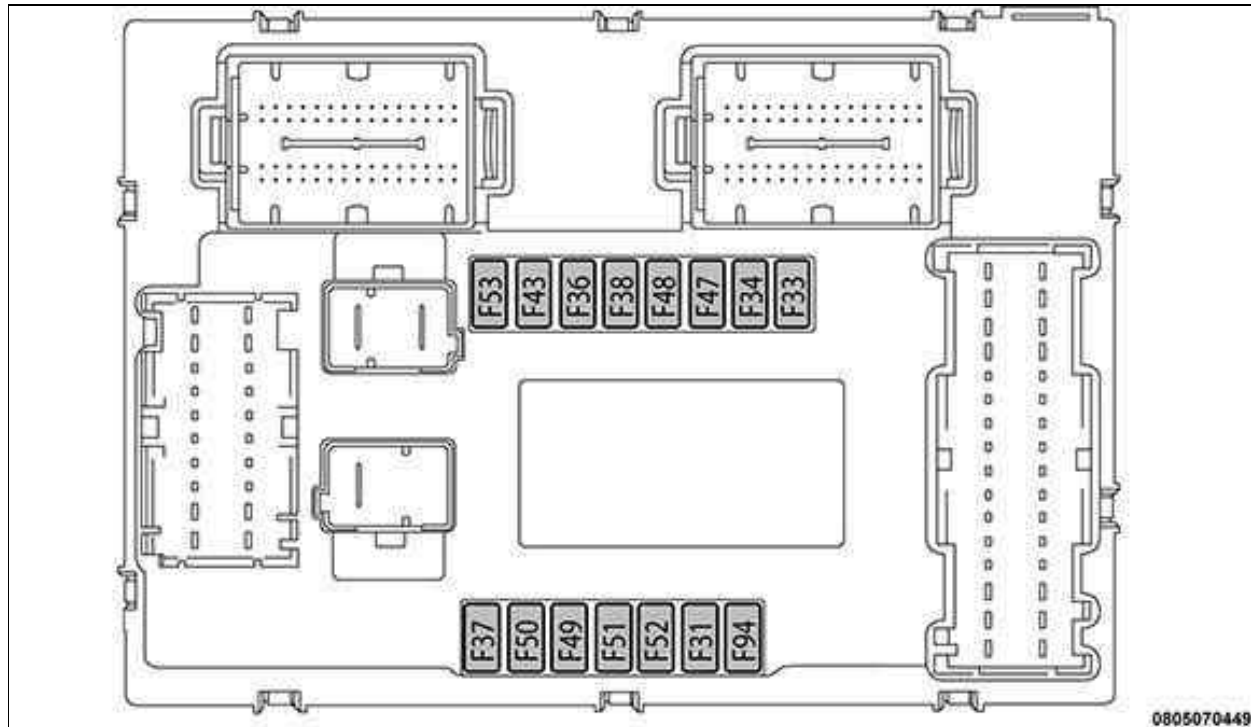
The engine compartment fuse panel is located on the left side of the engine compartment.

Cavity	Maxi Fuse	Cartridge Fuse	Micro Fuse	Description
F01	70 Amp Tan	-	-	Module Body Computer
F02	70 Amp Tan	-	-	Module Body Computer, Rear Distribution Units
F03	-	20 Amp Blue	-	Controller Power Supply Body Computer
F04	-	30 Amp Pink	-	Brake Control Electronics Module
F05	70 Amp Tan	-	-	Electric Power-Assisted Steering
F06	20 Amp Yellow	-	-	Engine Cooling fan

F07	40 Amp Orange - 1.4 Without A/C 50 Amp Red - 1.4 With A/C And All 2.4 Models	-	-	Engine Cooling fan
F08	-	30 Amp Pink	-	Automatic Transmission, GSM
F09	-	-	5 Amp Tan	Control Module Engine
F10	-	-	15 Amp Blue	Horn
F11	-	-	10 Amp Red - 1.4 Engines 25 Amp Clear - 2.4 Engines	Supply Secondary Loads
F14	-	-	7.5 Amp Brown	Heater "Blow By"
F14	-	-	5 Amp Tan	Pump Power "After Run"
F15	40 Amp Orange	-	-	Brake Control Module Pump
F16	-	-	5 Amp Tan	Engine Control Module Power, Automatic Transmission
F17	-	-	10 Amp Red - 1.4 Engines 15 Amp Blue - 2.4 Engines	Supply Primary Loads
F18	-	-	20 Amp Yellow	12V Rear Cargo Outlet Ignition Powered
F19	-	-	7.5 Amp Brown	Air Conditioner Compressor
F20	-	-	5 Amp Tan	Electronic Power Four-Wheel Drive
F21	-	-	15 Amp Blue	Fuel Pump
F22	-	-	20 Amp Yellow	Power Control Module Engine
F23	-	-	30 Amp Green	Heated Windshield - If Equipped
F24	-	-	15 Amp Blue	Electronic Unit Supply Automatic Transmission
F30	-	-	20 Amp Yellow (Customer Installed)	12V Rear Cargo Outlet Constant Battery Powered
F83	-	40 Amp Green	-	Air Conditioning Fan

F84	-	-	30 Amp Green	Power Supply All Wheel Drive
F87	-	-	5 Amp Tan	Shift Lever Automatic Transmission
F88	-	-	7.5 Amp Brown	Heated Outside Mirrors
F89	-	-	30 Amp Green	Heated Rear Window
F90	-	-	5 Amp Tan	IBS Sensor (Battery State Of Charge)

Fig 2: Body Computer Fuse Center



Courtesy of CHRYSLER GROUP, LLC

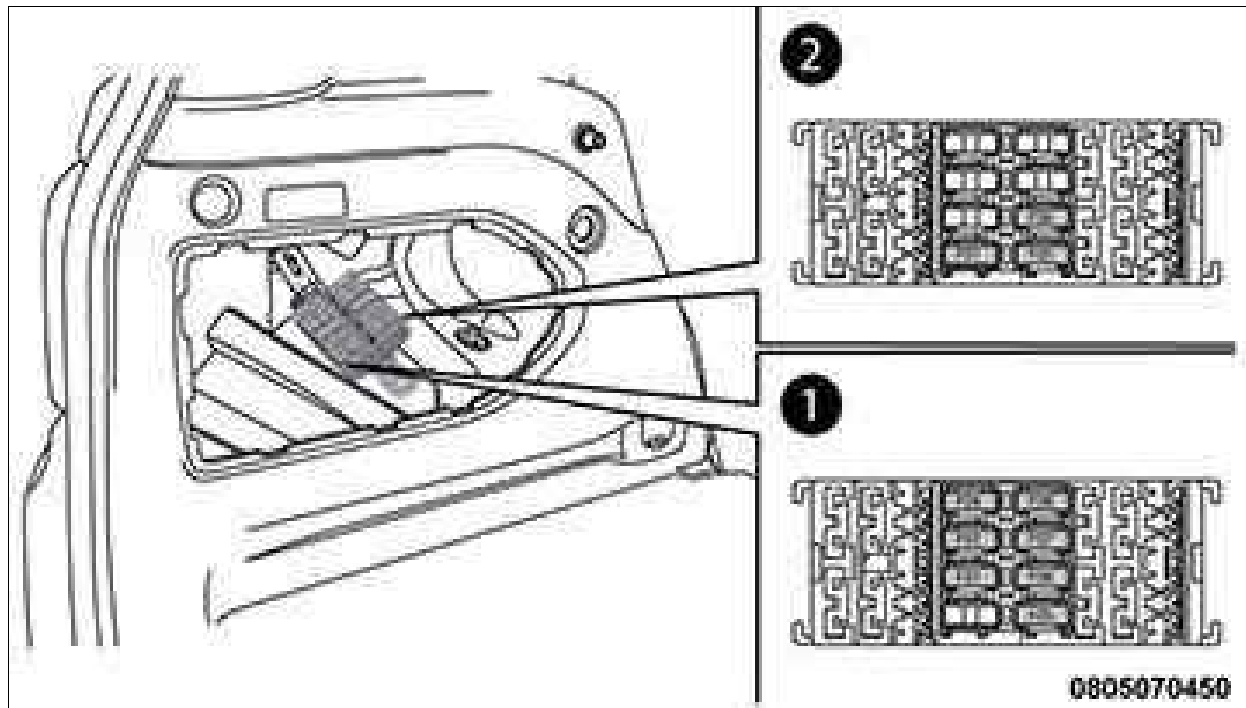
Body Computer Fuse Center

The controller is located at the left side of the steering column at the bottom of the instrument panel.

Body Computer Fuse Center		
Cavity	Mini Fuse	Description
F31	7.5 Amp Brown	Flashes/Electrical Movement Front Seats/Fan Air Conditioning
F33	20 Amp Yellow	Power Window Front (Driver Side)
F34	20 Amp Yellow	Power Window Front (Passenger Side)
F36	15 Amp Blue	Supply Uconnect® System, Air Conditioning, Alarm, Power Folding Outside Mirrors, USB Port

F37	10 Amp Red	System Power Forward Collision Warning Plus, All Wheel Drive (AWD), IPC
F38	20 Amp Yellow	Central Locking
F42	7.5 Amp Brown	Power Under Lock and Key
F43	20 Amp Yellow	Bi-directional Pump Washer
F47	20 Amp Yellow	Power Rear Window (driver side)
F48	20 Amp Yellow	Power Rear Window (passenger side)
F49	7.5 Amp Brown	Supply ParkSense, Spot Lights Front Dome, Mirror, Electric Motor Retractable Roof, Heated Front Seats, Stabilizer Battery, ESC System, ESL
F50	7.5 Amp Brown	Supply Air Bag
F51	7.5 Amp Brown	Alarm Power, Front Courtesy Light, Air Conditioning Compressor, Brake Pedal Switch (NC), Plaque Automatic Transmission, Compass, Rear Camera, Leveling Headlights, Air Conditioning
F53	7.5 Amp Brown	Supply IPC/Starter Device/System Keyless Enter-N-Go™
F94	15 Amp Blue	Power Socket

Fig 3: Rear Cargo Fuse/Relay Distribution Unit



Courtesy of CHRYSLER GROUP, LLC

Rear Cargo Fuse/Relay Distribution Unit

To access the fuses, remove the access door from the left rear panel of the rear cargo area.

The fuses are contained in two units. Fuse holder no. 1 is located closest to the rear of the vehicle and fuse holder no. 2 is located closest to the front of the vehicle.

On the controller there is also a 20 amp fuse for the sun visor of the retractable roof.

Rear Cargo Fuse/Relay Distribution Unit		
Fuse holders no. 1		
Cavity	Mini Fuse	Description
F1	30 Amp Blue	Power Inverter
F2	20 Amp Yellow	HIFI Audio System
F3	20 Amp Yellow	MY SKY
F4	7.5 Amp Brown	Lumbar Adjustment Front Seat (Driver Side)
F5	30 Amp Green	Power Seat (Driver Side)
F6	7.5 Amp Brown	Power Seat (Driver Side And Passenger Side)
F7	30 Amp Green	Lumbar Adjustment Front Seats (Driver Side And Passenger Side)
F8	20 Amp Yellow	Heating Front Seats

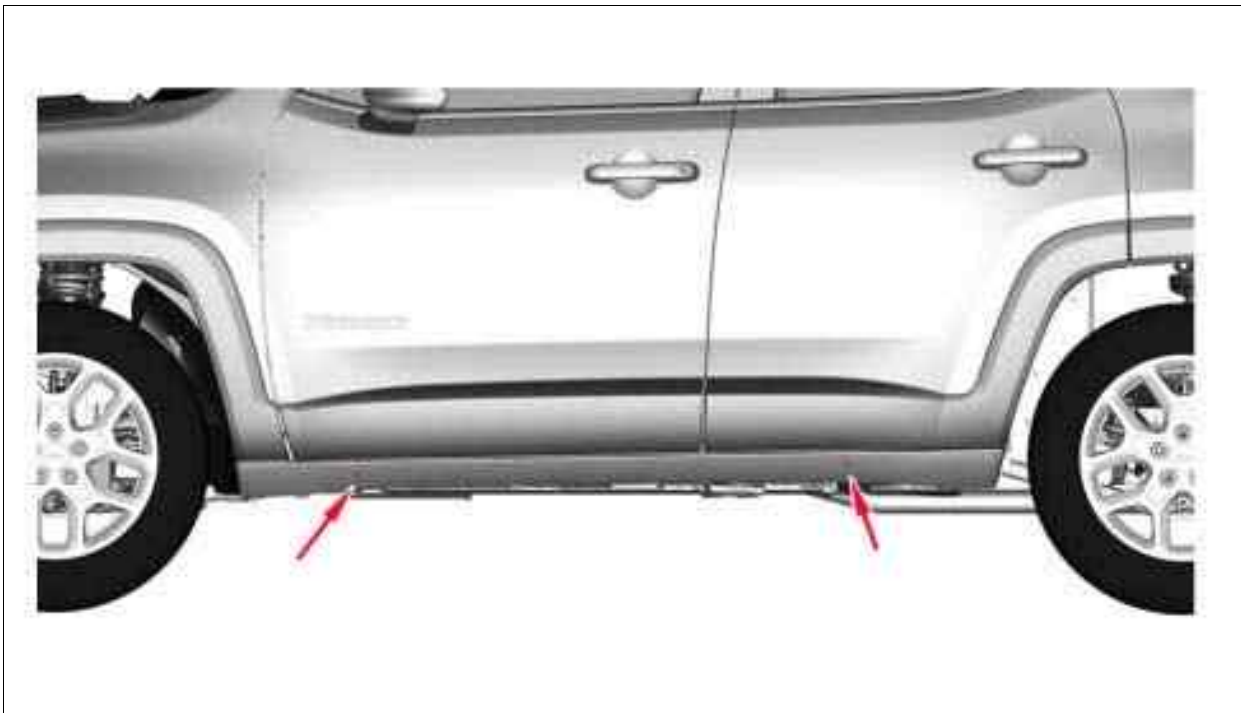
Rear Cargo Fuse/Relay Distribution Unit		
Fuse holders no. 2		
Cavity	Mini Fuse	Description
F1	10 Amp Red	Controller Exterior Lighting On Trailer
F5	15 Amp Blue	Controller Exterior Lighting Lights (Drivers Side)
F6	15 Amp Blue	Controller Exterior Lighting Lights (Passenger Side)

HOISTING > STANDARD PROCEDURE > STANDARD PROCEDURE - HOISTING

In the event that it becomes necessary to raise the car, go to a Jeep Dealership, which is equipped with surface lift or equivalent.

The points for lifting the vehicle using the lift are marked on the side skirts with the symbols shown in the figure.

Fig 1: Marked Points For Lifting Vehicle



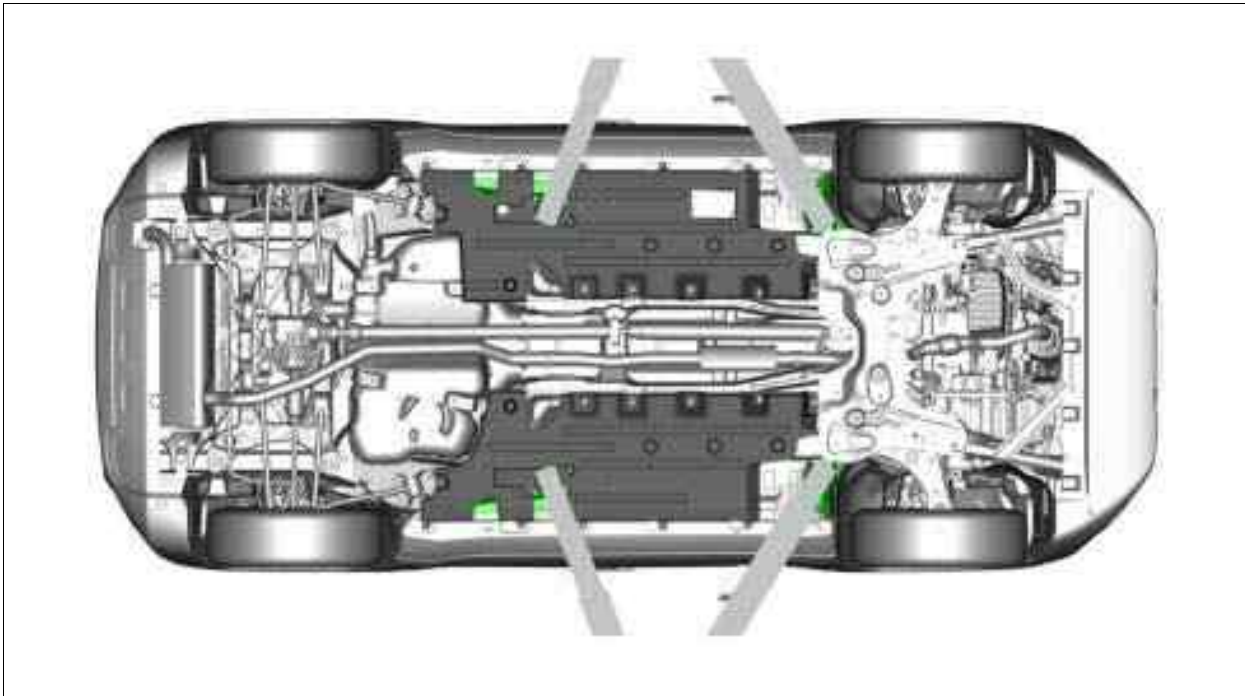
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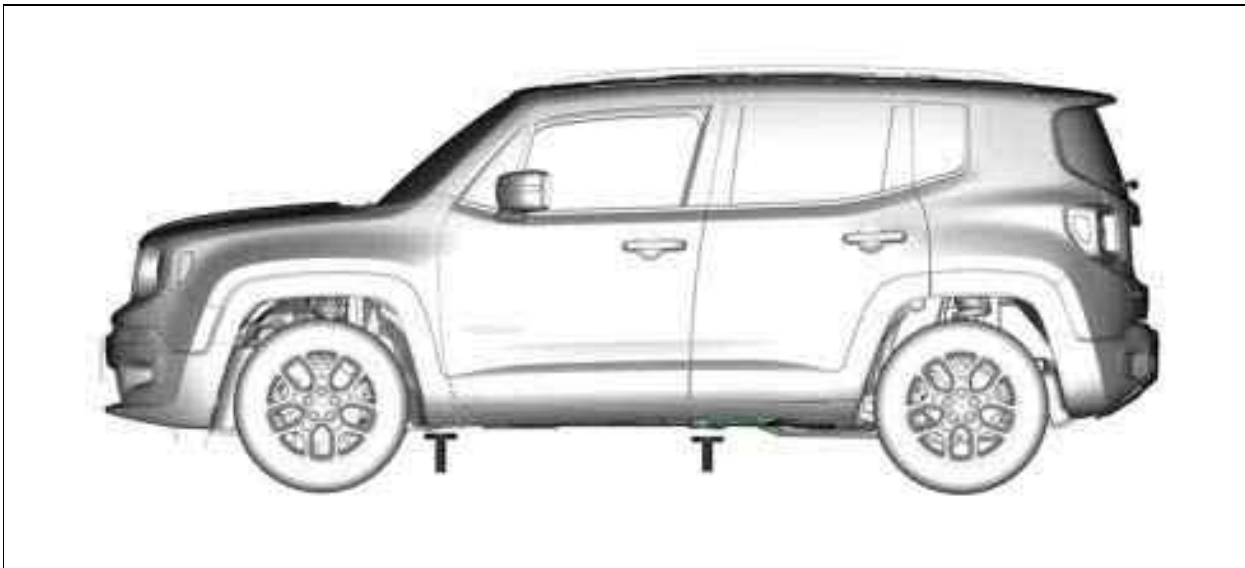
Be careful to select the lift pads sized to fit to the underbody of the car. Also, make sure to correctly place the pads themselves at the openings indicated on the sill cladding. These openings are not necessarily aligned with the triangle markings, which are specifically related to the recommended location for the emergency jack, provided with the vehicle.

Fig 2: Hoisting Vehicle (1 Of 3)



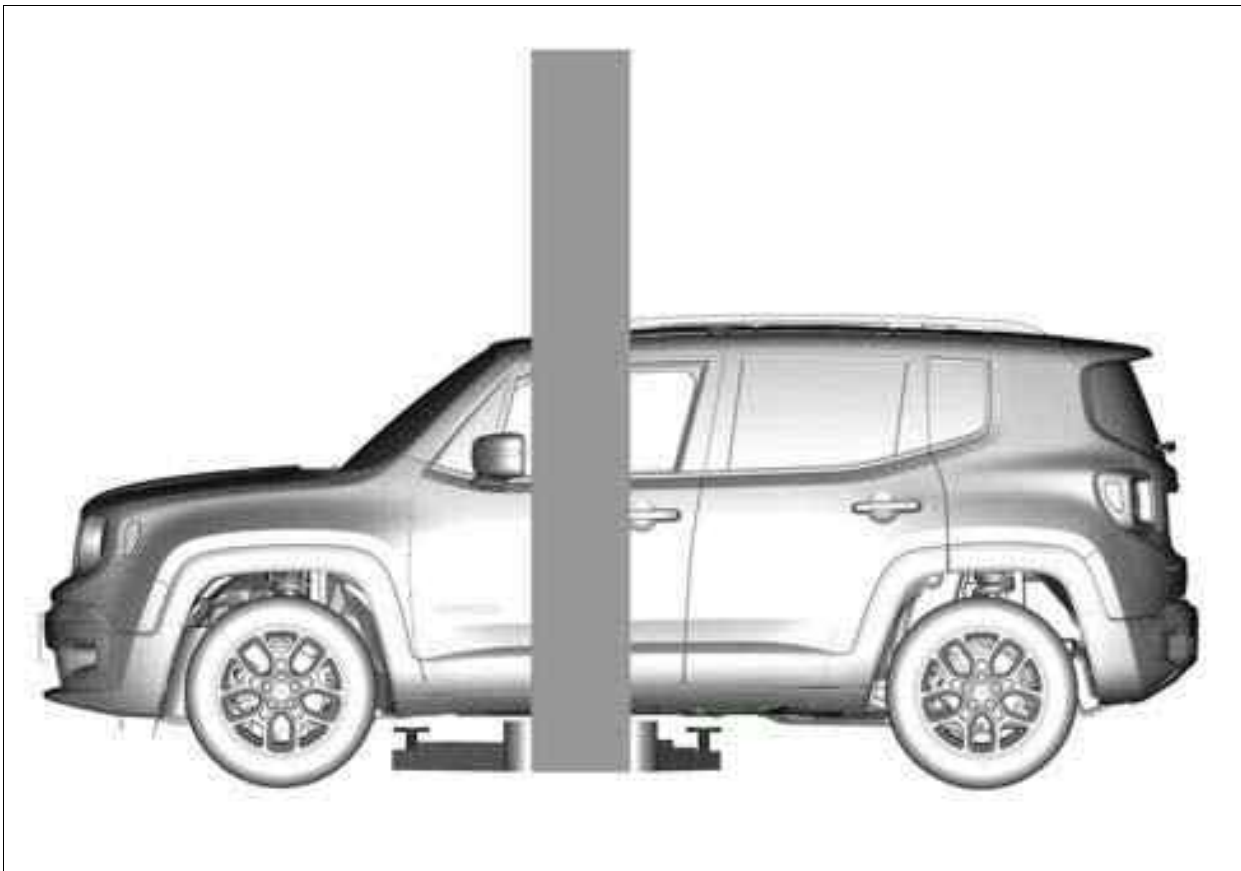
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Fig 3: Hoisting Vehicle (2 Of 3)



Courtesy of CHRYSLER GROUP, LLC

Fig 4: Hoisting Vehicle (3 Of 3)



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JUMP STARTING > STANDARD PROCEDURE > STANDARD PROCEDURE - JUMP STARTING

⊗ WARNING:

REVIEW ALL SAFETY PRECAUTIONS AND WARNINGS.

⊗ WARNING:

DO NOT JUMP START A FROZEN BATTERY, PERSONAL INJURY CAN RESULT.

⊗ WARNING:

DO NOT JUMP START WHEN MAINTENANCE FREE BATTERY INDICATOR DOT IS BRIGHT COLOR.

 WARNING:

DO NOT ALLOW JUMPER CABLE CLAMPS TO TOUCH EACH OTHER WHEN CONNECTED TO A BOOSTER SOURCE.

 WARNING:

DO NOT USE OPEN FLAME NEAR BATTERY

 WARNING:

REMOVE METALLIC JEWELRY WORN ON HANDS OR WRISTS TO AVOID INJURY BY ACCIDENTAL ARCING OF BATTERY CURRENT.

 WARNING:

WHEN USING A HIGH OUTPUT BOOSTING DEVICE, DO NOT ALLOW BATTERY VOLTAGE TO EXCEED 16 VOLTS.

 WARNING:

REFER TO INSTRUCTIONS PROVIDED WITH DEVICE BEING USED.

 CAUTION:

DO NOT ATTEMPT TO PUSH OR TOW THE VEHICLE TO START IT. THE VEHICLE CANNOT BE STARTED THIS WAY. PUSHING WITH ANOTHER VEHICLE MAY DAMAGE THE TRANSAXLE OR THE REAR OF THE VEHICLE.

JUMP STARTING > STANDARD PROCEDURE > STANDARD PROCEDURE - JUMP STARTING > TO JUMP START A DISABLED VEHICLE:

Fig 1: Positive (+) & Negative (-) Battery Jumper Cables



Courtesy of CHRYSLER GROUP, LLC

1. On the disabled vehicle, remove the battery compartment lid from the passenger compartment between the seats and inspect the battery.
 1. Inspect the battery cable terminal clamps for damage. Replace any battery cable that has a damaged or deformed terminal clamp.
 2. Inspect the battery tray and battery hold down hardware for damage. Replace any damaged parts.
 3. Slide the thermal guard off of the battery case, if equipped. Inspect the battery case for cracks or other damage that could result in electrolyte leaks. Also, check the battery terminal posts for looseness. Batteries with damaged cases or loose terminal posts must be replaced.
 4. Inspect the battery thermal guard for tears, cracks, deformation or other damage. Replace any battery thermal guard that has been damaged.
 5. Inspect the battery built-in test indicator sight glass (if equipped) for an indication of the battery condition. If the battery is discharged, charge as required. Refer to BATTERY, STANDARD PROCEDURE .

2. Raise hood on disabled vehicle and visually inspect engine compartment for:

1. Generator drive belt condition and tension.



CAUTION:

If the cause of starting problem on disabled vehicle is severe, damage to booster vehicle charging system can result.

3. When using another vehicle as a booster source, park the booster vehicle within cable reach. Turn off all accessories, set the parking brake, place the automatic transmission in PARK or the manual transmission in NEUTRAL and turn the ignition OFF.
4. On disabled vehicle, place gear selector in park or neutral and set park brake. Turn off all accessories.
5. Connect jumper cables to booster battery. RED clamp to positive terminal (+). BLACK clamp to negative terminal (-). DO NOT allow clamps at opposite end of cables to touch, electrical arc will result. Review all warnings in this procedure.



CAUTION:

It is very important not to use the B+ connection at the TIPM when jump starting the vehicle. The 150 amp fuse in the fuse block that feeds the TIPM will blow. Use only the positive jump post (3) that is located in the wiper plenum on the right hand side of the vehicle.

6. On the disabled vehicle, pull up and remove the protective cover (1) over the remote positive (+) battery post.
7. Connect the RED jumper cable clamp (3) to positive (+) terminal. Connect BLACK jumper cable clamp (2) to engine ground stud.
8. Start the engine in the vehicle which has the booster battery, let the engine idle a few minutes, then start the engine in the vehicle with the discharged battery.



CAUTION:

Do not crank starter motor on disabled vehicle for more than 15 seconds, starter will overheat and could fail.

9. Allow battery in disabled vehicle to charge to at least 12.4 volts (75% charge) before attempting to start engine. If engine does not start within 15 seconds, stop cranking engine and allow starter to cool (15 min.), before cranking again.

JUMP STARTING > STANDARD PROCEDURE > STANDARD PROCEDURE - JUMP STARTING > DISCONNECT CABLE CLAMPS AS FOLLOWS:

- Disconnect BLACK cable clamp from engine ground on disabled vehicle.
- When using a Booster vehicle, disconnect BLACK cable clamp from battery negative terminal.
Disconnect RED cable clamp from battery positive terminal.
- Disconnect RED cable clamp from battery positive terminal on disabled vehicle.

MAINTENANCE SCHEDULES > DESCRIPTION > SERVICE SCHEDULE (DIESEL - EMEA)

Kilometers:	20,000	40,000	60,000	80,000	100,000	120,000	140,000	160,000	180,000	200,000
Or Years:	1	2	3	4	5	6	7	8	9	10
Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).	•	•	•	•	•	•	•	•	•	•
Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).	•	•	•	•	•	•	•	•	•	•
Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).	•	•	•	•	•	•	•	•	•	•
Check emissions / exhaust gas;	•	•	•	•	•	•	•	•	•	•
Check, by means of diagnostic socket, power system operation / motor control, emissions and for versions / markets, where provided, engine oil degradation.	•	•	•	•	•	•	•	•	•	•
Visually inspect conditions and integrity: exterior bodywork, underbody protection, pipes and hoses (exhaust, fuel system and brakes), rubber parts (boots, sleeves, bushings, etc.).	•		•		•		•		•	
Check positioning / wear of windscreen wiper front and rear.	•		•		•		•		•	
Check windscreen wiper washer and adjust nozzles.	•		•		•		•		•	
Check cleanness of locks, hood and trunk lever cleanness and lubrication.		•		•		•		•		•

Visually check condition and pad wear of the front disc brakes and operation.	•	•	•	•	•	•	•	•	•	•
Visually check condition and pad wear of the rear disc brakes and operation.	•	•	•	•	•	•	•	•	•	•
Inspect conditions drive belt / s accessories (Versions without automatic tensioner).				•						
Check accessory drive belt tension (Versions without automatic tensioner).			•						•	
Visually check conditions of the timing belt.			•							
Check oil level of transfer case.			•				•			
Check oil level of rear differential.			•				•			
Change engine oil and oil filter (versions with DPF). (1)	(1)									
Replace the accessory drive belt / s. (2)	(2)									
Replace the timing belt. (2)	(2)									
Replace the fuel filter. (3)			•			•			•	
Replace the air filter. (4)		•		•		•		•		•
Change the brake fluid.		•		•		•		•		•
Replace the cabin air filter. (4) (O) (•)	O	•	O	•	O	•	O	•	O	•

(1) The actual amount of oil change and oil filter depends on the condition of use of the car and is signaled by light or message on the framework instruments. Must not exceed 2 years.

(1) If the car is used mainly on urban routes you need to replace the engine oil and filter every year.

(2) Areas not dusty: mileage recommended maximum 120, 000 km. Regardless of mileage, the belt must be replaced every six years.

(2) Dusty areas, and / or heavy use (cold climates, urban use, long idling): Recommended maximum mileage 60, 000 km.

(3) In the case of filling the car with fuel of inferior quality to the planned European Specification is recommended to replace this filter every 20, 000 km.

(4) On the use of the car in a dusty replace the filter every 20, 000 km.

(O) Interventions recommended.

(•) Interventions required.

**NOTE:**

Change the oil and filter change automatically every 240, 000 km.

MAINTENANCE SCHEDULES > DESCRIPTION > SERVICE SCHEDULE (GAS - EMEA)

The checks contained in the Service Schedule, once reached 120, 000 km / 8 years old, must be repeated to start again from the first interval, thus respecting the same cadences previously performed.

Kilometers:	15,000	30,000	45,000	60,000	75,000	90,000	105,000	120,000	135,000	150,000
Or Years:	1	2	3	4	5	6	7	8	9	10
Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).	•	•	•	•	•	•	•	•	•	•
Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).	•	•	•	•	•	•	•	•	•	•
Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).	•	•	•	•	•	•	•	•	•	•
Check emissions / exhaust gas;	•	•	•	•	•	•	•	•	•	•
Check, by means of diagnostic socket, power system operation / motor control, emissions and for versions / markets, where provided, engine oil degradation.	•	•	•	•	•	•	•	•	•	•
Visually inspect conditions and integrity: exterior bodywork, underbody protection, pipes and hoses (exhaust, fuel system and brakes), rubber parts (boots, sleeves, bushings, etc.).		•		•		•		•		•
Check positioning / wear of windscreen wiper front and rear.	•		•		•		•		•	
Check windscreen wiper washer and adjust nozzles.	•		•		•		•		•	

Check cleanness of locks, hood and trunk lever cleanness and lubrication.		•		•		•		•		•
Visually check condition and pad wear of the front disc brakes and operation.	•	•	•	•	•	•	•	•	•	•
Visually check condition and pad wear of the rear disc brakes and operation.	•	•	•	•	•	•	•	•	•	•
Inspect conditions drive belt / s accessories (Versions without automatic tensioner).				•						
Check accessory drive belt tension (Versions without automatic tensioner).		•								•
Visually check conditions of the timing belt.				•						
Check oil level of transfer case.				•				•		
Check oil level of rear differential.				•				•		
Change engine oil and oil filter. (1)		•		•		•		•		•
Replace spark plugs. (2)		•		•		•		•		•
Replace the accessory drive belt / s. (3)	(3)									
Replace the timing belt. (3)	(3)									
Replace the air filter. (4)		•		•		•		•		•
Change the brake fluid.		•		•		•		•		•
Replace the cabin air filter. (4) (O) (•)	O	•	O	•	O	•	O	•	O	•

(1) If the vehicle is used with an annual mileage below 10, 000 Km, replace engine oil and filter every year.

(2) For versions 1.4 Turbo Multi Air, in order to ensure proper functionality and avoid serious damage to the engine, it is essential only use spark plugs specifically certified for such engines, the same type and the same brand (see SPARK PLUGS).

strictly enforce the change interval of spark plugs provided in the Service Schedule. To replace the spark plugs we recommend a Jeep Dealership.

(3) Areas not dusty: mileage recommended maximum 120, 000 km. Regardless of mileage, the belt must be replaced every six years.

(3) Dusty areas, and / or heavy use (cold climates, urban use, long idling): Recommended maximum mileage 60, 000 km.

(4) When using the car in dusty conditions replace the filter every 15, 000 km.

(O) Interventions recommended

(•) Interventions required

MAINTENANCE SCHEDULES > DESCRIPTION > NAFTA AND PUERTO RICO > OIL CHANGE INDICATOR SYSTEM

The vehicle is equipped with an automatic oil change indicator system. The oil change indicator system will remind you that it is time to take your vehicle in for scheduled maintenance.

The "Change Engine Oil" message will display in the Electronic Vehicle Information Center (EVIC) display. The engine oil change indicator system is duty cycle based, which means the engine oil change interval may fluctuate, dependent upon your personal driving style.

Based on engine operation conditions, the oil change indicator message will illuminate. This means that service is required for your vehicle. Operating conditions such as frequent short-trips, trailer tow, extended engine idle time, extremely hot or cold ambient temperatures will influence when the "Oil Change Required" message is displayed. Severe Operating Conditions can cause the change oil message to illuminate as early as 3, 500 miles (5, 600 km) since last reset. Have your vehicle serviced as soon as possible, within the next 500 miles (805 km).

Unless reset, this message will continue to display each time you turn the ignition switch to the ON/RUN position. To turn off the message temporarily, push and release the MODE button.



NOTE:

Under no circumstances should oil change intervals exceed 10, 000 miles (16, 000 km), 350 hours of engine run time or twelve months, whichever comes first.

Severe Duty All Models

Change Engine Oil at 4000 miles (6, 500 km) if the vehicle is operated in a dusty and off road environment. This type of vehicle use is considered Severe Duty.

MAINTENANCE SCHEDULES > DESCRIPTION > NAFTA AND PUERTO RICO > OIL CHANGE INDICATOR - RESET

To reset the oil change indicator system (after performing the scheduled maintenance), refer to the following procedure.

1. Turn the ignition switch to the ON position (do not start the engine).
2. Fully push the accelerator pedal slowly, three times, within 10 seconds.
3. Turn the ignition switch to the OFF/LOCK position.



If the indicator message illuminates when you start the vehicle, the oil change indicator system did not reset. If necessary, repeat this procedure.

MAINTENANCE SCHEDULES > DESCRIPTION > NAFTA AND PUERTO RICO > ONCE A MONTH OR BEFORE A LONG TRIP

- Check engine oil level.
- Check windshield washer fluid level.
- Check tire pressure and look for unusual wear or damage. Rotate tires at the first sign of irregular wear, even if it occurs before the oil indicator system turns on.
- Check the fluid levels of coolant reservoir and brake master cylinder, fill as needed.
- Check function of all interior and exterior lights.



Failure to perform the required maintenance items may result in damage to the vehicle.

MAINTENANCE SCHEDULES > DESCRIPTION > NAFTA AND PUERTO RICO > REQUIRED MAINTENANCE INTERVALS

At Every Oil Change Interval As Indicated By Oil Change Indicator System:
Change oil and filter.
Inspect battery and clean and tighten terminals as required.
Inspect brake pads, shoes, rotors, drums, hoses and park brake.
Inspect engine cooling system protection and hoses.
Check and adjust hand brake.
Inspect exhaust system.
Inspect engine air cleaner if using in dusty or off-road conditions.

Maintenance Chart

Mileage or time passed (whichever	10,000	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000	100,000	110,000	120,000	130,000	140,000	150,000
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system - brakes), rubber elements (boots, sleeves, bushings, etc.).															
Check windshield/rear window wiper blade position/wear.	•		•		•		•		•		•		•		•
Check operation of windshield washer system and adjust jets if necessary.	•		•		•		•		•		•		•		•
Check cleanliness of hood and tailgate locks and cleanliness and lubrication of linkages.	•		•		•		•		•		•		•		•
Visually check the condition and wear of the front and rear brakes.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Check the front suspension, tie rods, CV joints and replace if necessary.		•		•		•		•		•		•		•	
Visual inspect the condition of the accessory drive belt.				•				•				•			
Check the tension of the accessory drive belt.		•		•		•		•		•		•		•	
Replace the accessory drive belt.															•
Inspect and replace PCV valve if necessary.										•					

Change engine oil and replace oil filter (*).															
Inspect the PTU fluid level.				•				•				•			
Inspect the rear differential fluid level.				•				•				•			
Replace spark plugs (1.4L Turbo engine). (**)			•			•			•			•			•
Replace spark plugs (2.4L engine). (**)										•					
Replace engine air filter. (#)			•			•			•			•			•
Replace brake fluid every two years.		•		•		•		•		•		•		•	
Replace cabin filter.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Change the manual transmission fluid if using your vehicle for any of the following: trailer towing, heavy loading, taxi, police, delivery service (commercial service), off-road, desert operation or more than 50% of your driving is at sustained speeds during hot weather, above 90°F (32°C).						•									•
Flush and replace the engine coolant at 10 years or 150, 000 miles										•					•

(240, 000 km) whichever comes first.															
Replace the timing belt (1.4L Turbo Engine).															•

- Recommend replacement
- Mandatory service

(#) The engine air cleaner should be inspected at every oil change if used in dusty areas.

(*) The oil and oil filter replacement must be carried out when indicated by a warning light or message on the instrument panel, or in any case should not exceed 1 year or 10, 000 miles (16, 000 km).

(**) The spark plug change is distance based only, yearly intervals do not apply. The following are essential to ensure correct operation and prevent serious damage to the engine:

- Only use spark plugs of the same make and type which are specially certified for such engines (refer to SPARK PLUGS for further information).
- Strictly comply with the spark plug replacement interval given in the "Maintenance Schedule" for spark plug replacement.
- Contact your authorized dealer if you have any questions.

 WARNING:

- *You can be badly injured working on or around a motor vehicle. Do only service work for which you have the knowledge and the right equipment. If you have any doubt about your ability to perform a service job, take your vehicle to a competent mechanic.*
- *Failure to properly inspect and maintain your vehicle could result in a component malfunction and effect vehicle handling and performance. This could cause an accident*

Failure to follow these instructions may result in possible serious or fatal injury.

MAINTENANCE SCHEDULES > INSPECTION > PERIODIC CHECKS

Every 1, 000 km or before long journeys, check and, if necessary, top up the following:

- Engine coolant level;
- Brake fluid level;
- Windscreen washer fluid level;
- Tire inflation pressure and condition;
- Operation of lighting system (headlights, direction indicators, hazard warning lights, etc.)
- Operation of screen wash/wipe system and positioning/wear of windscreen/rear window wiper blades;

Every 3000 km check and, if necessary, top up: engine oil level.

MAINTENANCE SCHEDULES > INSPECTION > DEMANDING USE OF THE CAR

If the car is used mainly in one of the following severe conditions:

- Towing a trailer or caravan
- Dusty roads
- Short distances (less than 7-8 km) and repeated with external temperatures below zero
- Engine frequently idling or driving long distances at low speeds or long inactivity you must do the following checks more frequently than indicated in the Service Schedule:
- Check pad conditions and wear of front disc brakes
- Check cleanness of locks, hood and trunk lever cleanness and lubrication
- Visually check conditions: engine, gearbox, transmission, pipes and hoses (exhaust - fuel - brakes), rubber parts (boots - sleeves - bushings, etc.)
- Monitor the state of battery charge and liquid level (electrolyte)
- Visual check conditions accessory drive belts
- Check and replace if necessary engine oil and oil filter
- Inspection and possible replacement of cabin filter
- Check and if necessary, replace air filter.

MAINTENANCE SCHEDULES > INSPECTION > 15, 000KM SERVICE (2.4L MULTIAIR2 1.4L TURBO MULTIAIR)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).
- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .
- Check, by means of diagnostic socket, power system operation / motor control, emissions and for versions / markets, where provided, engine oil degradation.
- Check positioning / wear of windscreen wiper front and rear.
- Check windscreen wiper washer and adjust nozzles.
- Visually check condition and pad wear of the front disc brakes and operation.

- Visually check condition and pad wear of the rear disc brakes and operation.
- If the car is used in dusty conditions replace the air filter cartridge operating as described below:
- Remove the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION - 1.4L or COVER, ENGINE, REMOVAL AND INSTALLATION - 2.4L.

Fig 1: Quick-Connect Hose & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws (1) fixing air filter cover.
- Disconnect the quick connect (2) from the air filter cover.

Fig 2: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

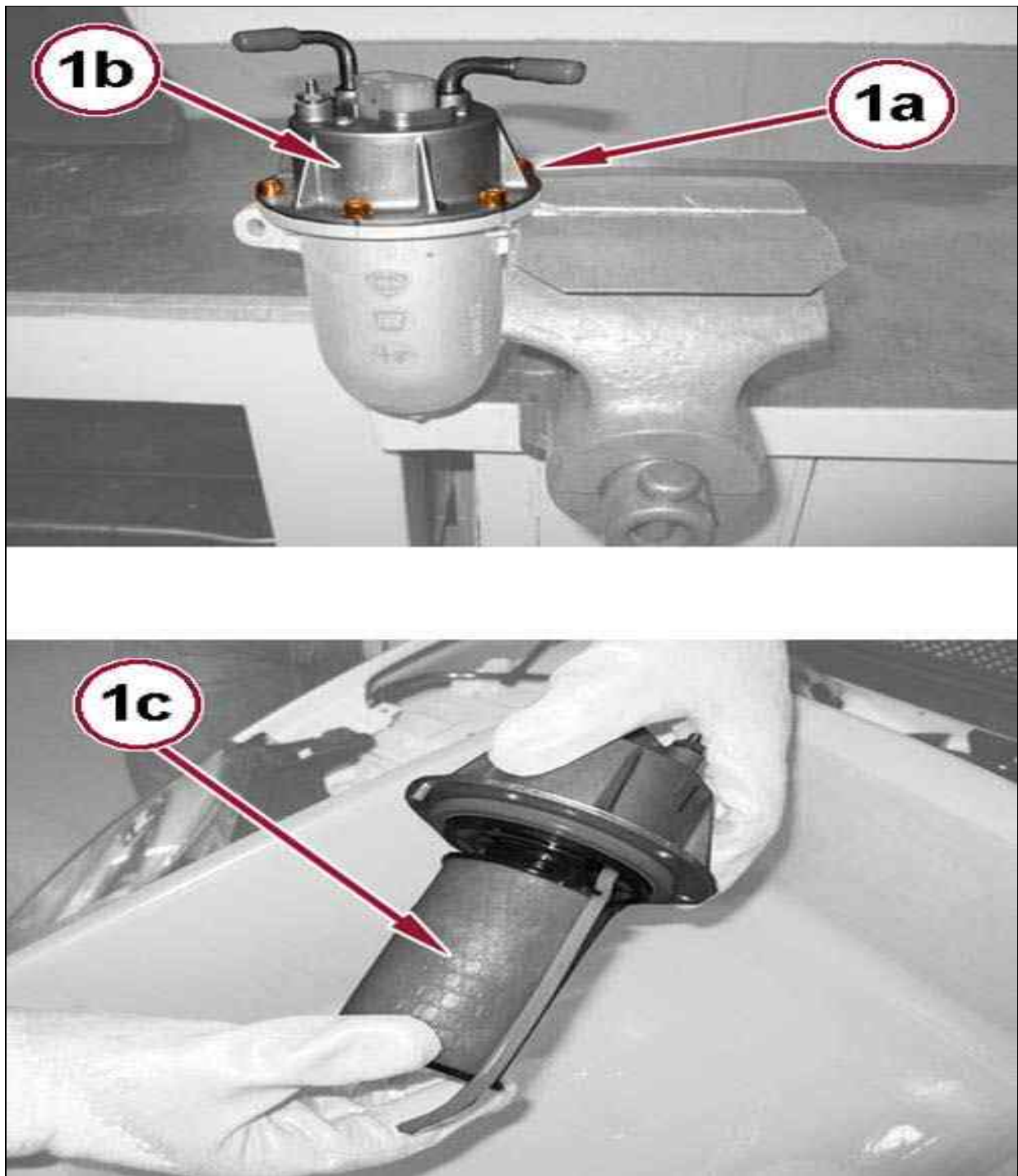
- Lift the lid and replace the air filter cartridge (1).
- Put into place the air filter cover, tighten the screws and the quick connect.
- Install the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION - 1.4L or COVER, ENGINE, REMOVAL AND INSTALLATION - 2.4L.
- If the car is used in dusty replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

MAINTENANCE SCHEDULES > INSPECTION > 20, 000KM SERVICE (2.0L TURBO DIESEL 1.6L TURBO DIESEL)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).

- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .
- Check, by means of diagnostic socket, power system operation / motor control, emissions and for versions / markets, where provided, engine oil degradation.
- Visually inspect conditions and integrity: exterior bodywork, underbody protection, pipes and hoses (exhaust, fuel system and brakes), rubber parts (boots, sleeves, bushings, etc.).
- Check positioning / wear of windscreen wiper front and rear.
- Check windscreen wiper washer and adjust nozzles.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- Replacing oil and oil filter is indicated by light or message on the instrument panel depending on the use of the car. Must not exceed 2 years.
- If the car is used mainly on urban routes you need to replace the engine oil and filter every year.
- To replace oil and oil filter. Refer to FILTER, ENGINE OIL, REMOVAL AND INSTALLATION .
- If refueling the car with fuel of inferior quality to the European specification provided it is recommended to replace the fuel filter cartridge, operating as described below. (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .

Fig 1: Filter Element, Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Position the fuel filter in vise with protective jaws.

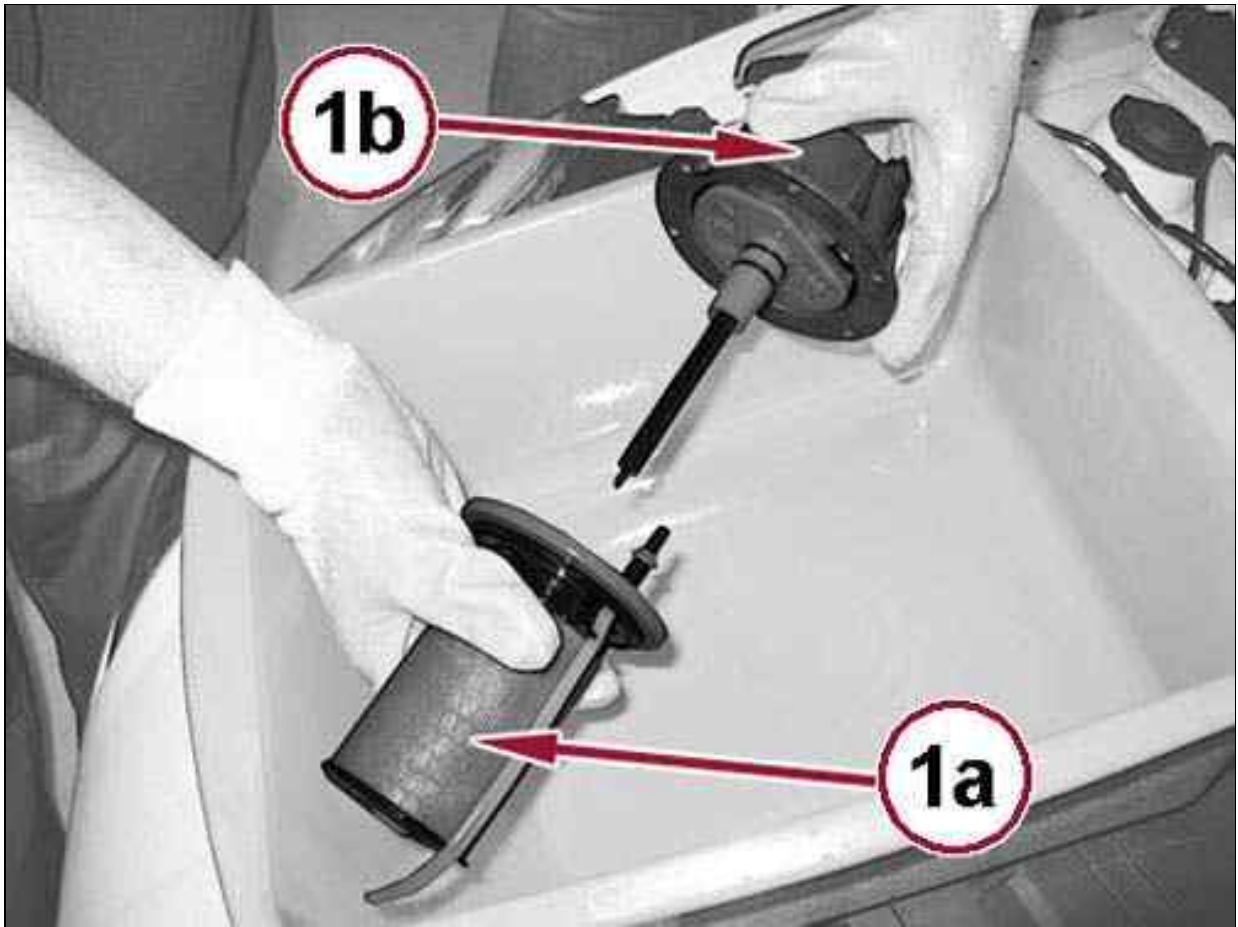


NOTE:

To avoid compromising the functionality of the new filter element, it is recommended to protect hands with suitable gloves when opening the protective and all stages of assembly.

- Remove the screws (1a), remove the cover (1b) complete with filter element (1c) and place in a suitable container.

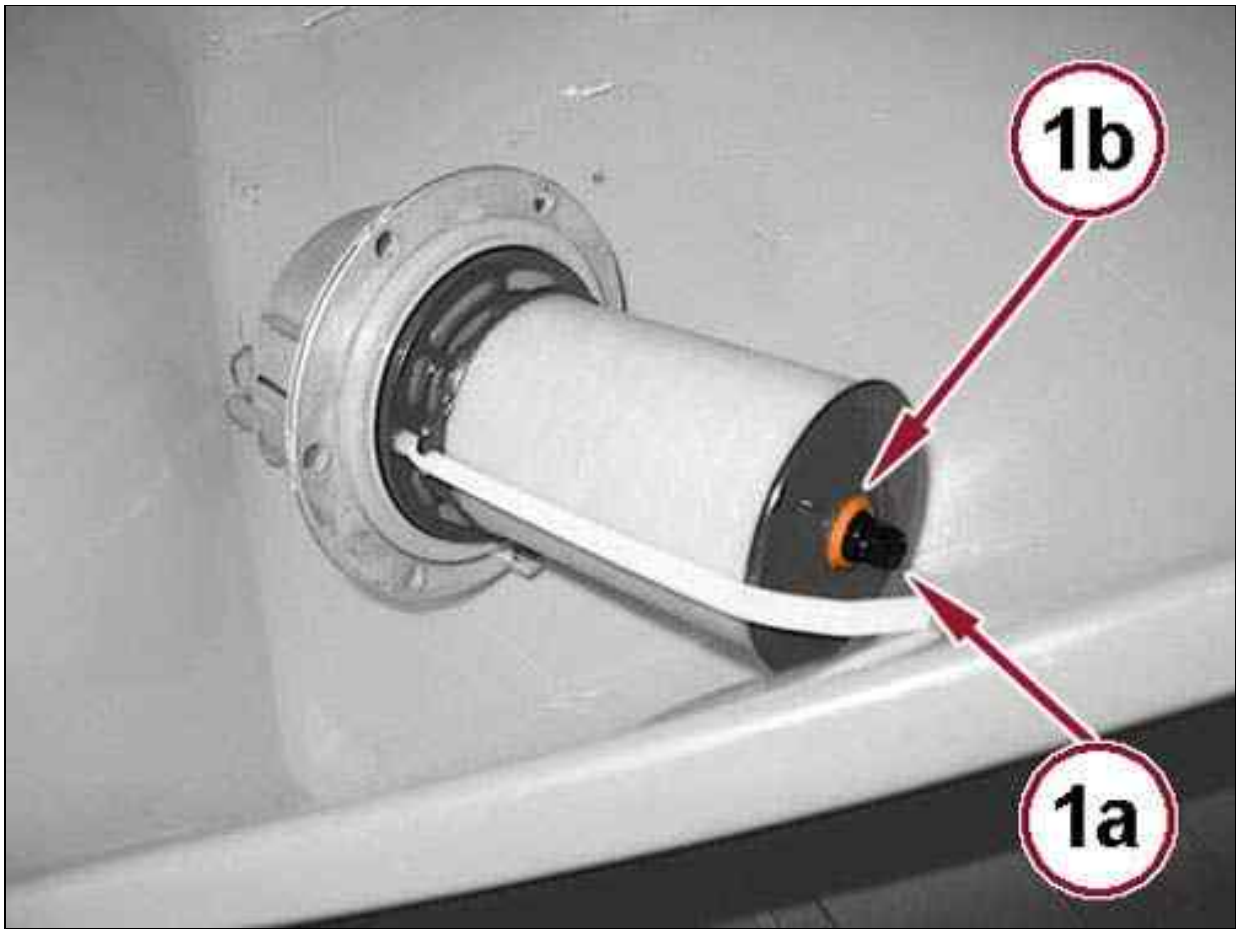
Fig 2: Filter Element & Cover



Courtesy of CHRYSLER GROUP, LLC

- Remove the filter element (1a) from the cover (1b).

Fig 3: Water Presence Sensor & Seal Ring



Courtesy of CHRYSLER GROUP, LLC

- Check the correct position of the water presence sensor (1a) and seal ring (1b).

Fig 4: Tooth & Groove



Courtesy of CHRYSLER GROUP, LLC

- Storing in its place the complete cover of filter element, taking care to engage the tooth with the groove of the support.
- Tighten the mounting screws on cover of fuel filter.
- Remove the fuel filter from the vise (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .
- If the car is used in dusty conditions replace the air filter cartridge operating as described below.

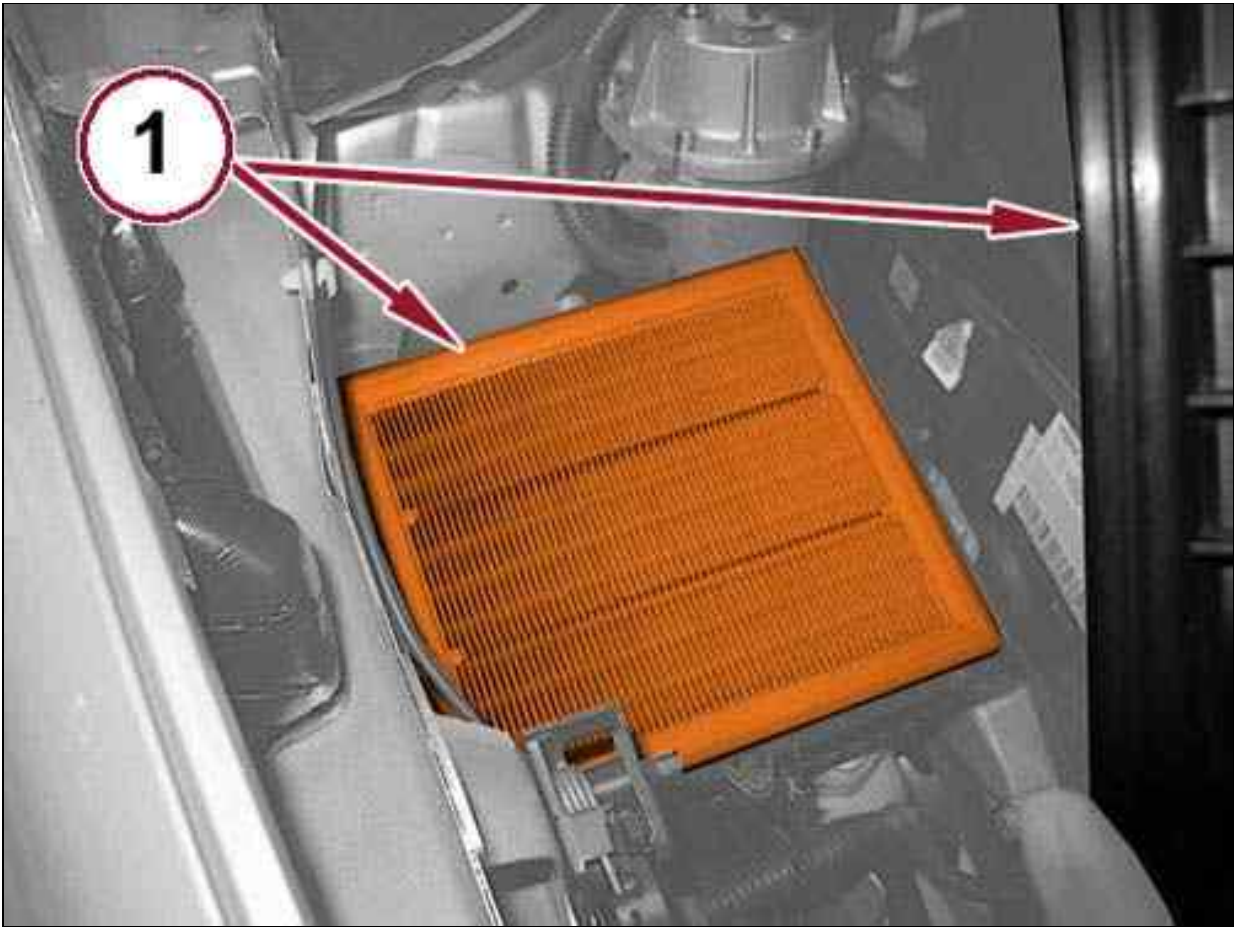
Fig 5: Air Filter Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover (1).

Fig 6: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

- Lift the lid and replace the air filter cartridge (1).
- Put into place the air filter cover and tighten the screws.
- If the car is used in dusty conditions replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

MAINTENANCE SCHEDULES > INSPECTION > 30, 000KM SERVICE (1.4L TURBO MULTIAIR)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).
- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .
- Check, by means of diagnostic socket, power system operation / motor control, emissions and for

versions / markets, where provided, engine oil degradation.

- Visually inspect conditions and integrity: exterior bodywork, underbody protection, pipes and hoses (exhaust, fuel system and brakes), rubber parts (boots, sleeves, bushings, etc.).
- Check cleanness of locks, hood and trunk lever cleanness and lubrication.
- Check positioning / wear of windscreen wiper front and rear.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- Check belt tension on accessory drive (versions without automatic tensioner).
- To replace oil and oil filter. Refer to FILTER, ENGINE OIL, REMOVAL AND INSTALLATION . If the car is used with an annual mileage below 10, 000 km replace engine oil and filter every year.

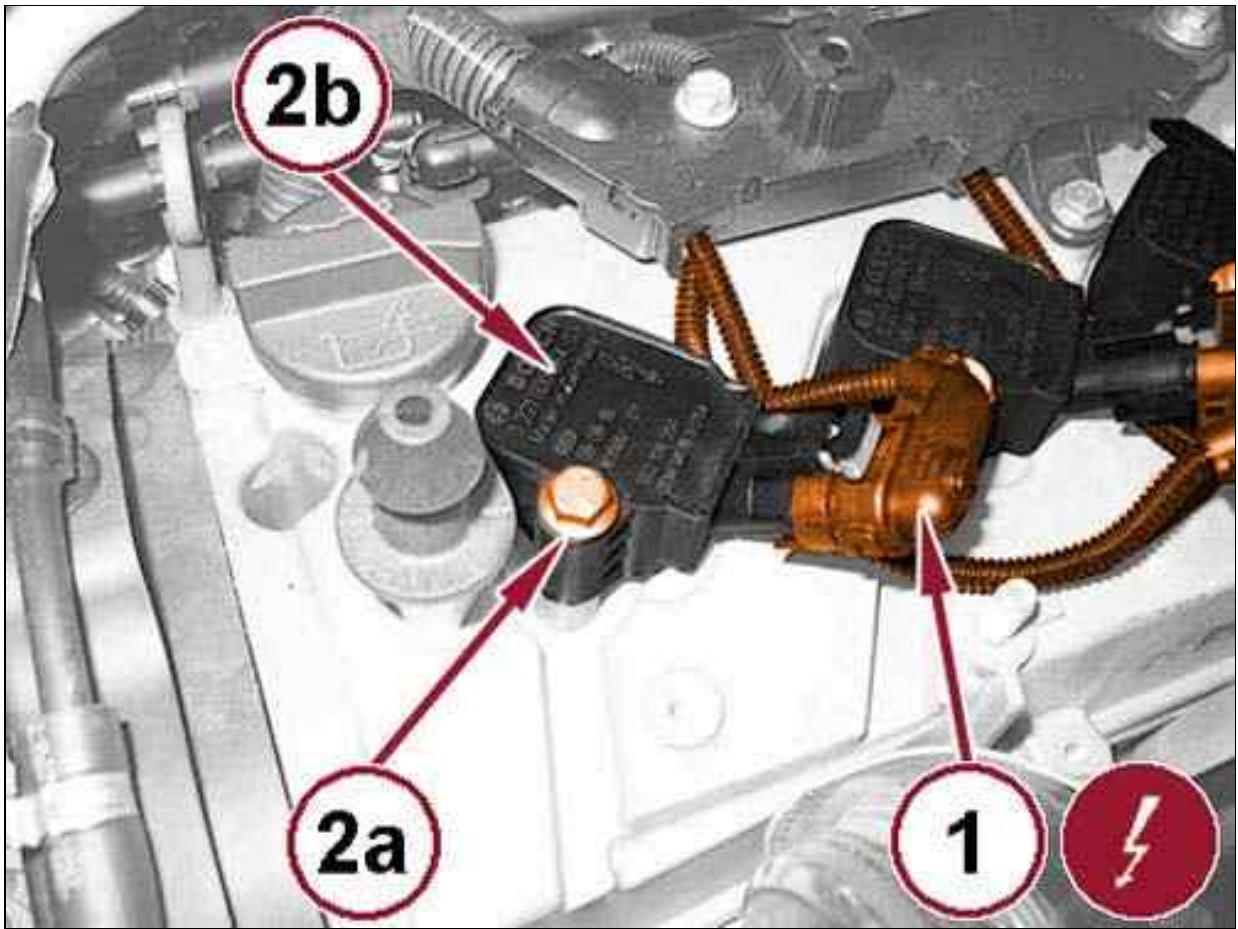


NOTE:

In order to ensure proper functionality and avoid serious damage to the engine, it is essential: only use spark plugs specifically certified for such engines, the same type and the same brand; strictly enforce the change interval of spark plugs provided in SPARK PLUGS .

- Replace the spark plugs operating as described below.

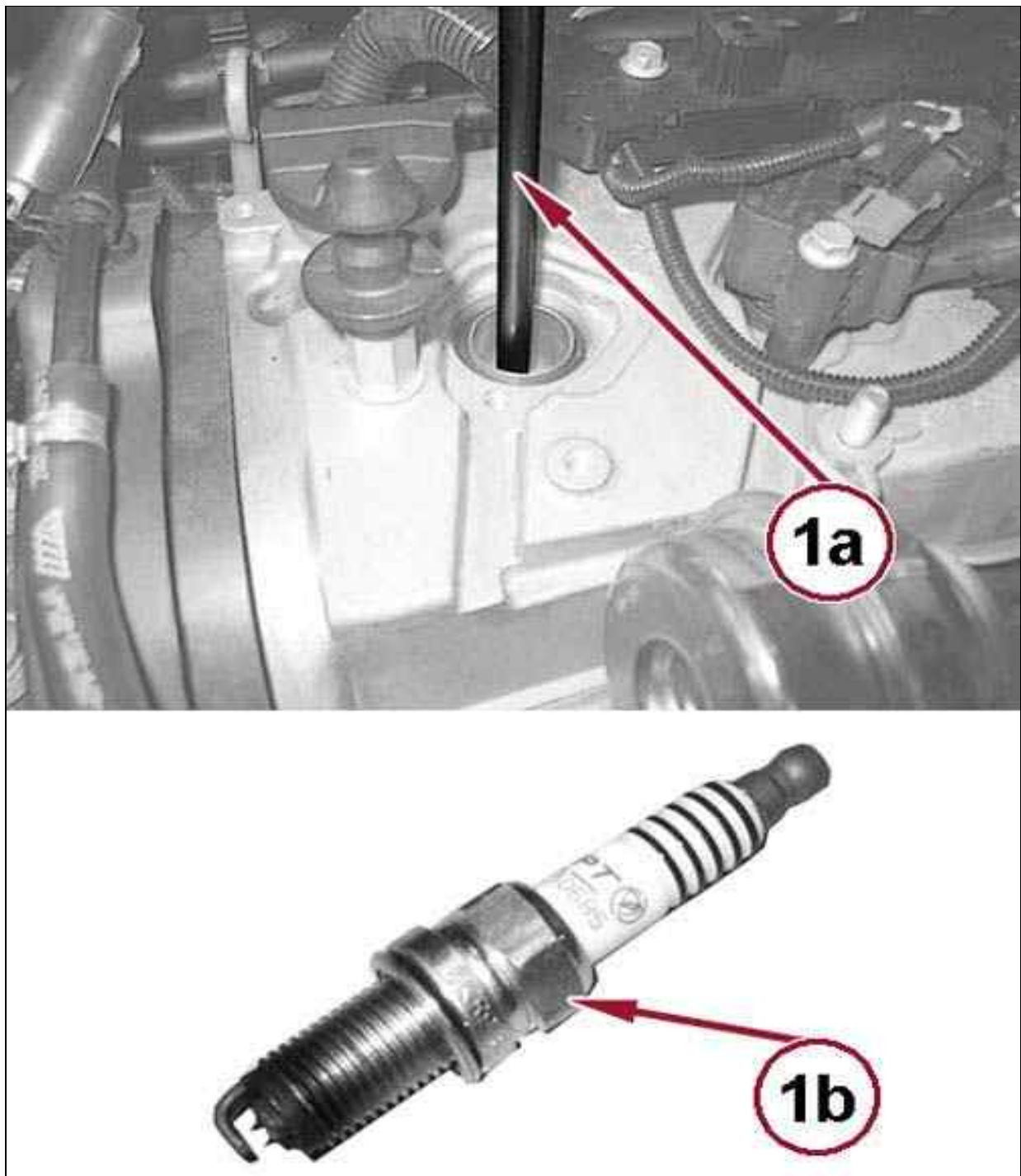
Fig 1: Ignition Coil Wire Harness Connectors, Ignition Coils & Bolts



Courtesy of CHRYSLER GROUP, LLC

- Disconnect the electrical connections of the ignition coils.
- Remove the screws (2a) and remove the ignition coils (2b).

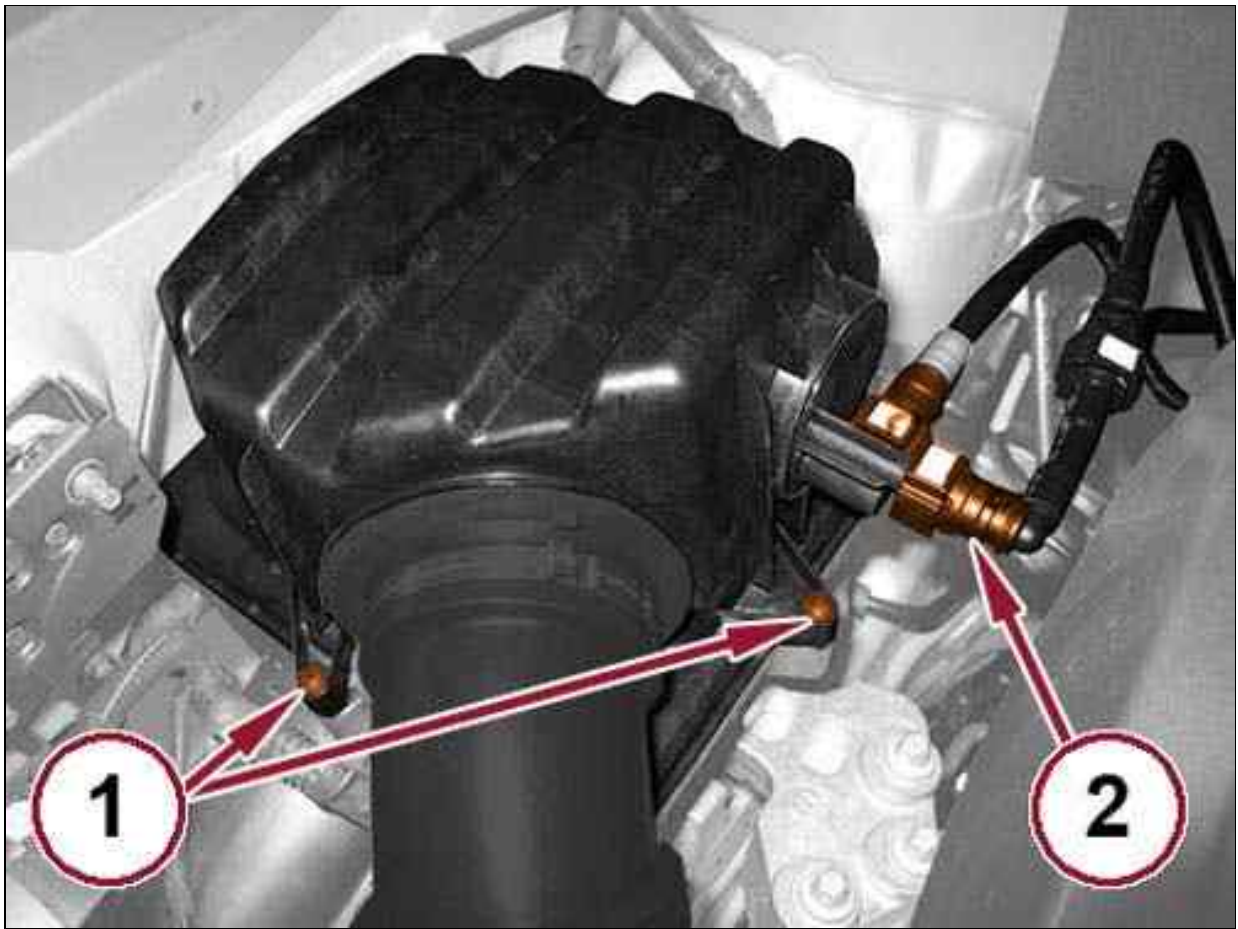
Fig 2: Spark Plug & Tool



Courtesy of CHRYSLER GROUP, LLC

- With appropriate tool (1a), unscrew and remove the spark plug for the engine (1b).
- Install the new engine spark plugs and tighten them to the specified torque.
- Install the ignition coils and tighten the screws to the specified torque.
- Connect the electrical connections of the ignition coils.
- Replace the air filter cartridge operating as described below.

Fig 3: Quick-Connect Hose & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.
- Disconnect the quick connect from the air filter cover.

Fig 4: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

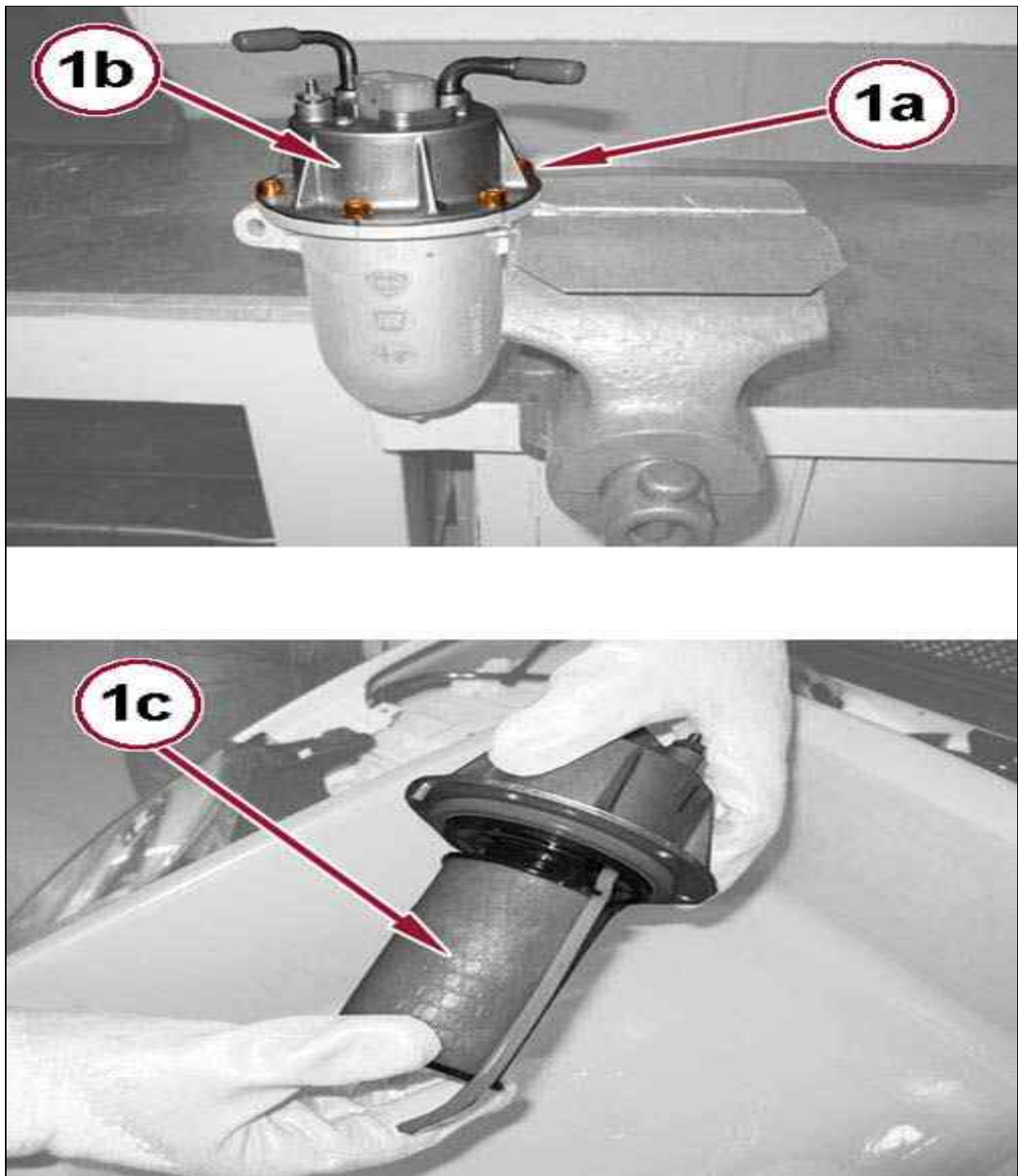
- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover, tighten the screws and the quick connect.
- Install the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .
- Replace the brake fluid. Refer to STANDARD PROCEDURE .
- Replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

MAINTENANCE SCHEDULES > INSPECTION > 40, 000KM SERVICE (2.0L TURBO DIESEL 1.6L TURBO DIESEL)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).

- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .
- Check, by means of diagnostic socket, power system operation / motor control, emissions and for versions / markets, where provided, engine oil degradation.
- Check cleanness of locks, hood and trunk lever cleanness and lubrication.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- Replacing oil and oil filter is indicated by light or message on the instrument panel depending on the use of the car. Must not exceed 2 years.
- If the car is used mainly on urban routes you need to replace the engine oil and filter every year.
- To replace oil and oil filter. Refer to FILTER, ENGINE OIL, REMOVAL AND INSTALLATION .
- If refueling the car with fuel of inferior quality to the European specification provided it is recommended to replace the fuel filter cartridge, operating as described below. (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .

Fig 1: Filter Element, Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Position the fuel filter in vise with protective jaws.

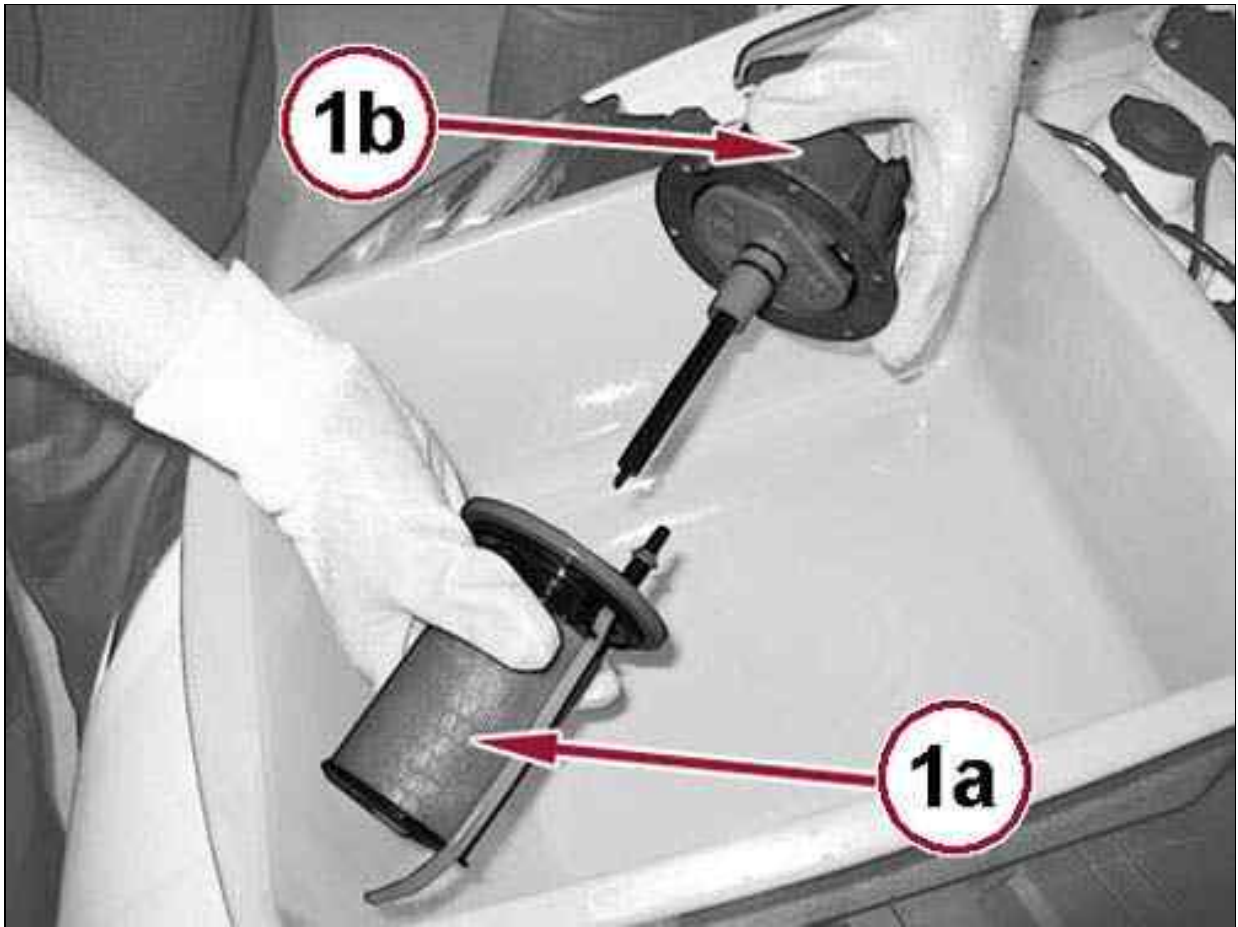


NOTE:

To avoid compromising the functionality of the new filter element, it is recommended to protect hands with suitable gloves when opening the protective and all stages of assembly.

- Remove the screws (1a), remove the cover (1b) complete with filter element (1c) and place in a suitable container.

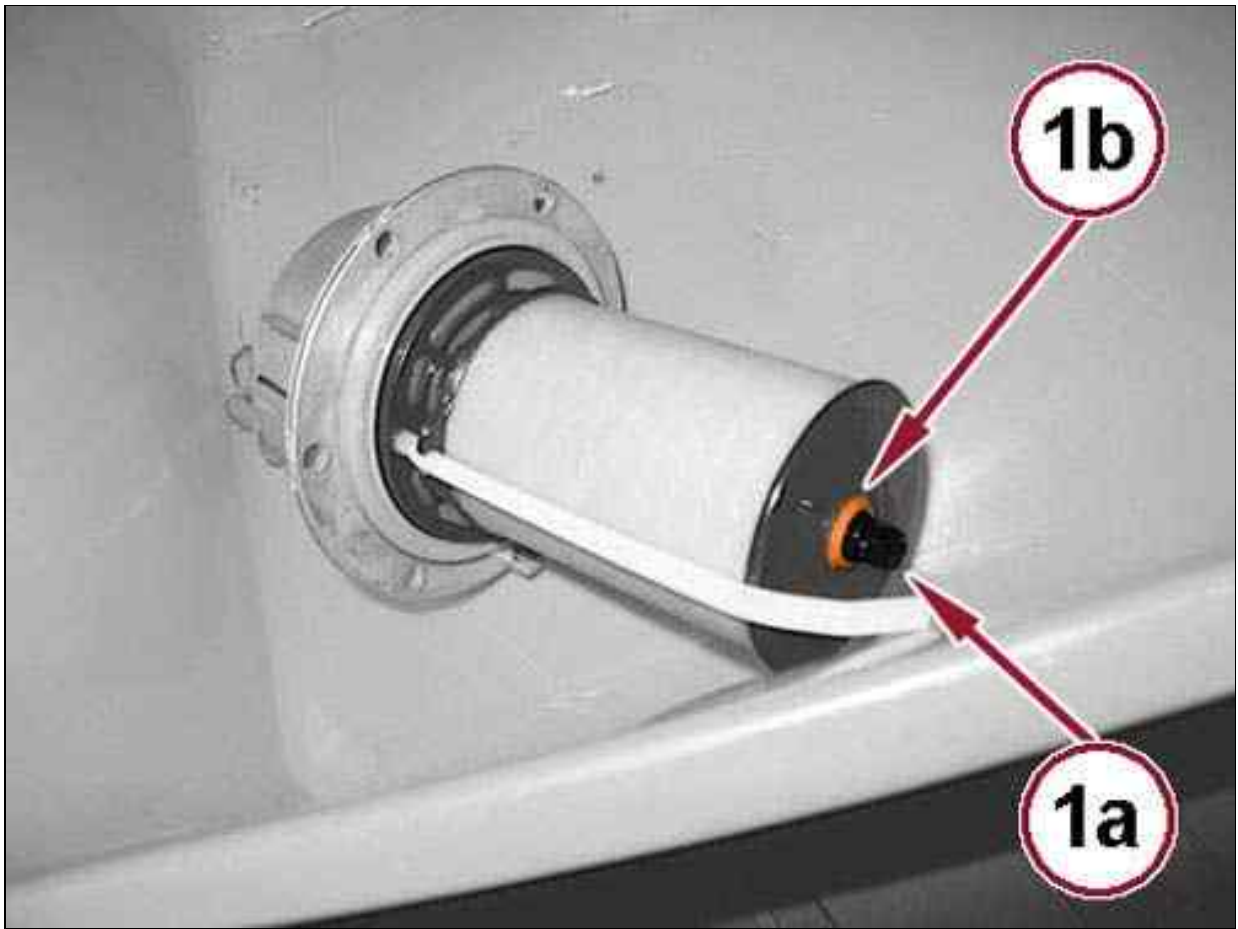
Fig 2: Filter Element & Cover



Courtesy of CHRYSLER GROUP, LLC

- Remove the filter element (1a) from the cover (1b).

Fig 3: Water Presence Sensor & Seal Ring



Courtesy of CHRYSLER GROUP, LLC

- Check the correct position of the water presence sensor (1a) and seal ring (1b).

Fig 4: Tooth & Groove



Courtesy of CHRYSLER GROUP, LLC

- Storing in its place the complete cover of filter element, taking care to engage the tooth with the groove of the support.
- Tighten the mounting screws on cover of fuel filter.
- Remove the fuel filter from the vise (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .
- Replace the air filter cartridge as described below.

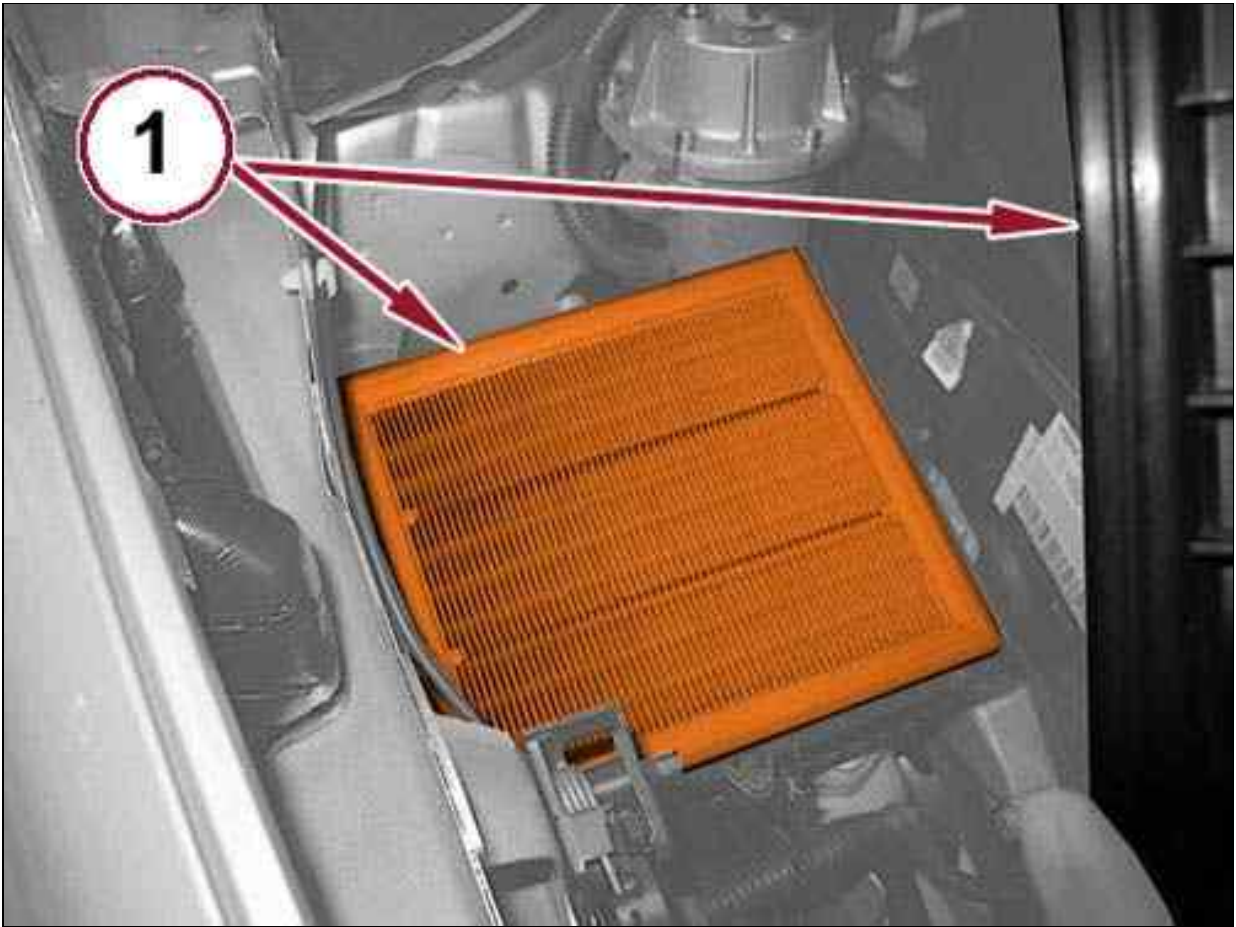
Fig 5: Air Filter Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.

Fig 6: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover and tighten the screws.
- Replace the brake fluid. Refer to STANDARD PROCEDURE .
- If the car is used in dusty conditions replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

MAINTENANCE SCHEDULES > INSPECTION > 45, 000KM SERVICE (1.4L TURBO MULTIAIR)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).
- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .

- Check, by means of diagnostic socket, power system operation / motor control, emissions and for versions / markets, where provided, engine oil degradation.
- Check positioning / wear of windscreen wiper front and rear.
- Check windscreen wiper washer and adjust nozzles.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- If the car is used in dusty conditions replace the air filter cartridge operating as described below:
- Remove the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .

Fig 1: Quick-Connect Hose & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.
- Disconnect the quick connect from the air filter cover.

Fig 2: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover, tighten the screws and the quick connect.
- Install the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .
- If the car is used in dusty replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

MAINTENANCE SCHEDULES > INSPECTION > 60, 000KM SERVICE (1.4L TURBO MULTIAIR 2.0L TURBO DIESEL 1.6L TURBO DIESEL)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).
- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .

- Check, by means of diagnostic socket, power system operation / motor control, emissions and for versions / markets, where provided, engine oil degradation.
- Visually inspect conditions and integrity: exterior bodywork, underbody protection, pipes and hoses (exhaust, fuel system and brakes), rubber parts (boots, sleeves, bushings, etc.).
- Check cleanness of locks, hood and trunk lever cleanness and lubrication.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- Check belt tension on accessory drive (versions without automatic tensioner).
- Visually check conditions timing belt.
- Check oil level of transfer case. Refer to STANDARD PROCEDURE .
- Check oil level of rear differential. Refer to FLUID, DIFFERENTIAL, STANDARD PROCEDURE .
- To replace oil and oil filter. Refer to FILTER, ENGINE OIL, REMOVAL AND INSTALLATION - 1.6L/2.0L or FILTER, ENGINE OIL, REMOVAL AND INSTALLATION - 2.4L . If the car is used with an annual mileage below 10, 000 km replace engine oil and filter every year.

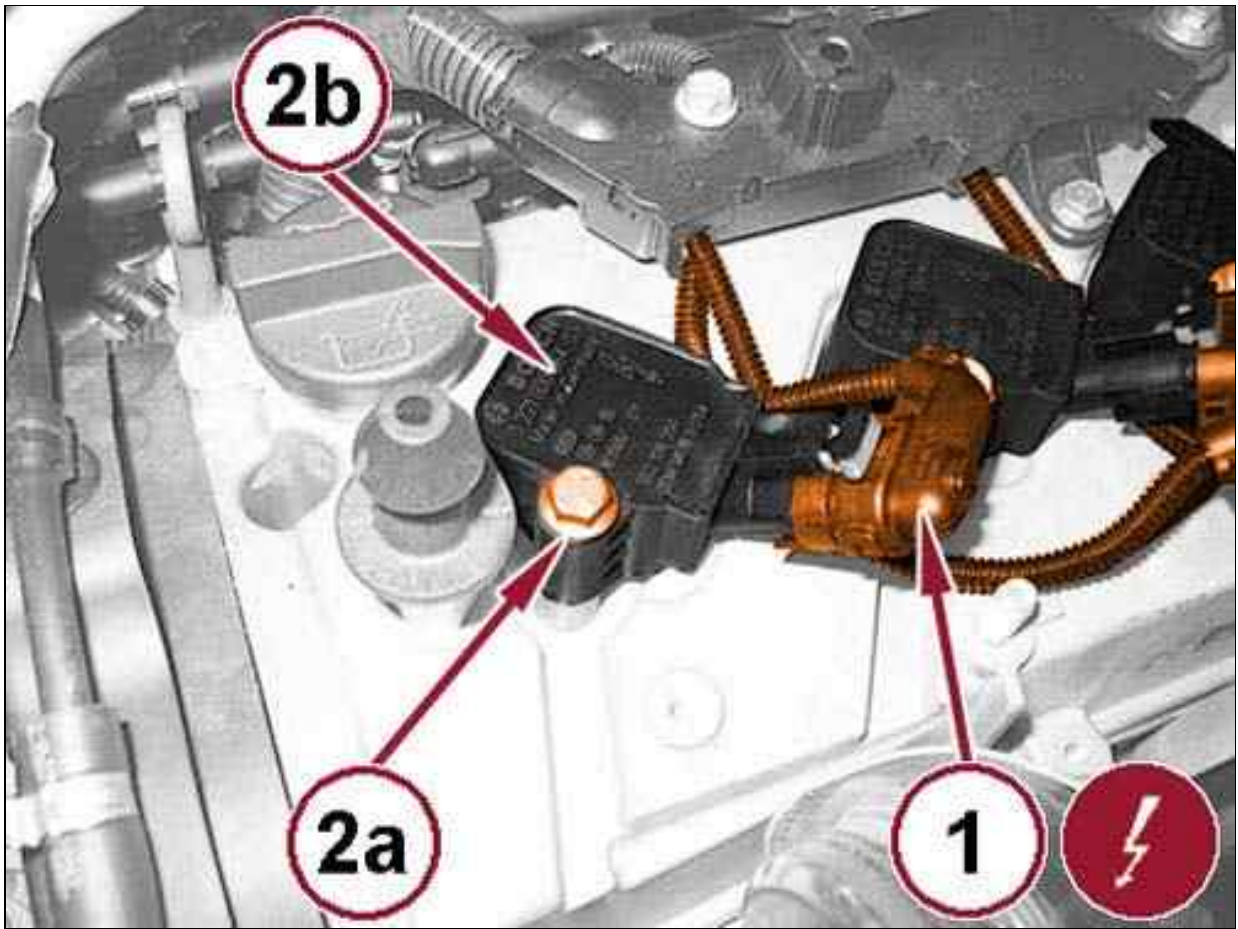


NOTE:

In order to ensure proper functionality and avoid serious damage to the engine, it is essential: only use spark plugs specifically certified for such engines, the same type and the same brand; strictly enforce the change interval of spark plugs provided in SPARK PLUGS .

- Replace the spark plugs operating as described below.

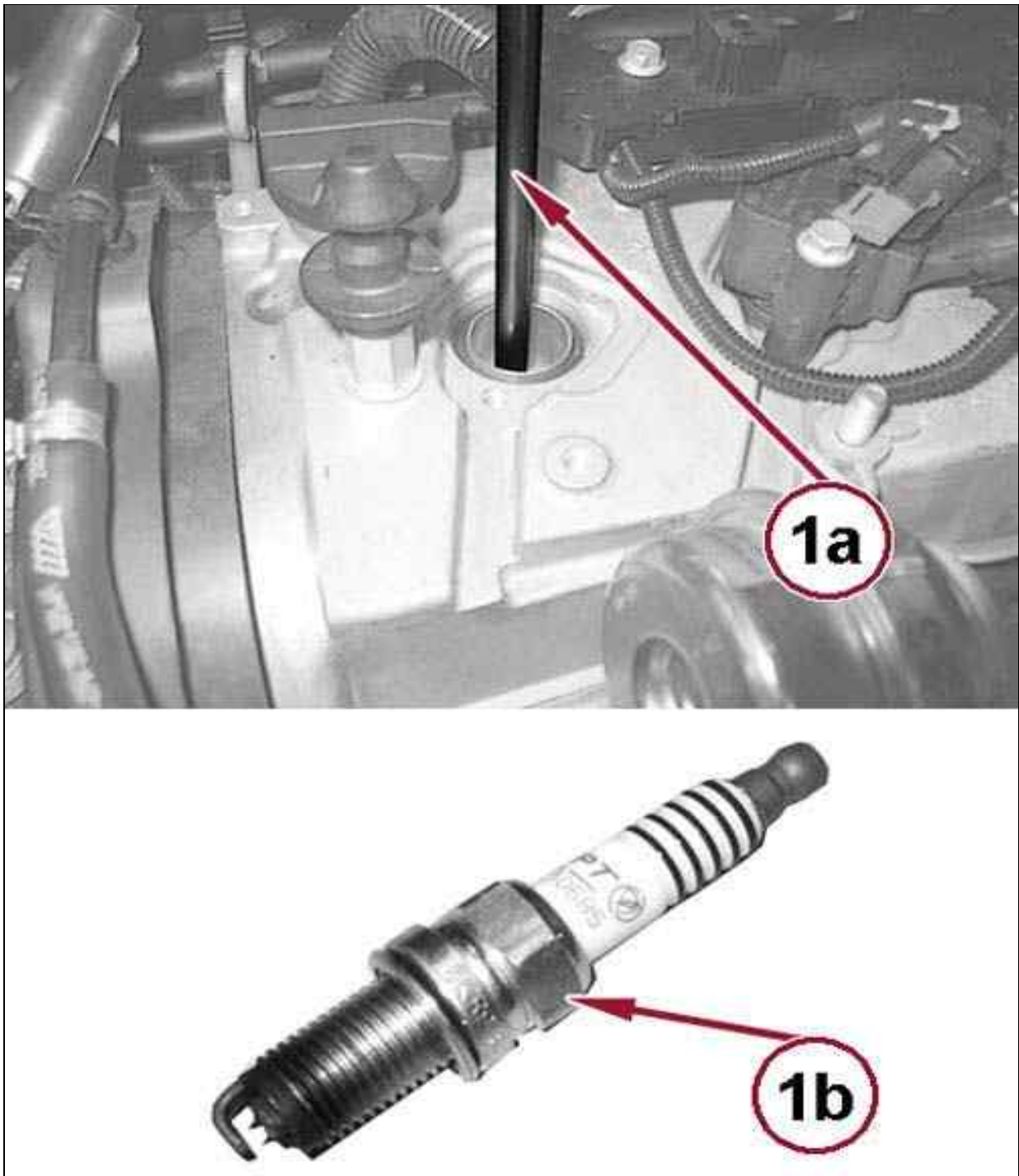
Fig 1: Ignition Coil Wire Harness Connectors, Ignition Coils & Bolts



Courtesy of CHRYSLER GROUP, LLC

- Disconnect the electrical connections of the ignition coils.
- Remove the screws (2a) and remove the ignition coils (2b).

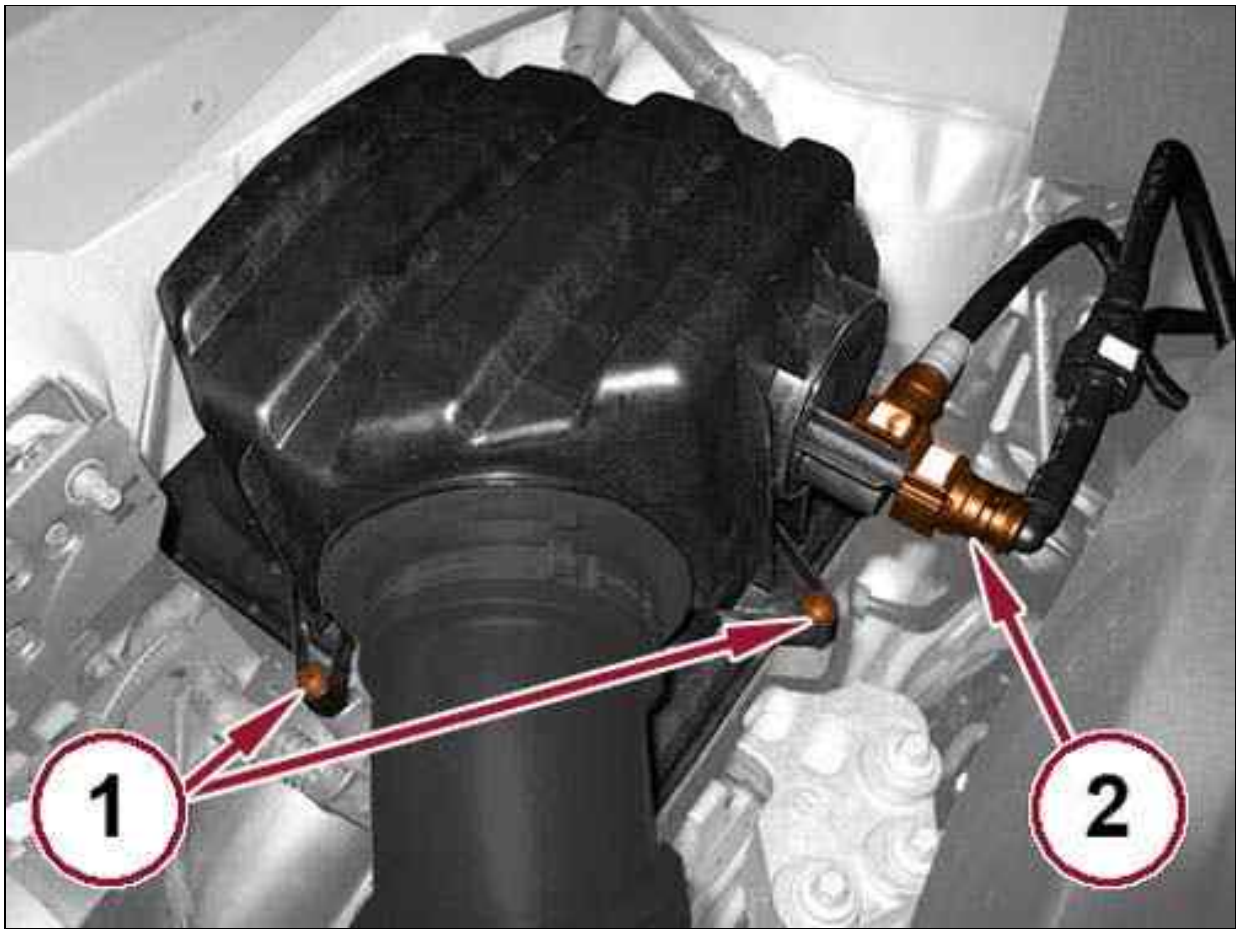
Fig 2: Spark Plug & Tool



Courtesy of CHRYSLER GROUP, LLC

- With appropriate tool (1a), unscrew and remove the spark plug for the engine (1b).
- Install the new engine spark plugs and tighten them to the specified torque.
- Install the ignition coils and tighten the screws to the specified torque.
- Connect the electrical connections of the ignition coils.
- Replace the air filter cartridge operating as described below.

Fig 3: Quick-Connect Hose & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.
- Disconnect the quick connect from the air filter cover.

Fig 4: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover, tighten the screws and the quick connect.
- Install the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION - 1.6L/2.0L or COVER, ENGINE, REMOVAL AND INSTALLATION - 1.4L .
- In the case of dusty areas and / or heavy use (cold climates, urban use, long idling) is recommended to replace the drive belt / s accessories.



NOTE:

Regardless of mileage, the belt should be replaced every four years.

- Replace the brake fluid. Refer to STANDARD PROCEDURE .
- Replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

2.0L Turbo Diesel 1.6L Turbo Diesel

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).

- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).
- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .
- Check, by means of diagnostic socket, power system operation / motor control, emissions and for versions / markets, where provided, engine oil degradation.
- Visually inspect conditions and integrity: exterior bodywork, underbody protection, pipes and hoses (exhaust, fuel system and brakes), rubber parts (boots, sleeves, bushings, etc.).
- Check cleanness of locks, hood and trunk lever cleanness and lubrication.
- Check positioning / wear of windscreen wiper front and rear.
- Check windscreen wiper washer and adjust nozzles.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- Check belt tension on the accessory drive (versions without automatic tensioner).
- Visually check condition of timing belt.
- 4x4 versions only:
- Check oil level of transfer case. Refer to STANDARD PROCEDURE .
- Check oil level of rear differential. Refer to FLUID, DIFFERENTIAL, STANDARD PROCEDURE .
- Replacing oil and oil filter is indicated by light or message on the instrument panel depending on the use of the car. Must not exceed 2 years.
- If the car is used mainly on urban routes you need to replace the engine oil and filter every year.
- To replace oil and oil filter. Refer to FILTER, ENGINE OIL, REMOVAL AND INSTALLATION .
- In the case of dusty areas and / or heavy use (cold climates, urban use, long idling) is recommended to replace the drive belt / s accessories.

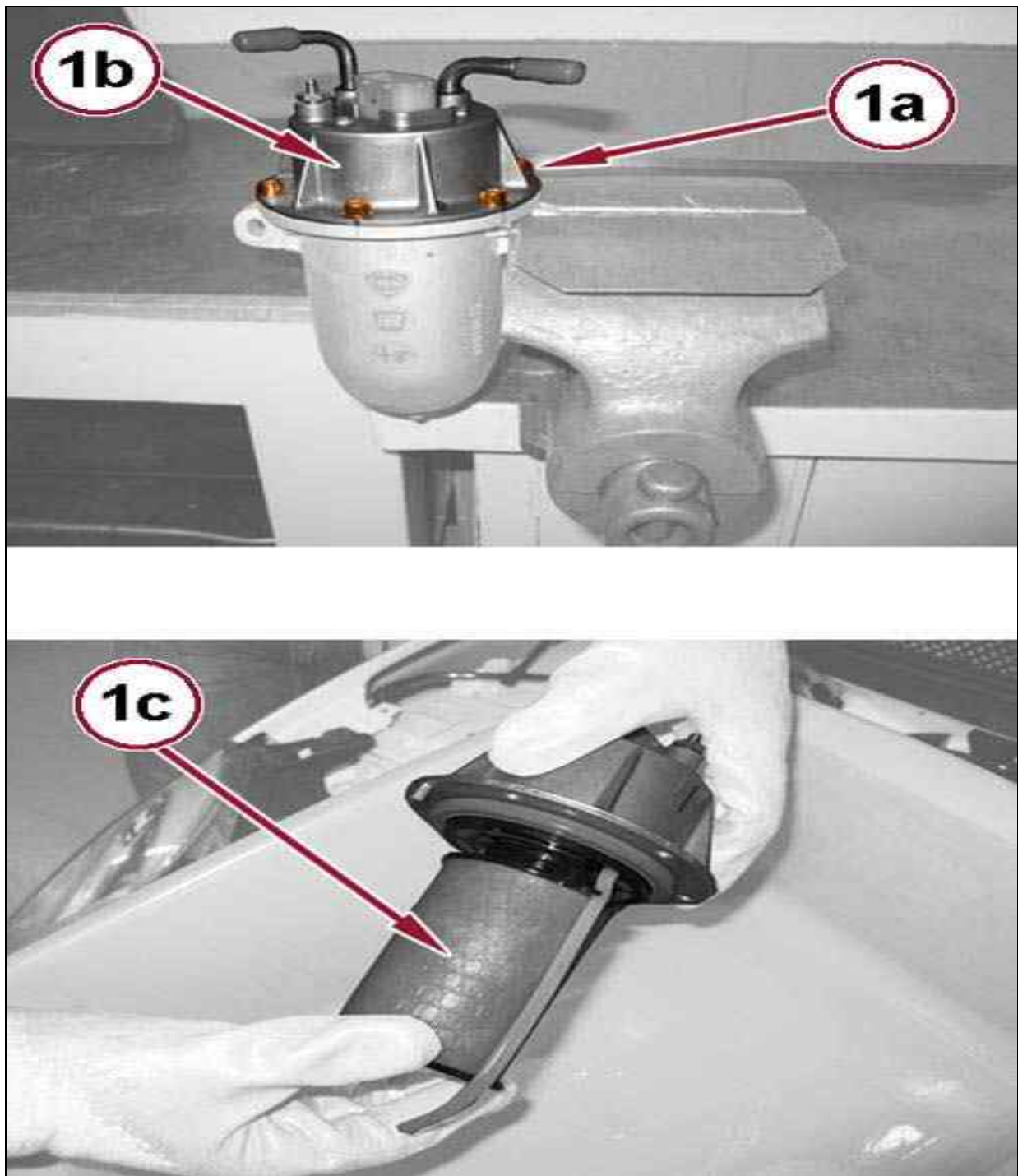


NOTE:

Regardless of mileage, the belt should be replaced every four years.

- Replace the fuel filter cartridge, operating as described below. (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .

Fig 5: Filter Element, Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Position the fuel filter in vise with protective jaws.

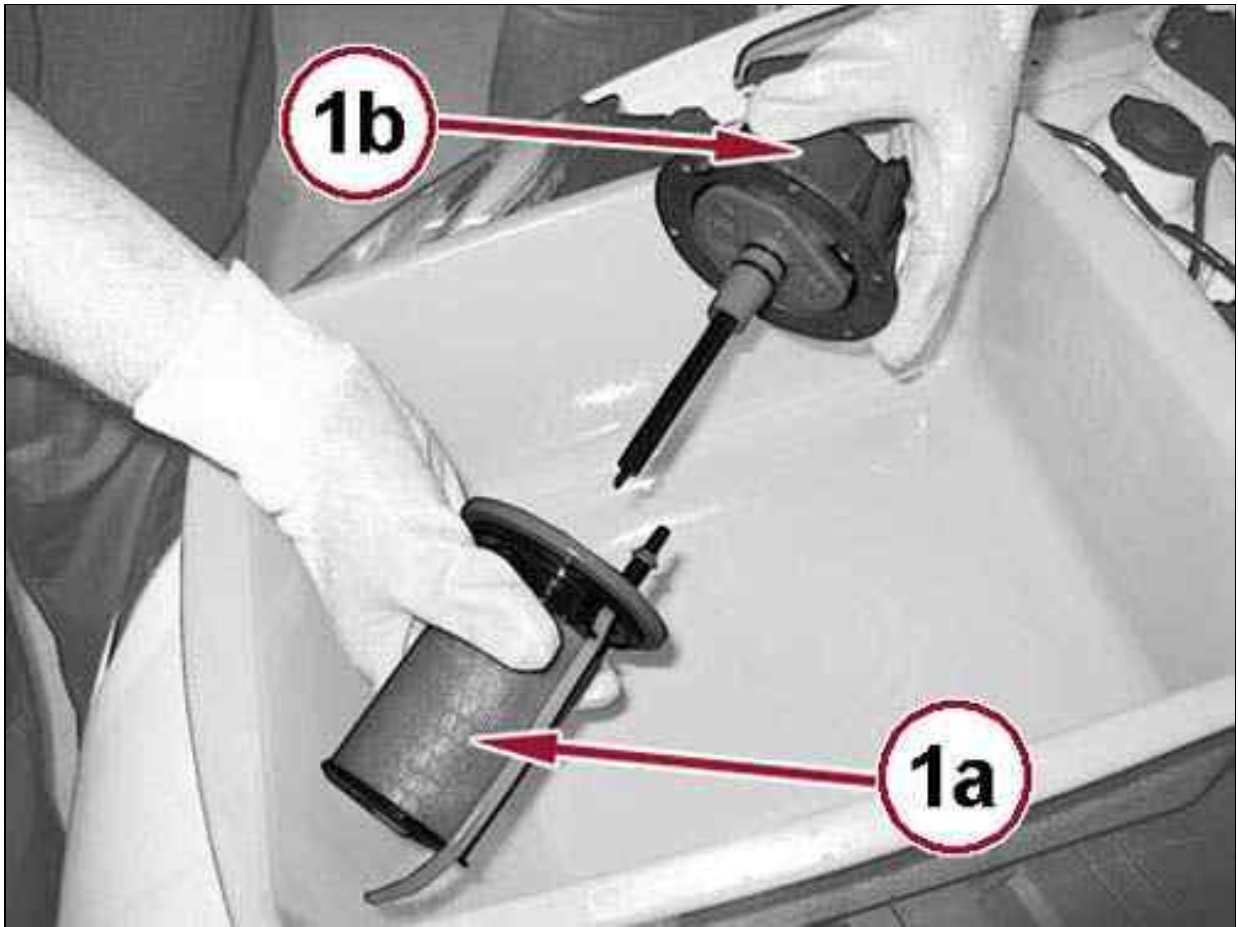


NOTE:

To avoid compromising the functionality of the new filter element, it is recommended to protect hands with suitable gloves when opening the protective and all stages of assembly.

- Remove the screws (1a), remove the cover (1b) complete with filter element (1c) and place in a suitable container.

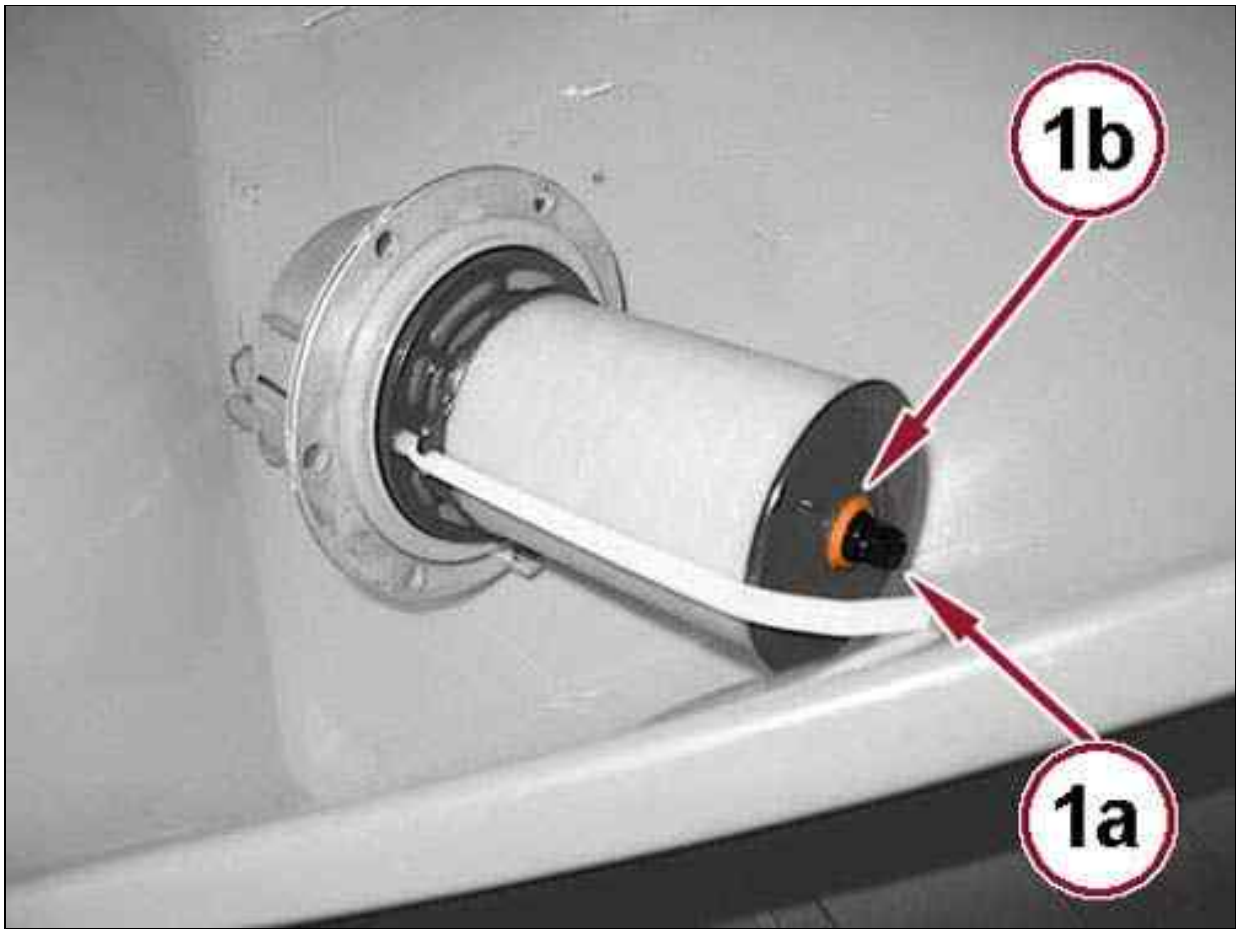
Fig 6: Filter Element & Cover



Courtesy of CHRYSLER GROUP, LLC

- Remove the filter element (1a) from the cover (1b).

Fig 7: Water Presence Sensor & Seal Ring



Courtesy of CHRYSLER GROUP, LLC

- Check the correct position of the water presence sensor (1a) and seal ring (1b).

Fig 8: Tooth & Groove



Courtesy of CHRYSLER GROUP, LLC

- Storing in its place the complete cover of filter element, taking care to engage the tooth with the groove of the support.
- Tighten the mounting screws on cover of fuel filter.
- Remove the fuel filter from the vise (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .
- Replace the air filter cartridge as described below.

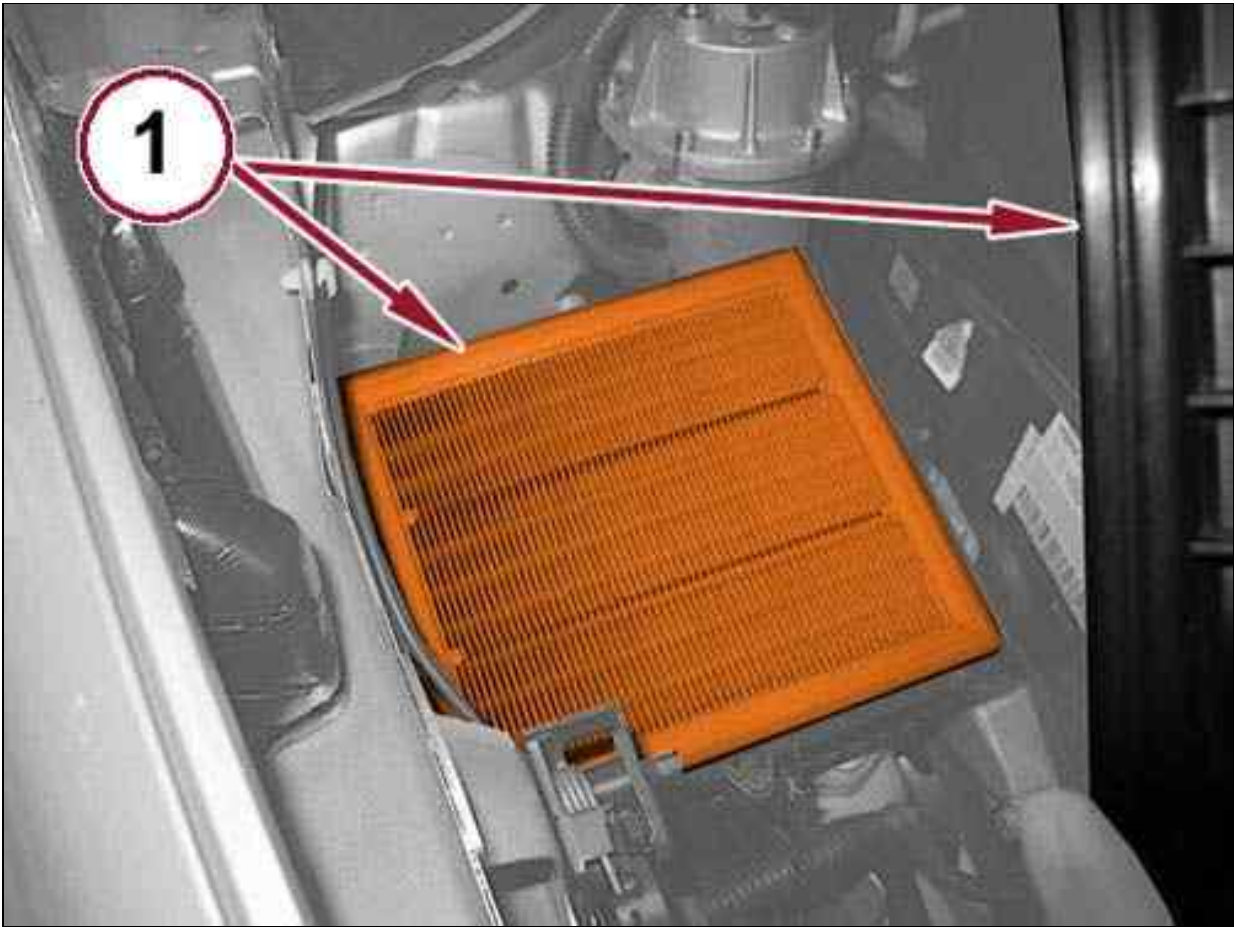
Fig 9: Air Filter Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.

Fig 10: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover and tighten the screws.
- If the car is used in dusty conditions replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

MAINTENANCE SCHEDULES > INSPECTION > 75, 000KM SERVICE (2.4L MULTIAIR2 1.4L TURBO MULTIAIR)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).
- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .
- Check, by means of diagnostic socket, power system operation / motor control, emissions and for

versions / markets, where provided, engine oil degradation.

- Check positioning / wear of windscreen wiper front and rear.
- Check windscreen wiper washer and adjust nozzles.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- If the car is used in dusty conditions replace the air filter cartridge operating as described below:
- Remove the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION - 1.4L or COVER, ENGINE, REMOVAL AND INSTALLATION - 2.4L.

Fig 1: Quick-Connect Hose & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.
- Disconnect the quick connect from the air filter cover.

Fig 2: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

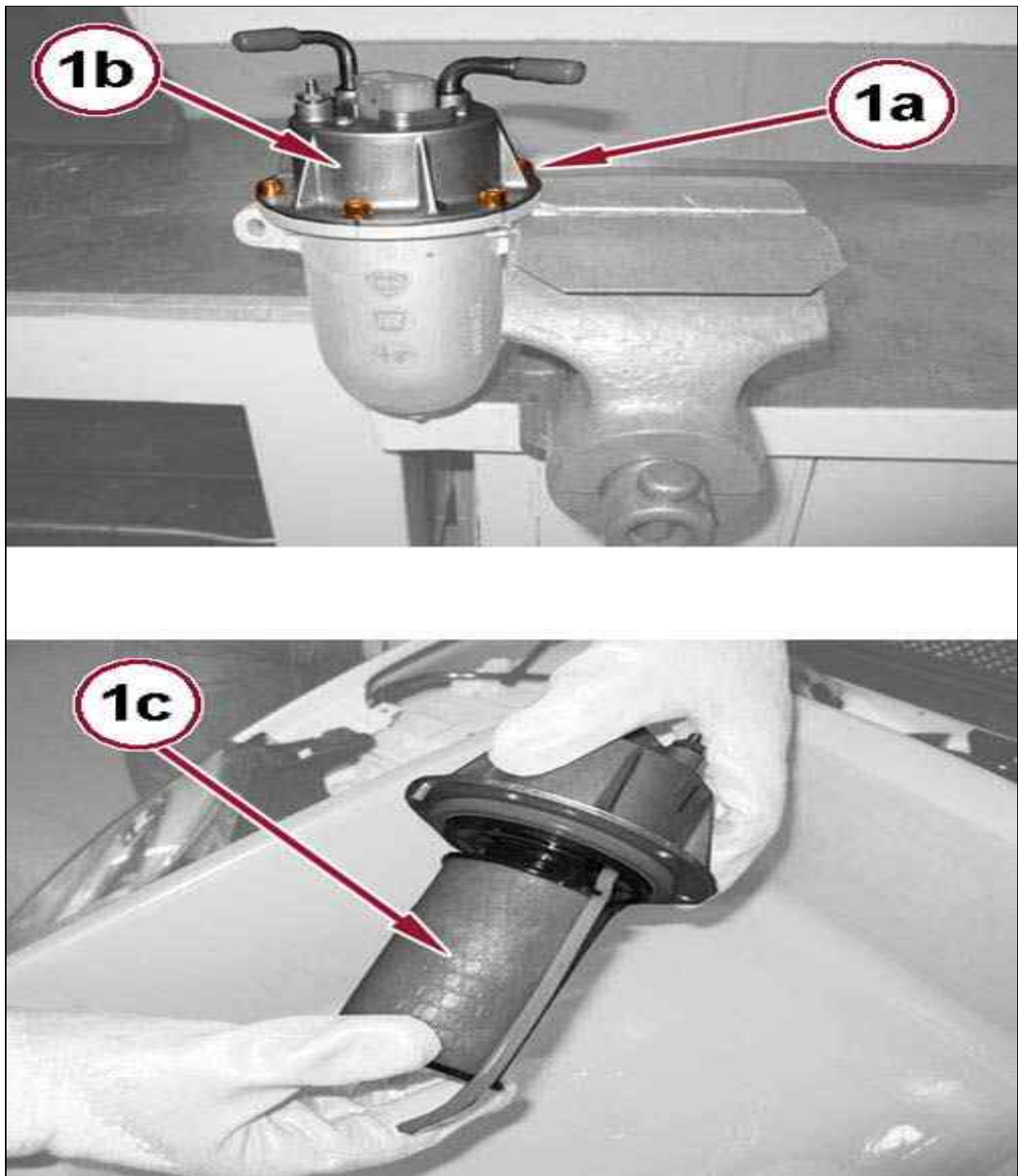
- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover, tighten the screws and the quick connect.
- Install the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION - 1.4L or COVER, ENGINE, REMOVAL AND INSTALLATION - 2.4L.
- If the car is used in dusty replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

MAINTENANCE SCHEDULES > INSPECTION > 80, 000KM SERVICE (2.0L TURBO DIESEL 1.6L TURBO DIESEL)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).

- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .
- Check, by means of diagnostic socket, power system operation / motor control, emissions and for versions / markets, where provided, engine oil degradation.
- Check cleanness of locks, hood and trunk lever cleanness and lubrication.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- Visually check conditions / belt and accessory drive (versions without automatic tensioner).
- Replacing oil and oil filter is indicated by light or message on the instrument panel depending on the use of the car. Must not exceed 2 years.
- If the car is used mainly on urban routes you need to replace the engine oil and filter every year.
- To replace oil and oil filter. Refer to FILTER, ENGINE OIL, REMOVAL AND INSTALLATION .
- If refueling the car with fuel of inferior quality to the European specification provided it is recommended to replace the fuel filter cartridge, operating as described below. (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .

Fig 1: Filter Element, Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Position the fuel filter in vise with protective jaws.

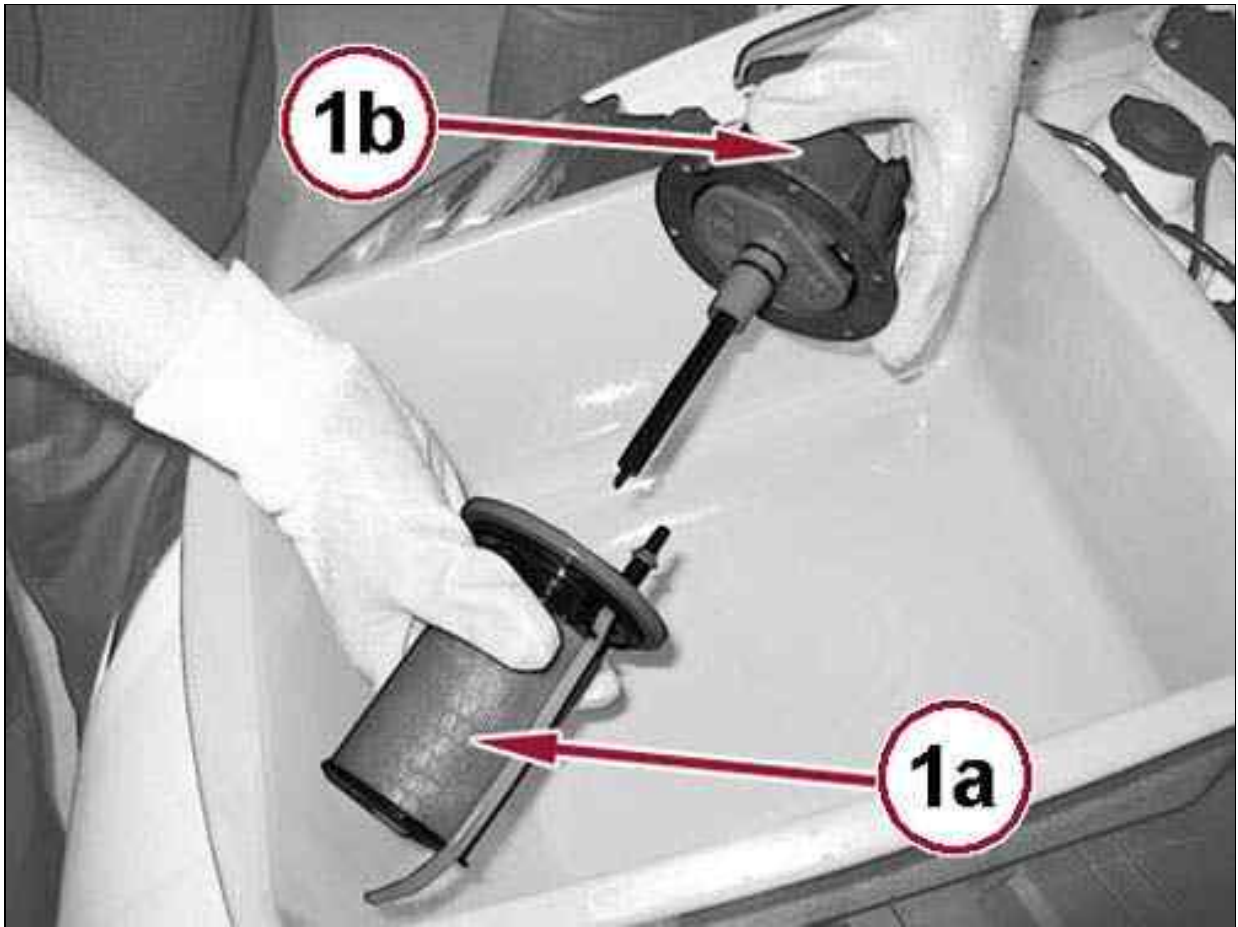


NOTE:

To avoid compromising the functionality of the new filter element, it is recommended to protect hands with suitable gloves when opening the protective and all stages of assembly.

- Remove the screws (1a), remove the cover (1b) complete with filter element (1c) and place in a suitable container.

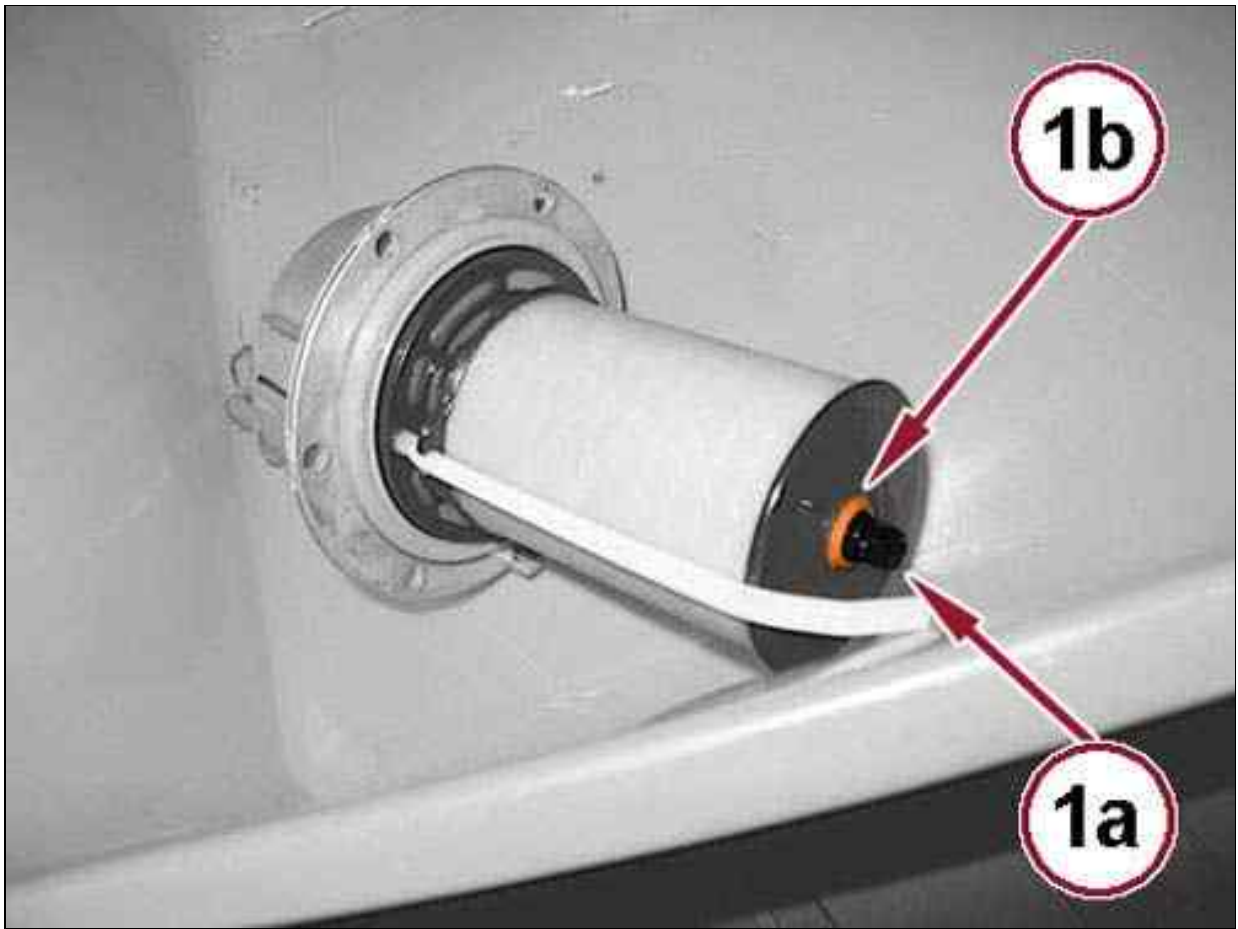
Fig 2: Filter Element & Cover



Courtesy of CHRYSLER GROUP, LLC

- Remove the filter element (1a) from the cover (1b).

Fig 3: Water Presence Sensor & Seal Ring



Courtesy of CHRYSLER GROUP, LLC

- Check the correct position of the water presence sensor (1a) and seal ring (1b).

Fig 4: Tooth & Groove



Courtesy of CHRYSLER GROUP, LLC

- Storing in its place the complete cover of filter element, taking care to engage the tooth with the groove of the support.
- Tighten the mounting screws on cover of fuel filter.
- Remove the fuel filter from the vise (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .
- If the car is used in dusty conditions replace the air filter cartridge operating as described below.

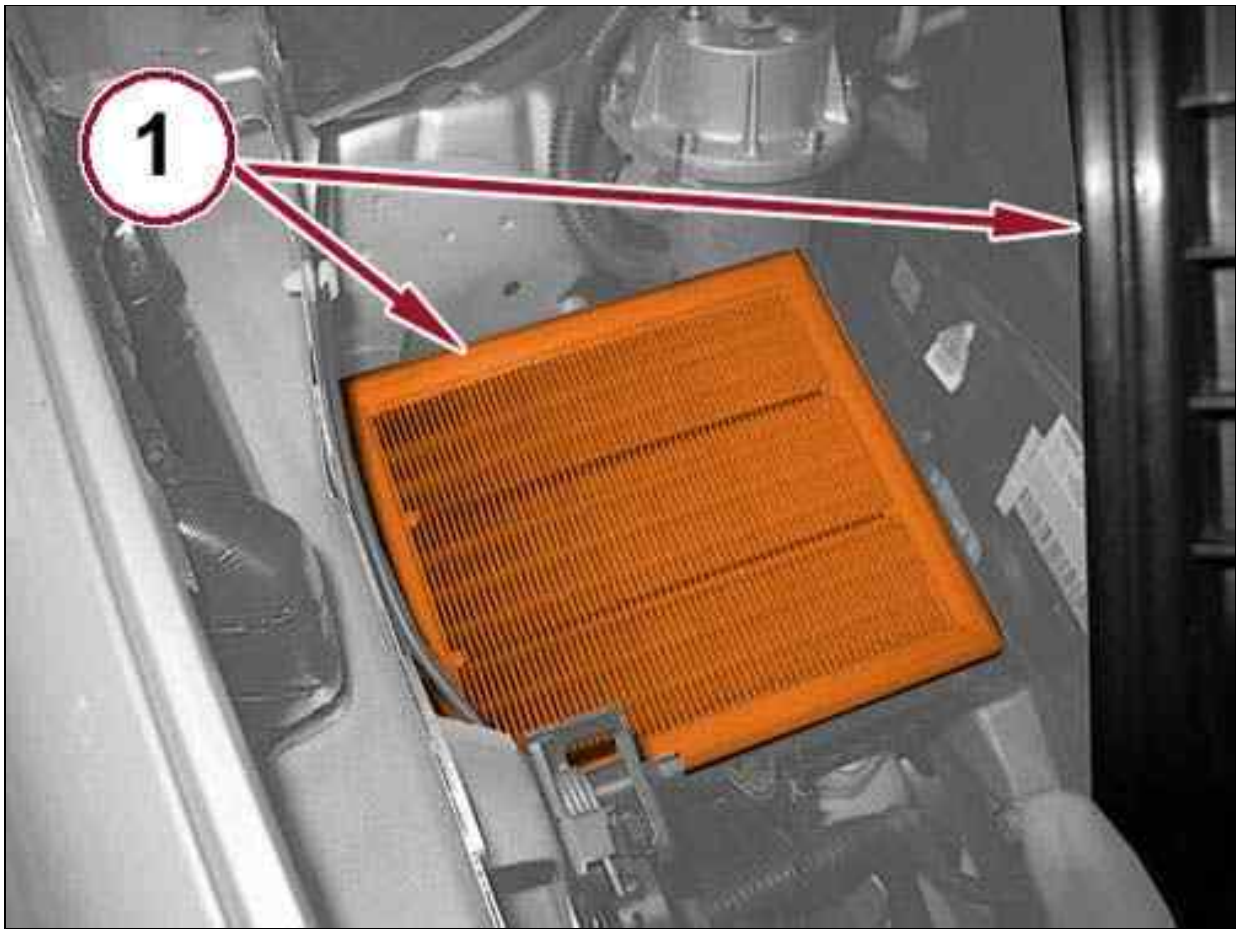
Fig 5: Air Filter Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.

Fig 6: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover and tighten the screws.

MAINTENANCE SCHEDULES > INSPECTION > 90, 000KM SERVICE (1.4L TURBO MULTIAIR)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).
- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .
- Check, by means of diagnostic socket, power system operation / motor control, emissions and for versions / markets, where provided, engine oil degradation.
- Visually inspect conditions and integrity: exterior bodywork, underbody protection, pipes and hoses

(exhaust, fuel system and brakes), rubber parts (boots, sleeves, bushings, etc.).

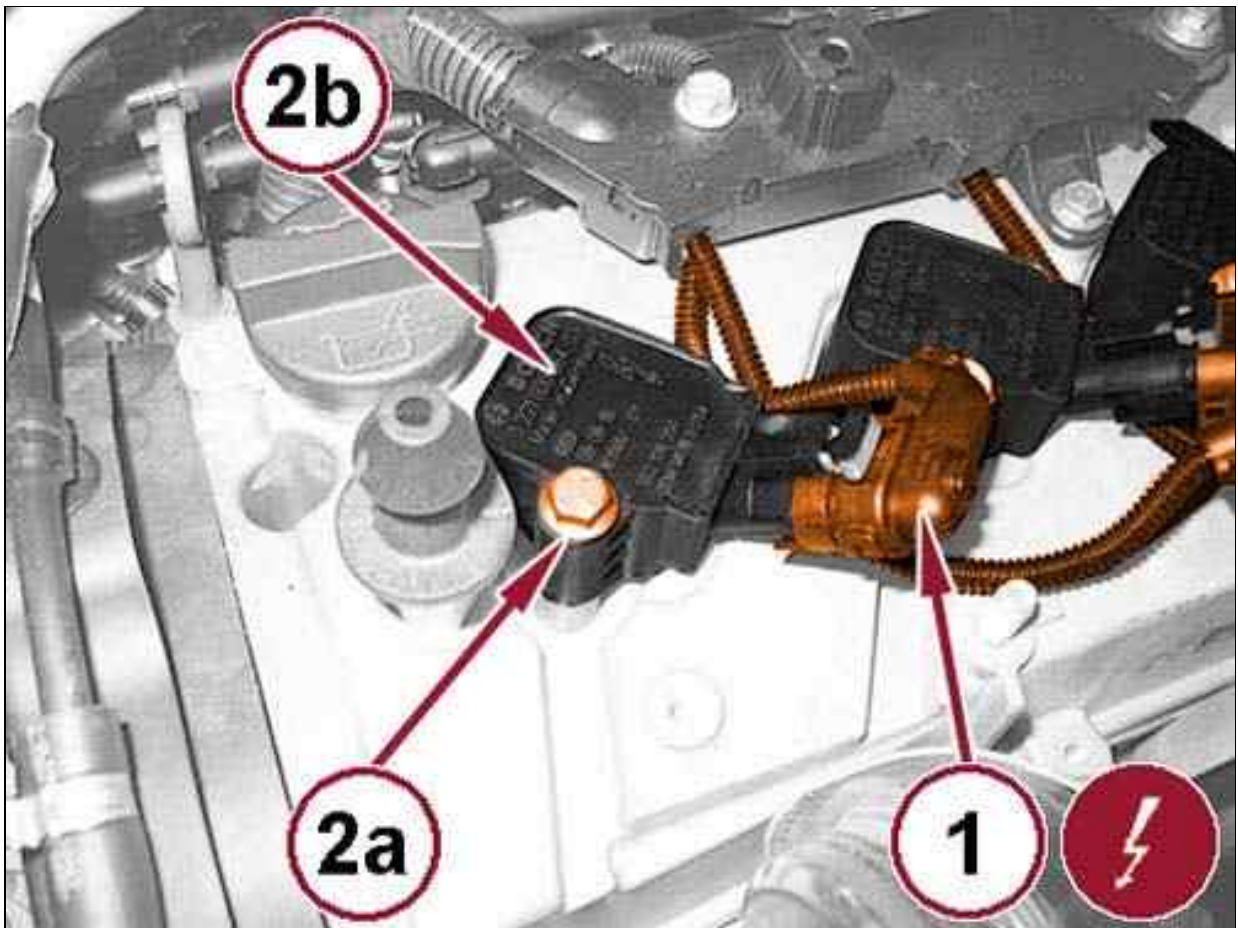
- Check cleanness of locks, hood and trunk lever cleanness and lubrication.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- Check belt tension on accessory drive (versions without automatic tensioner).
- To replace oil and oil filter. Refer to FILTER, ENGINE OIL, REMOVAL AND INSTALLATION . If the car is used with an annual mileage below 10, 000 km replace engine oil and filter every year.

 NOTE:

In order to ensure proper functionality and avoid serious damage to the engine, it is essential: only use spark plugs specifically certified for such engines, the same type and the same brand; strictly enforce the change interval of spark plugs provided in SPARK PLUGS .

- Replace the spark plugs operating as described below.

Fig 1: Ignition Coil Wire Harness Connectors, Ignition Coils & Bolts

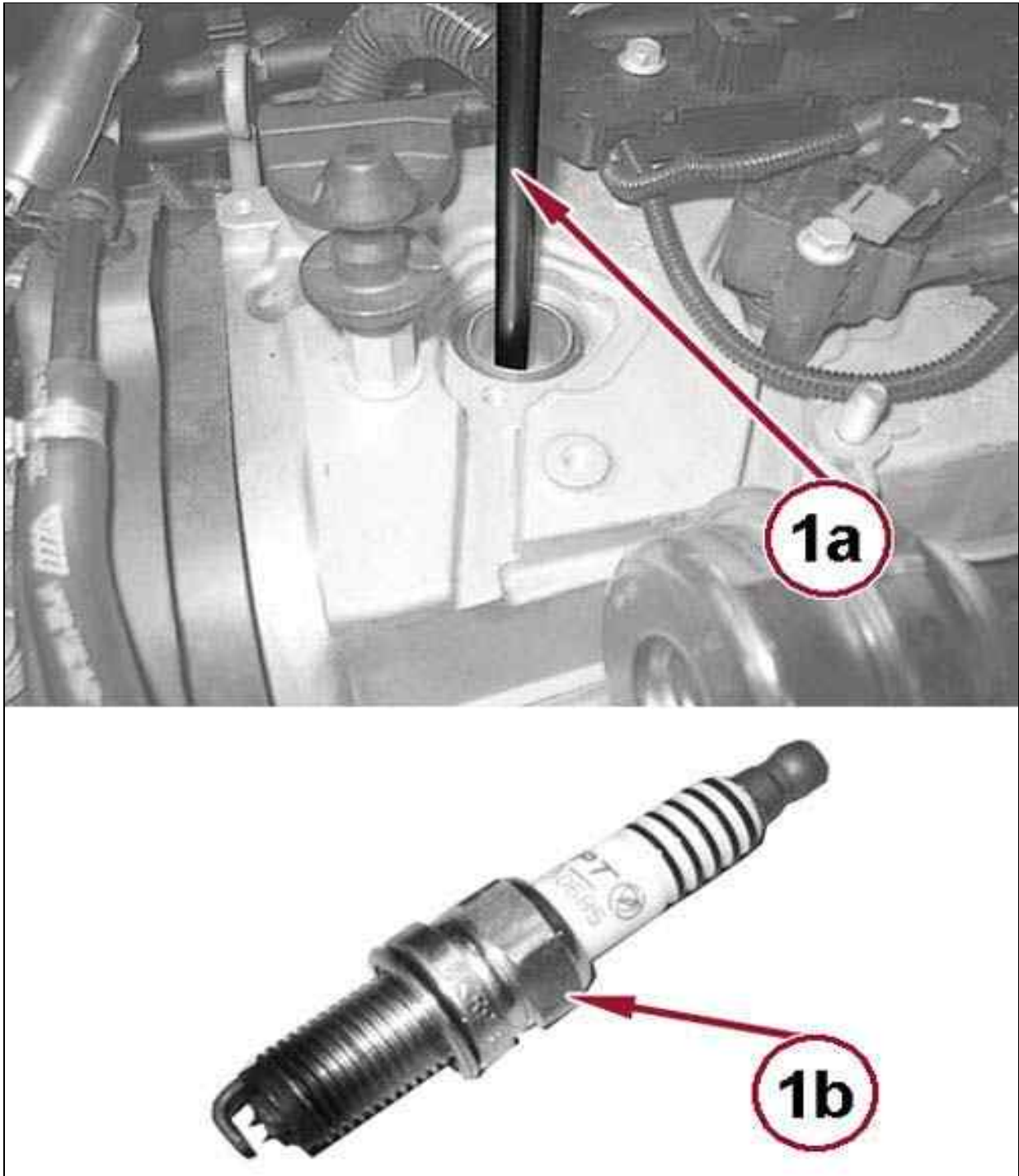


Courtesy of CHRYSLER GROUP, LLC

- Disconnect the electrical connections of the ignition coils.

- Remove the screws (2a) and remove the ignition coils (2b).

Fig 2: Spark Plug & Tool

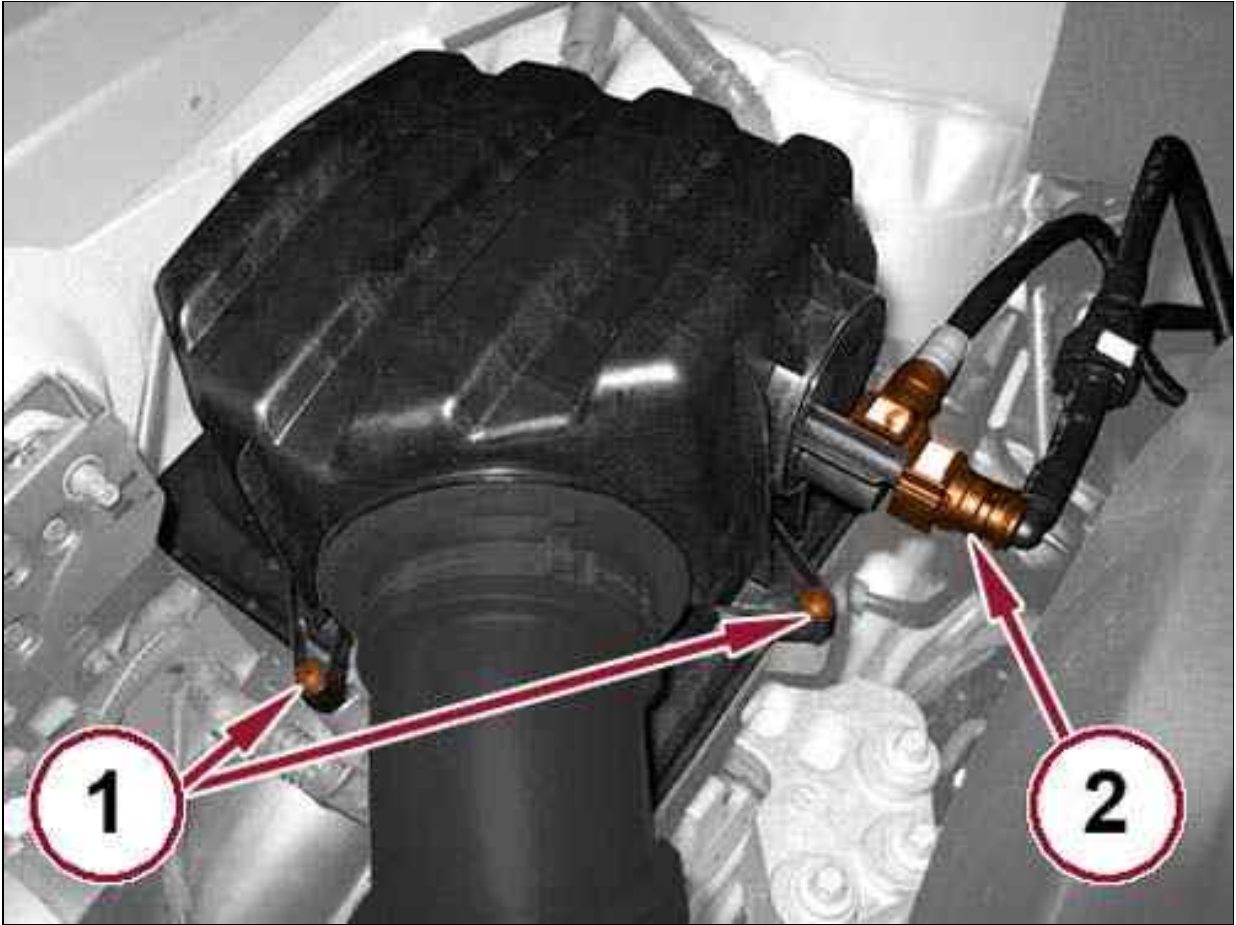


Courtesy of CHRYSLER GROUP, LLC

- With appropriate tool (1a), unscrew and remove the spark plug for the engine (1b).
- Install the new engine spark plugs and tighten them to the specified torque.
- Install the ignition coils and tighten the screws to the specified torque.
- Connect the electrical connections of the ignition coils.

- Replace the air filter cartridge operating as described below.

Fig 3: Quick-Connect Hose & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.
- Disconnect the quick connect from the air filter cover.

Fig 4: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

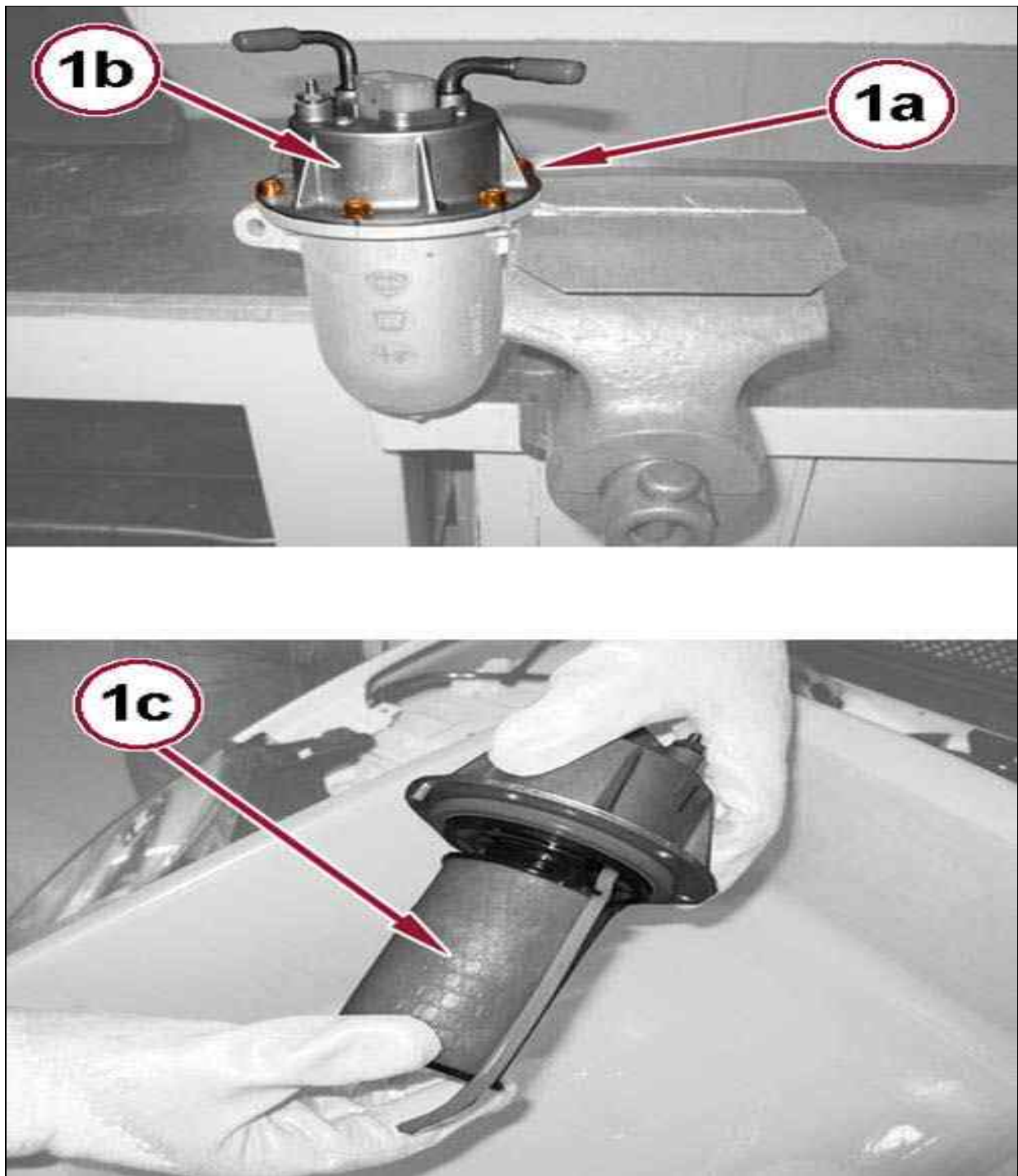
- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover, tighten the screws and the quick connect.
- Install the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .
- Replace the brake fluid. Refer to STANDARD PROCEDURE .
- Replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

MAINTENANCE SCHEDULES > INSPECTION > 100, 000KM SERVICE (2.0L TURBO DIESEL 1.6L TURBO DIESEL)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).

- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .
- Check, by means of diagnostic socket, power system operation / motor control, emissions and for versions / markets, where provided, engine oil degradation.
- Visually inspect conditions and integrity: exterior bodywork, underbody protection, pipes and hoses (exhaust, fuel system and brakes), rubber parts (boots, sleeves, bushings, etc.).
- Check positioning / wear of windscreen wiper front and rear.
- Check windscreen wiper washer and adjust nozzles.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- Visually check conditions / belt and accessory drive (versions without automatic tensioner).
- Replacing oil and oil filter is indicated by light or message on the instrument panel depending on the use of the car. Must not exceed 2 years.
- If the car is used mainly on urban routes you need to replace the engine oil and filter every year.
- To replace oil and oil filter. Refer to FILTER, ENGINE OIL, REMOVAL AND INSTALLATION .
- If refueling the car with fuel of inferior quality to the European specification provided it is recommended to replace the fuel filter cartridge, operating as described below. (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .

Fig 1: Filter Element, Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Position the fuel filter in vise with protective jaws.

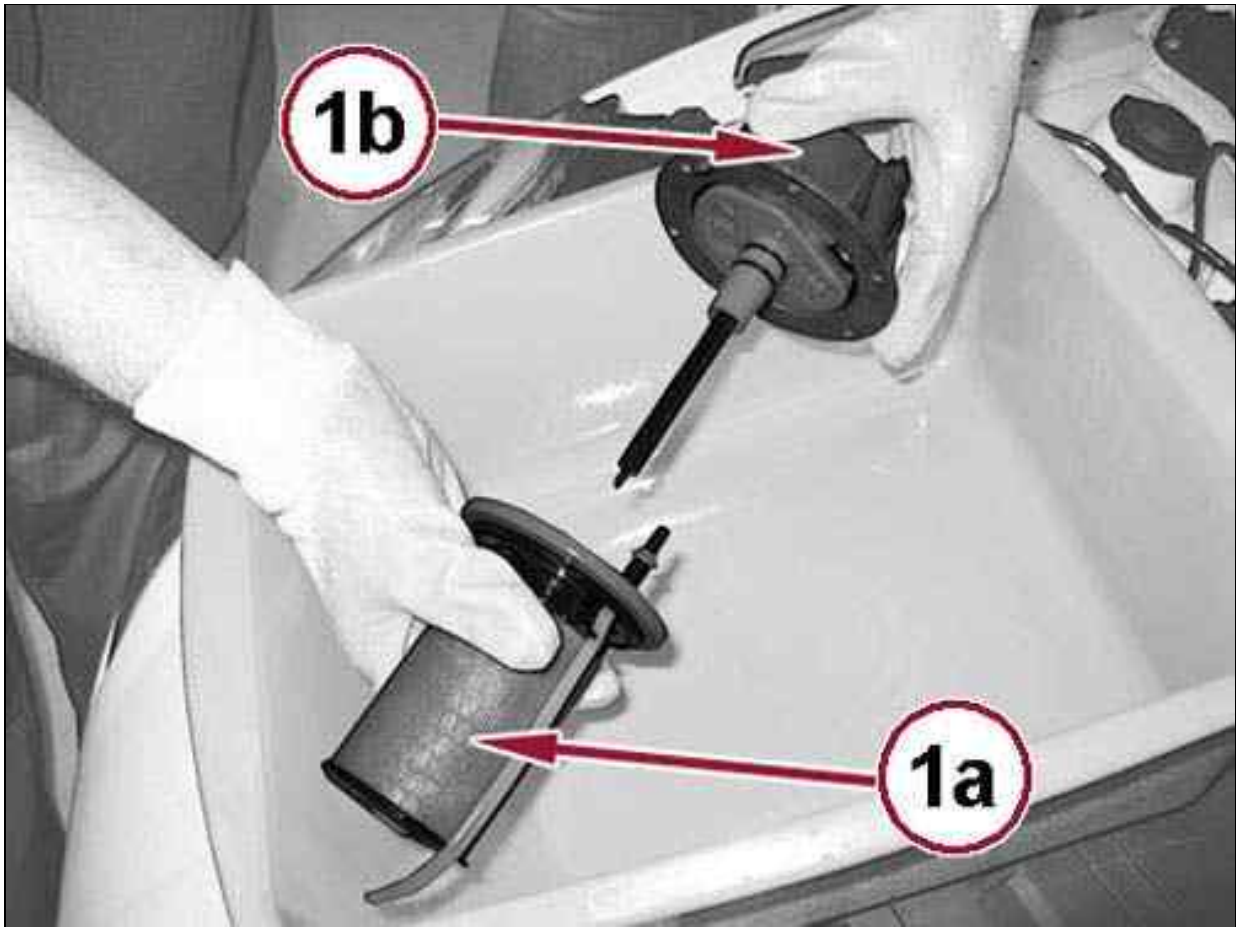


NOTE:

To avoid compromising the functionality of the new filter element, it is recommended to protect hands with suitable gloves when opening the protective and all stages of assembly.

- Remove the screws (1a), remove the cover (1b) complete with filter element (1c) and place in a suitable container.

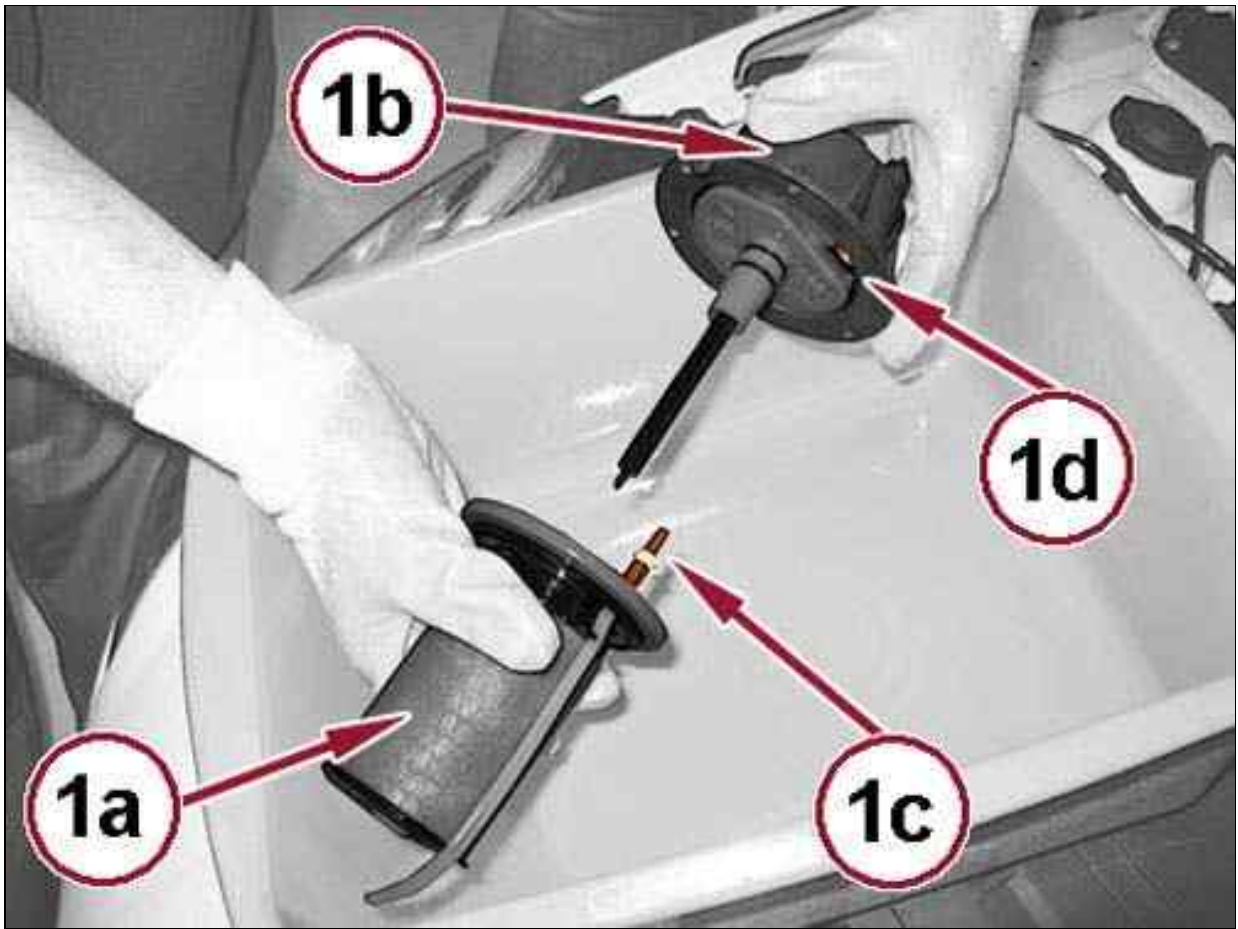
Fig 2: Filter Element & Cover



Courtesy of CHRYSLER GROUP, LLC

- Remove the filter element (1a) from the cover (1b).

Fig 3: Filter Element, Lid, Water Drain Line & Bleed Valve Hole



Courtesy of CHRYSLER GROUP, LLC

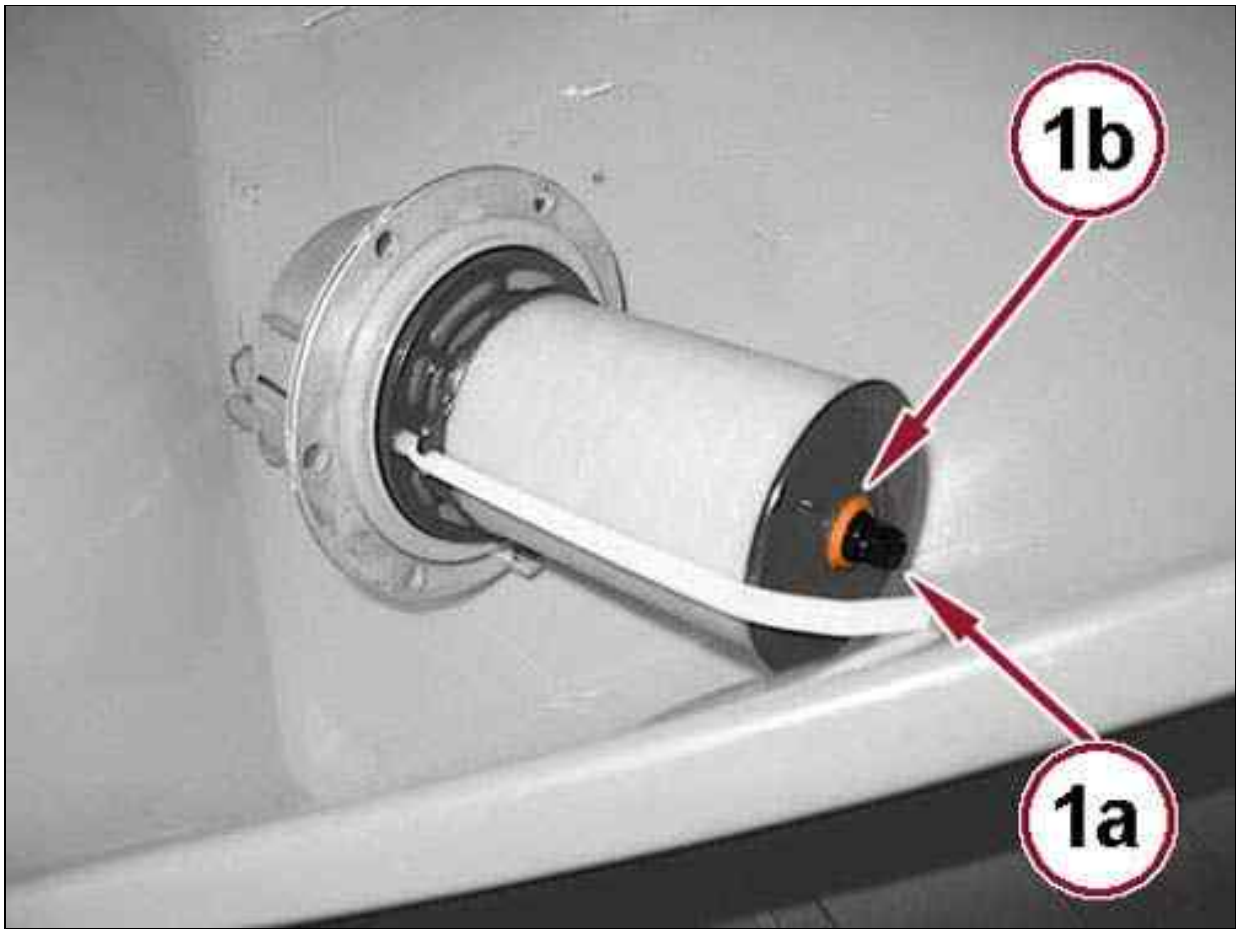


NOTE:

To avoid compromising the functionality of the new filter element, it is recommended to protect hands with suitable gloves when opening the protective and all stages of assembly.

- Assemble by pressing the new filter element (1a) in the lid (1b) engaging the water drain line (1c) in the hole (1d) of the bleed valve.

Fig 4: Water Presence Sensor & Seal Ring



Courtesy of CHRYSLER GROUP, LLC

- Check the correct position of the water presence sensor (1a) and seal ring (1b).

Fig 5: Tooth & Groove



Courtesy of CHRYSLER GROUP, LLC

- Place the filter element in the housing, taking care to engage the tooth with the groove of the support.
- Tighten the mounting screws on cover of fuel filter.
- Remove the fuel filter from the vise (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .
- If the car is used in dusty conditions replace the air filter cartridge operating as described below.

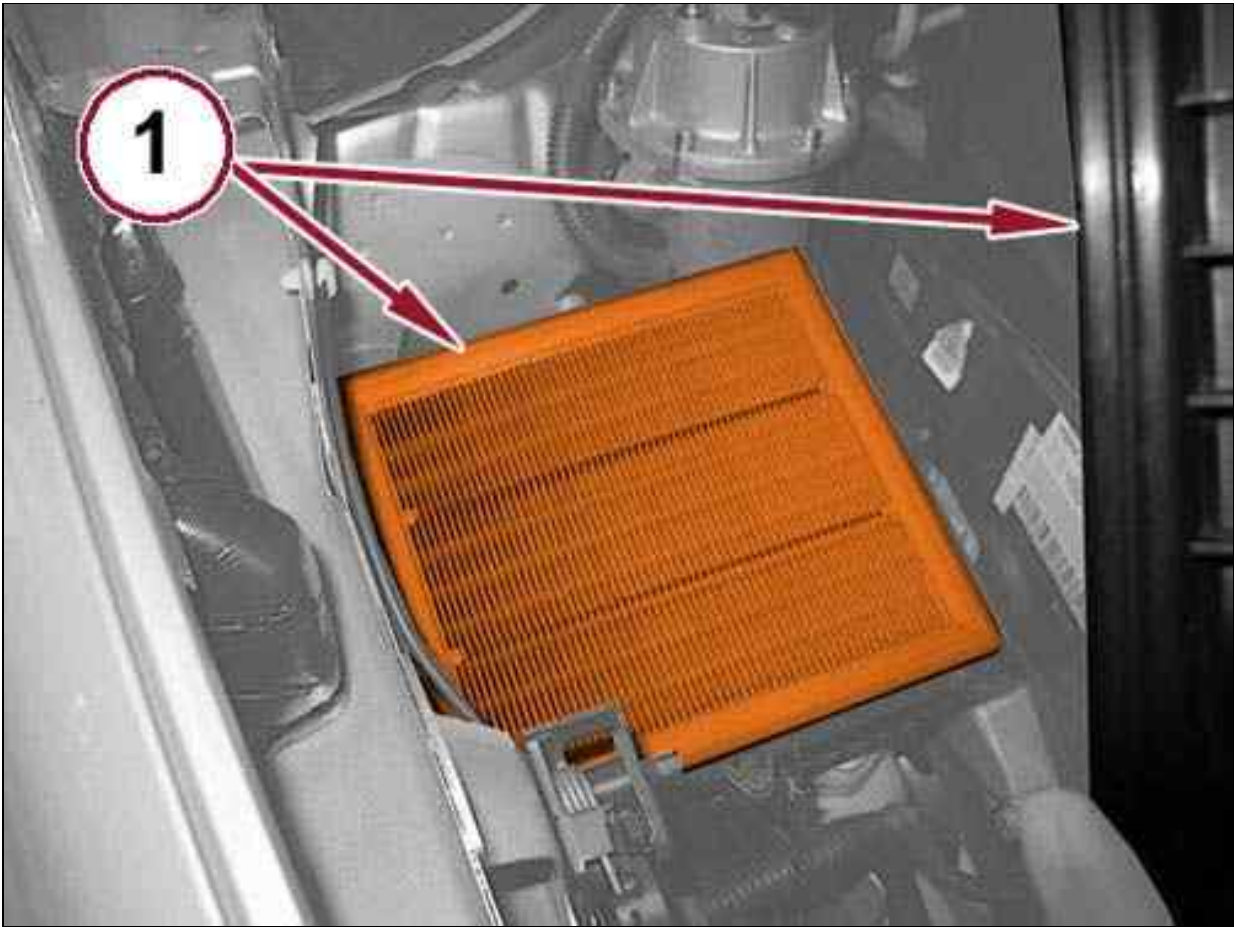
Fig 6: Air Filter Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.

Fig 7: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover and tighten the screws.

MAINTENANCE SCHEDULES > INSPECTION > 105, 000KM SERVICE (1.4L TURBO MULTIAIR)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).
- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .
- Check, by means of diagnostic socket, power system operation / motor control, emissions and for versions / markets, where provided, engine oil degradation.
- Check positioning / wear of windscreen wiper front and rear.

- Check windscreen wiper washer and adjust nozzles.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- If the car is used in dusty conditions replace the air filter cartridge operating as described below:
- Remove the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .

Fig 1: Quick-Connect Hose & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.
- Disconnect the quick connect from the air filter cover.

Fig 2: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover, tighten the screws and the quick connect.
- Install the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .
- If the car is used in dusty replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

MAINTENANCE SCHEDULES > INSPECTION > 120, 000KM SERVICE (1.4L TURBO MULTIAIR 2.0L TURBO DIESEL 1.6L TURBO DIESEL)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).
- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .

- Check, by means of diagnostic socket, power system operation / motor control, emissions and for versions / markets, where provided, engine oil degradation.
- Visually inspect conditions and integrity: exterior bodywork, underbody protection, pipes and hoses (exhaust, fuel system and brakes), rubber parts (boots, sleeves, bushings, etc.).
- Check cleanness of locks, hood and trunk lever cleanness and lubrication.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- Check oil level of transfer case. Refer to STANDARD PROCEDURE .
- Check oil level of rear differential. Refer to FLUID, DIFFERENTIAL, STANDARD PROCEDURE .
- To replace oil and oil filter. Refer to FILTER, ENGINE OIL, REMOVAL AND INSTALLATION - 1.6L/2.0L or FILTER, ENGINE OIL, REMOVAL AND INSTALLATION - 1.4L . If the car is used with an annual mileage below 10, 000 km replace engine oil and filter every year.

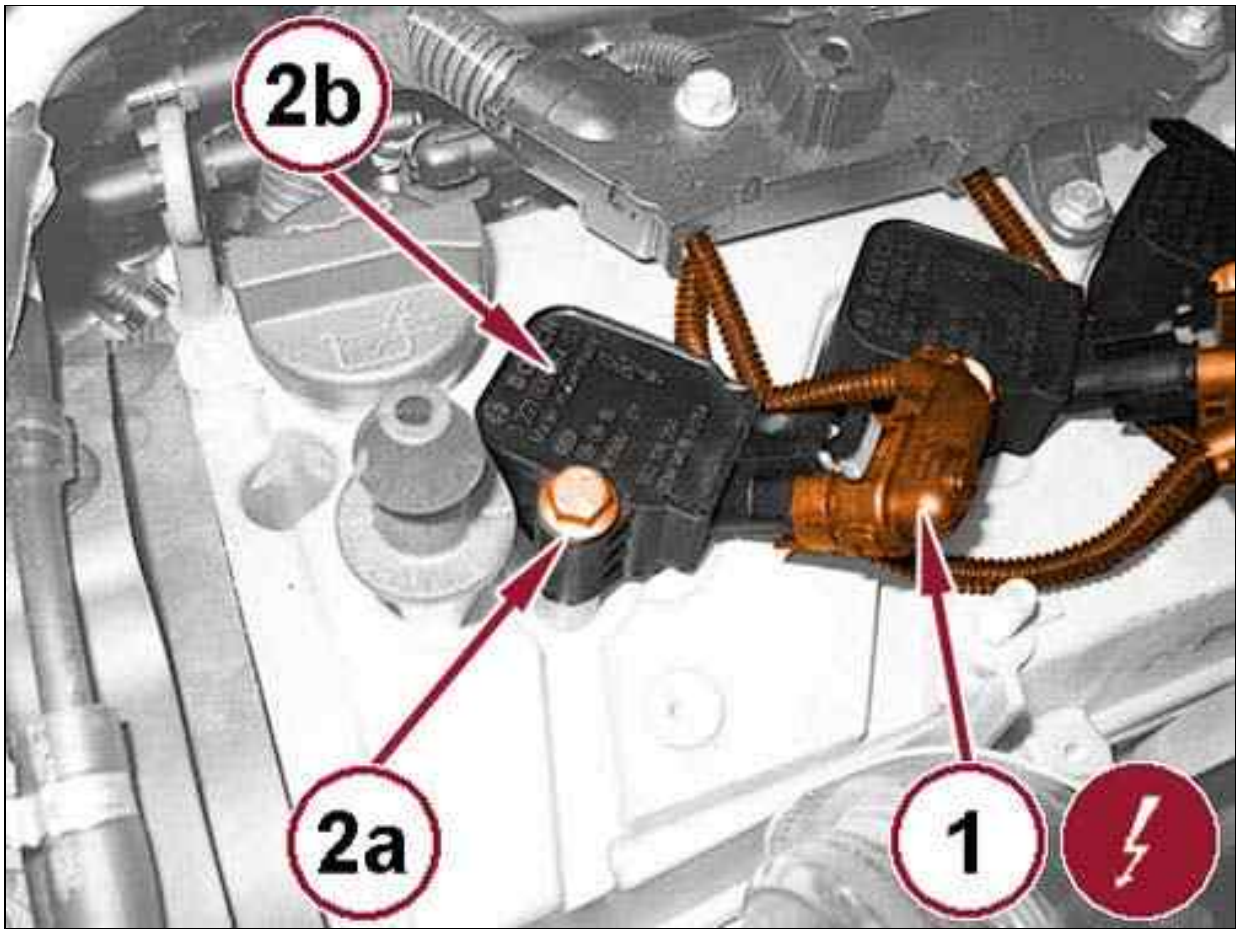


NOTE:

In order to ensure proper functionality and avoid serious damage to the engine, it is essential: only use spark plugs specifically certified for such engines, the same type and the same brand; strictly enforce the change interval of spark plugs provided in SPARK PLUGS .

- Replace the spark plugs operating as described below.
- Remove the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION - 1.6L/2.0L or COVER, ENGINE, REMOVAL AND INSTALLATION - 1.4L .

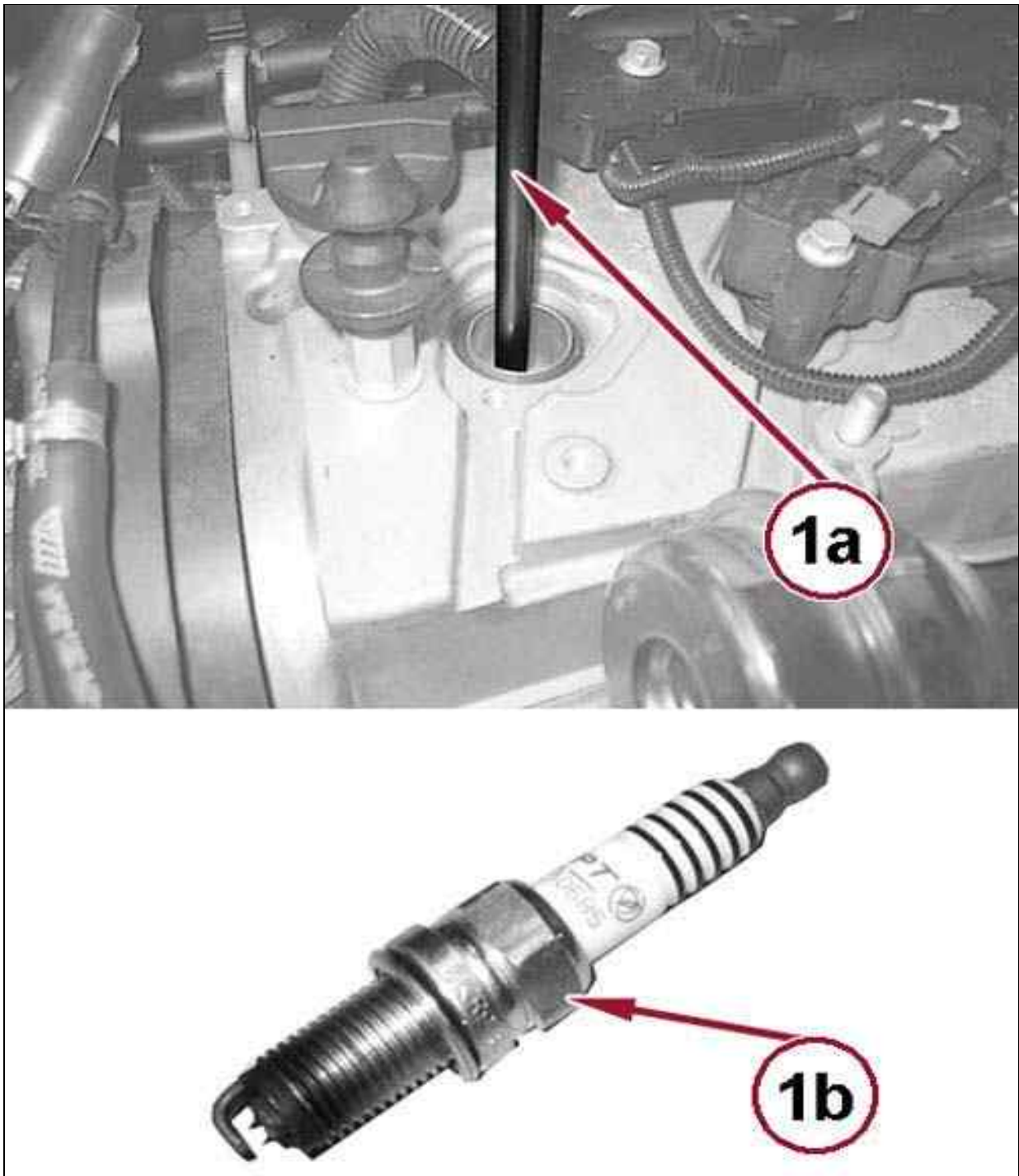
Fig 1: Ignition Coil Wire Harness Connectors, Ignition Coils & Bolts



Courtesy of CHRYSLER GROUP, LLC

- Disconnect the electrical connections of the ignition coils.
- Remove the screws (2a) and remove the ignition coils (2b).

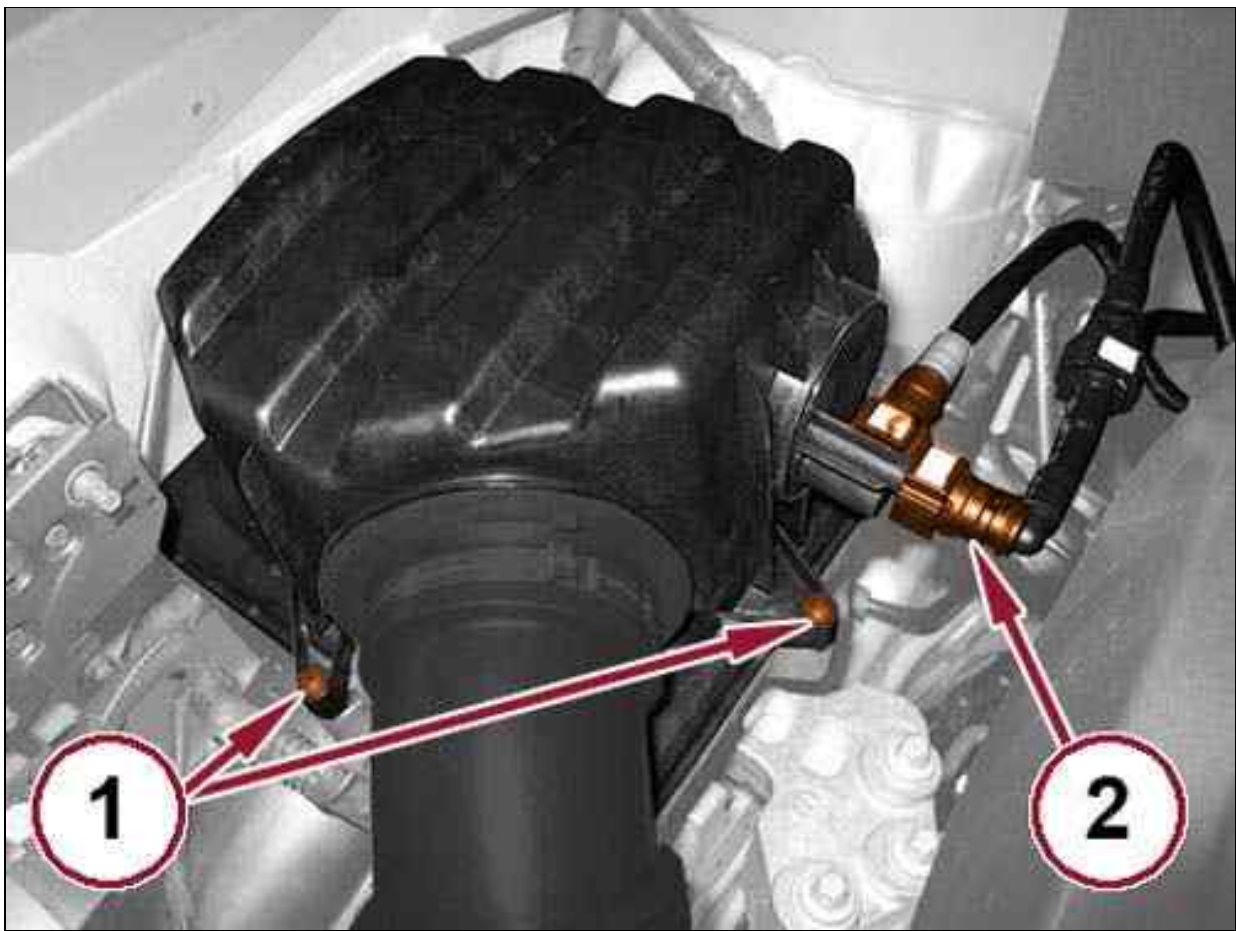
Fig 2: Spark Plug & Tool



Courtesy of CHRYSLER GROUP, LLC

- With appropriate tool (1a), unscrew and remove the spark plug for the engine (1b).
- Install the new engine spark plugs and tighten them to the specified torque.
- Install the ignition coils and tighten the screws to the specified torque.
- Connect the electrical connections of the ignition coils.
- Replace the air filter cartridge operating as described below.

Fig 3: Quick-Connect Hose & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.
- Disconnect the quick connect from the air filter cover.

Fig 4: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover, tighten the screws and the quick connect.
- Install the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION - 1.6L/2.0L or COVER, ENGINE, REMOVAL AND INSTALLATION - 1.4L .
- In the case of dusty areas and / or heavy use (cold climates, urban use, long idling) is recommended to replace the drive belt / s accessories.



NOTE:

Regardless of mileage, the belt should be replaced every four years.

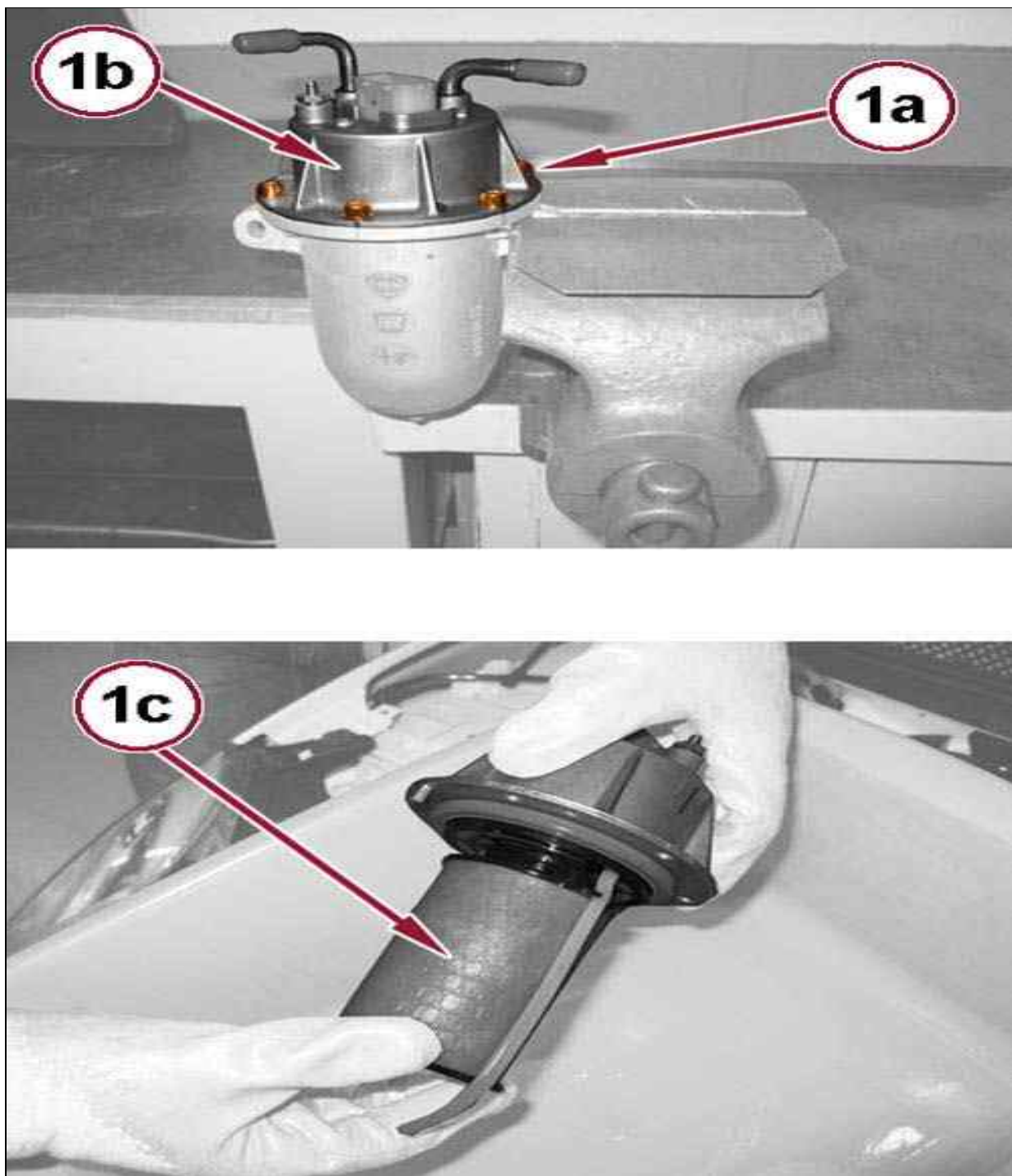
- Replace the brake fluid. Refer to STANDARD PROCEDURE .
- Replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

2.0L Turbo Diesel 1.6L Turbo Diesel

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).

- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).
- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .
- Check, by means of diagnostic socket, power system operation / motor control, emissions and for versions / markets, where provided, engine oil degradation.
- Check cleanness of locks, hood and trunk lever cleanness and lubrication.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- In case of non-dusty areas it is recommended to replace the drive belt / s accessories.
- In case of non-dusty areas it is recommended to replace the timing belt.
- Replace the fuel filter cartridge, operating as described below. (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .

Fig 5: Filter Element, Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Position the fuel filter in vise with protective jaws.

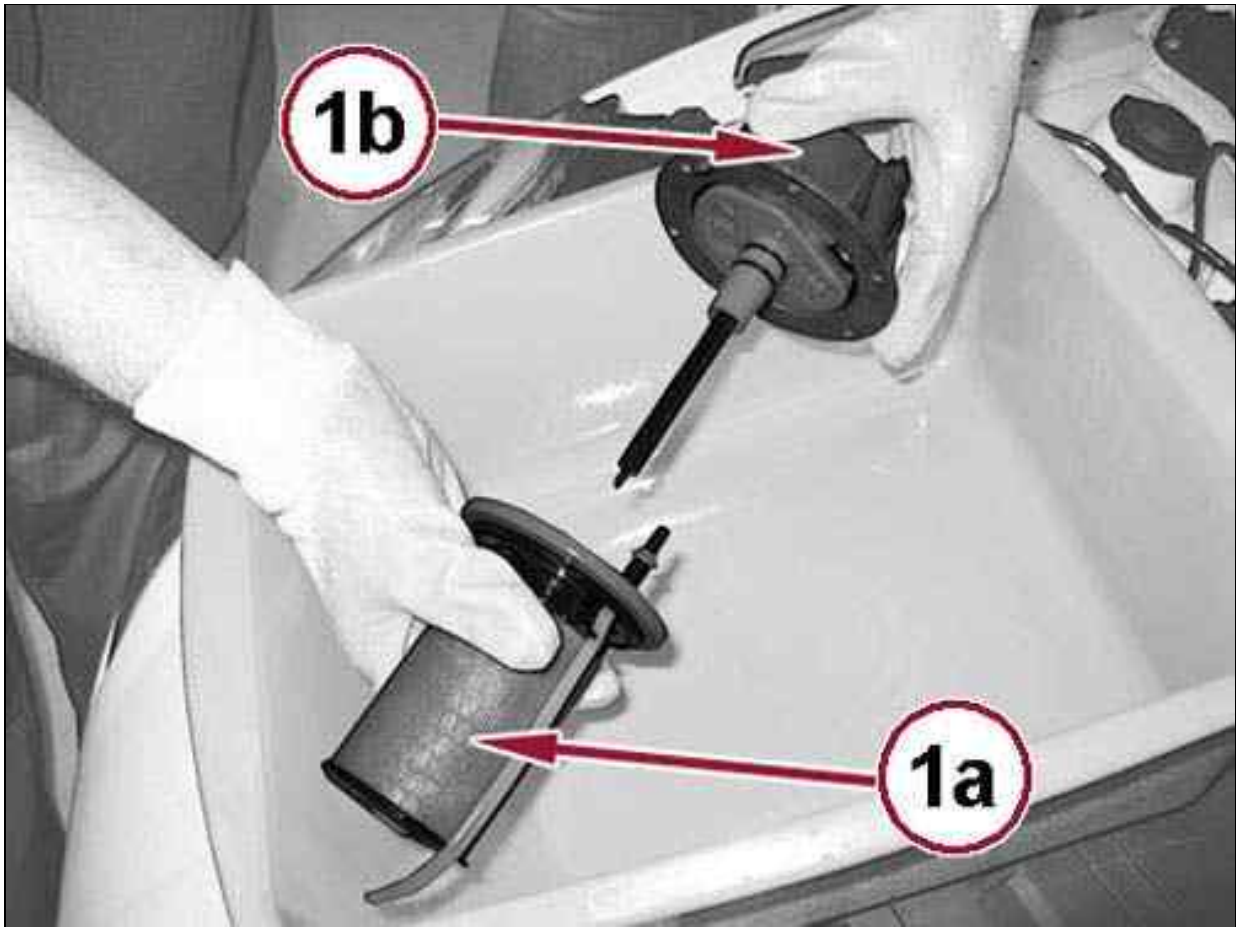


NOTE:

To avoid compromising the functionality of the new filter element, it is recommended to protect hands with suitable gloves when opening the protective and all stages of assembly.

- Remove the screws (1a), remove the cover (1b) complete with filter element (1c) and place in a suitable container.

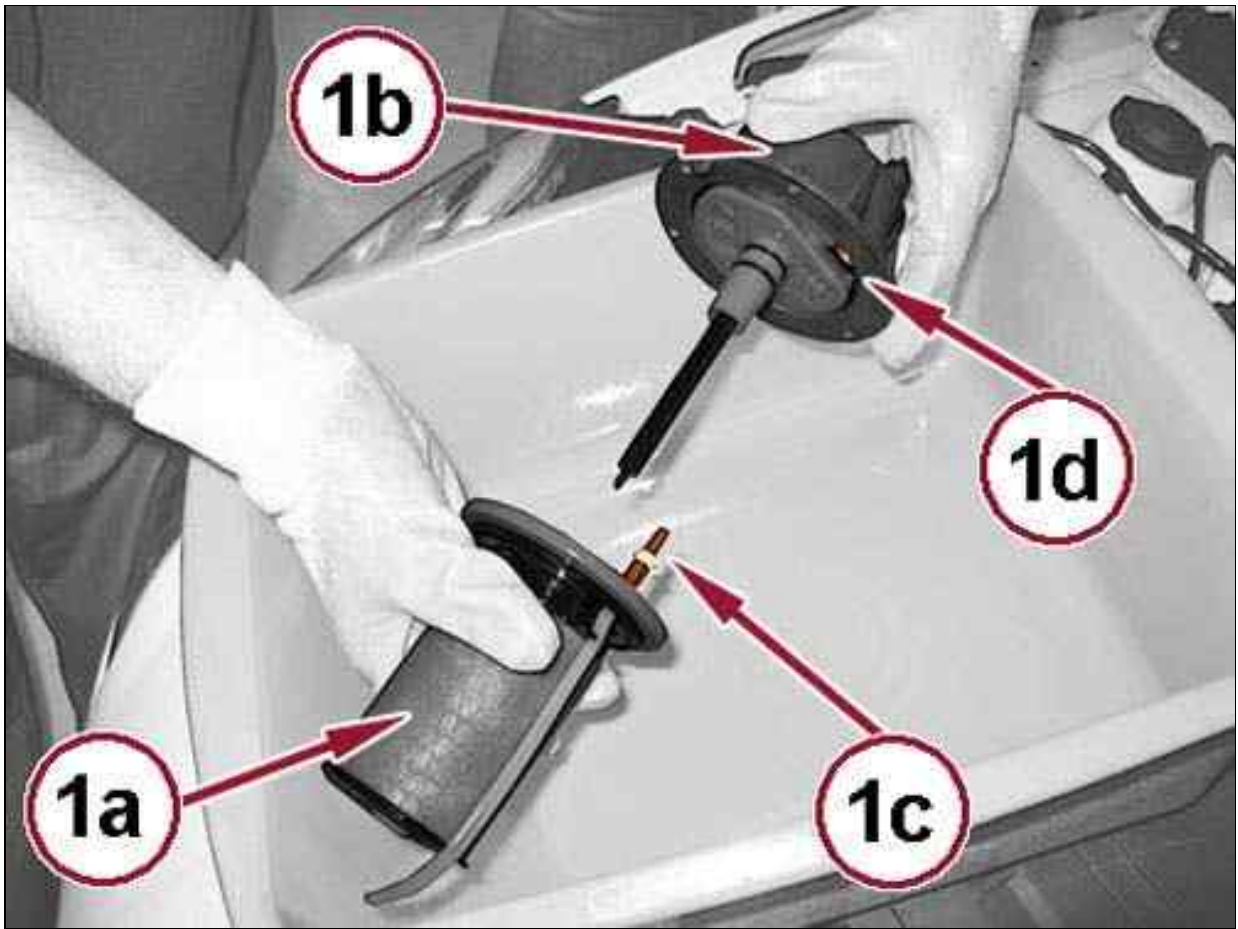
Fig 6: Filter Element & Cover



Courtesy of CHRYSLER GROUP, LLC

- Remove the filter element (1a) from the cover (1b).

Fig 7: Filter Element, Lid, Water Drain Line & Bleed Valve Hole



Courtesy of CHRYSLER GROUP, LLC

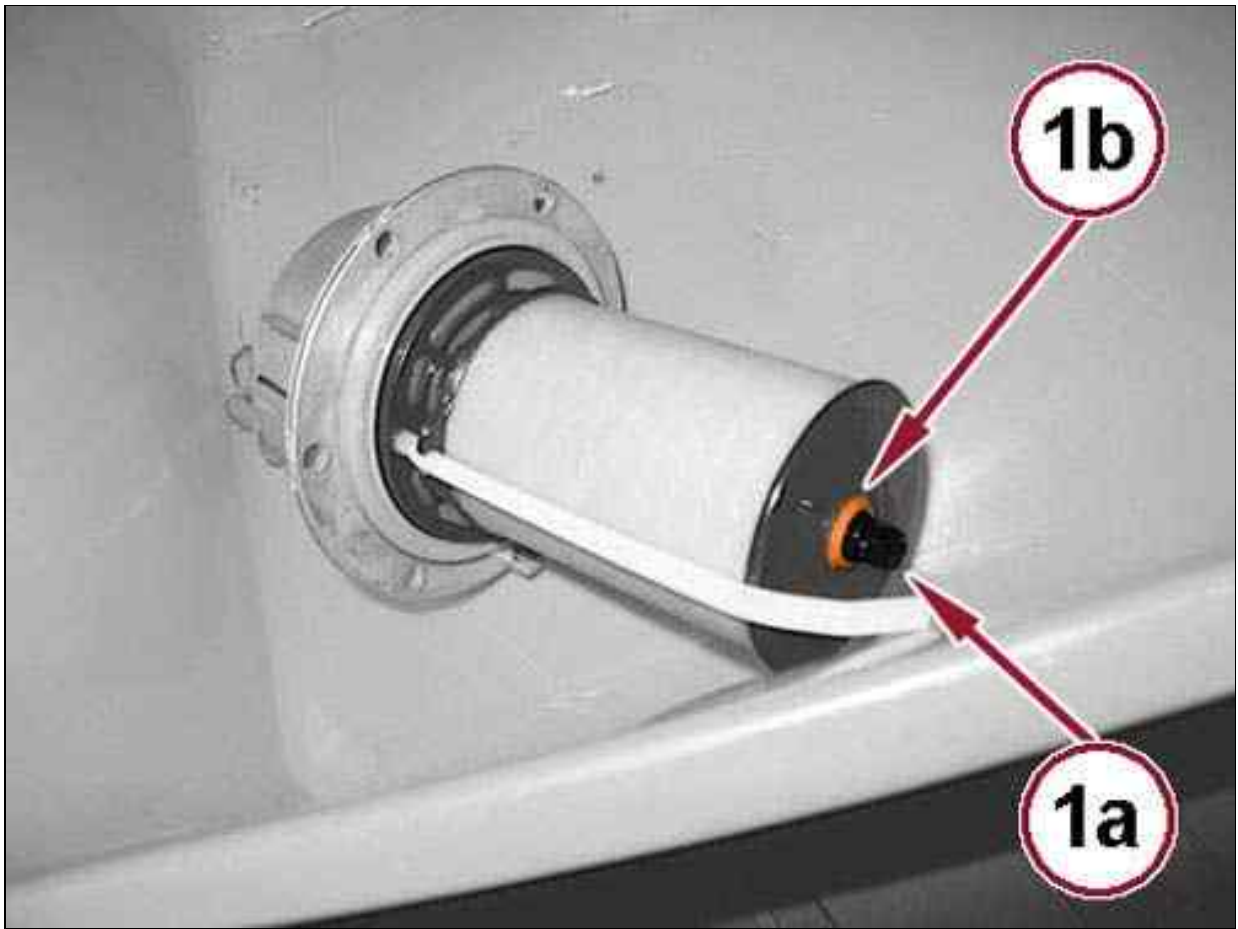


NOTE:

To avoid compromising the functionality of the new filter element, it is recommended to protect hands with suitable gloves when opening the protective and all stages of assembly.

- Assemble by pressing the new filter element (1a) in the lid (1b) engaging the water drain line (1c) in the hole (1d) of the bleed valve.

Fig 8: Water Presence Sensor & Seal Ring



Courtesy of CHRYSLER GROUP, LLC

- Check the correct position of the water presence sensor (1a) and seal ring (1b).

Fig 9: Tooth & Groove



Courtesy of CHRYSLER GROUP, LLC

- Place the filter element in the housing, taking care to engage the tooth with the groove of the support.
- Tighten the mounting screws on cover of fuel filter.
- Remove the fuel filter from the vise (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .
- If the car is used in dusty conditions replace the air filter cartridge operating as described below.

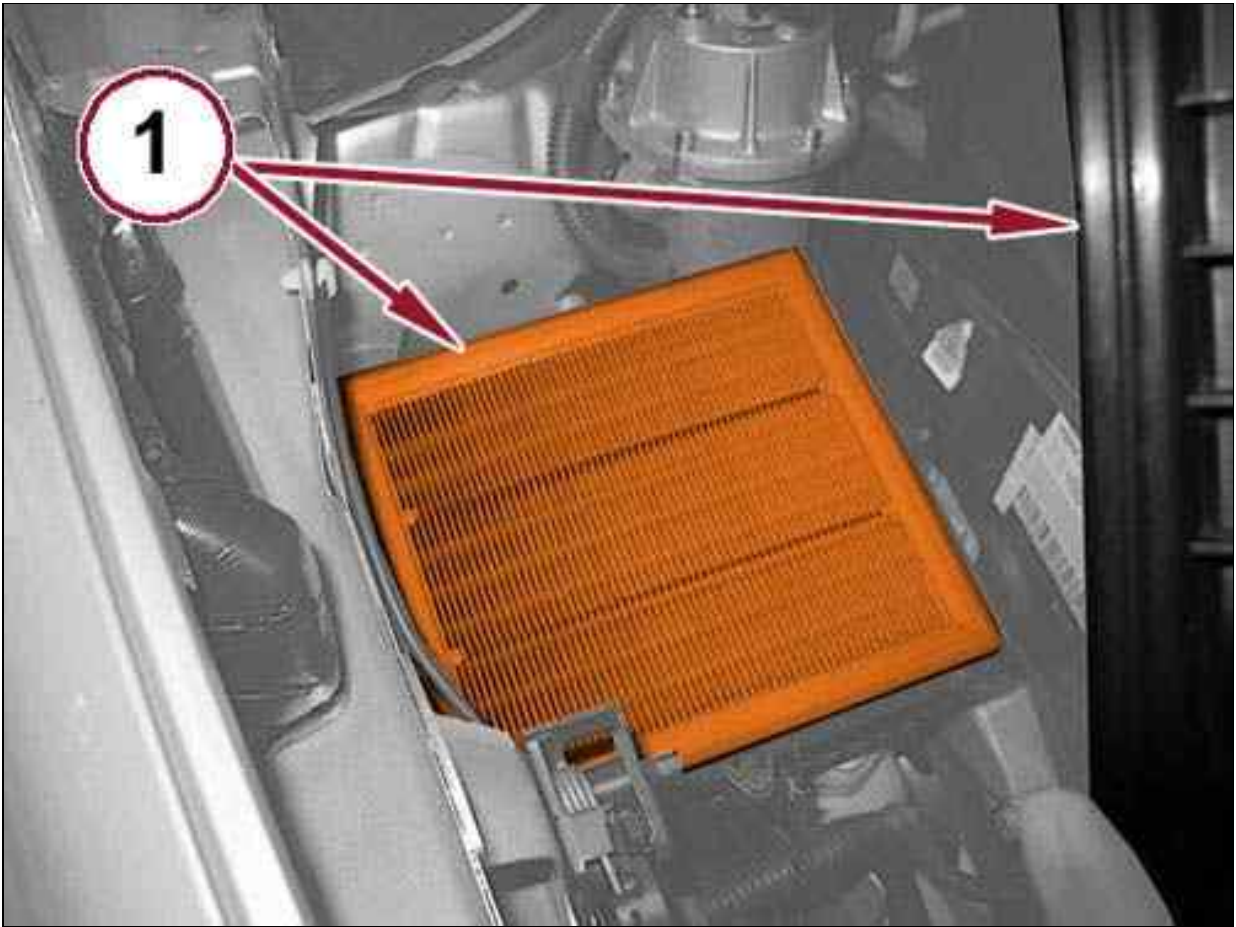
Fig 10: Air Filter Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.

Fig 11: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover and tighten the screws.
- If the car is used in dusty conditions replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

MAINTENANCE SCHEDULES > INSPECTION > 135, 000KM SERVICE (1.4L TURBO MULTIAIR)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).
- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .
- Check, by means of diagnostic socket, power system operation / motor control, emissions and for

versions / markets, where provided, engine oil degradation.

- Check positioning / wear of windscreen wiper front and rear.
- Check windscreen wiper washer and adjust nozzles.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- If the car is used in dusty conditions replace the air filter cartridge operating as described below:
- Remove the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .

Fig 1: Quick-Connect Hose & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.
- Disconnect the quick connect from the air filter cover.

Fig 2: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

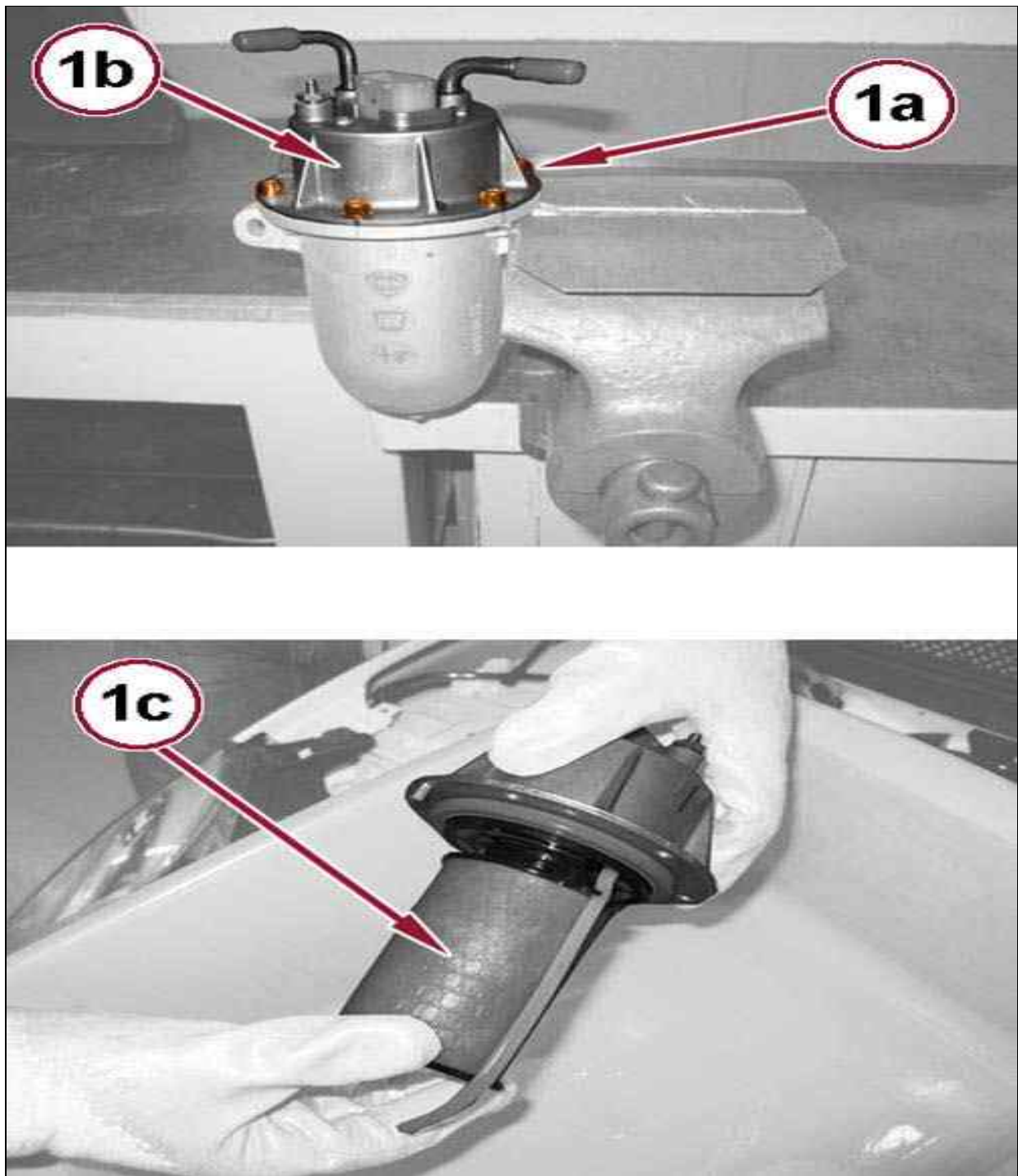
- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover, tighten the screws and the quick connect.
- Install the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .
- If the car is used in dusty replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

MAINTENANCE SCHEDULES > INSPECTION > 140, 000KM SERVICE (2.0L TURBO DIESEL 1.6L TURBO DIESEL)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).
- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .

- Check, by means of diagnostic socket, power system operation / motor control, emissions and for versions / markets, where provided, engine oil degradation.
- Check positioning / wear of windscreen wiper front and rear.
- Check windscreen wiper washer and adjust nozzles.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- 4x4 versions only:
 - Check oil level of transfer case. Refer to STANDARD PROCEDURE .
 - Check oil level of rear differential. Refer to FLUID, DIFFERENTIAL, STANDARD PROCEDURE .
 - Replacing oil and oil filter is indicated by light or message on the instrument panel depending on the use of the car. Must not exceed 2 years.
 - If the car is used mainly on urban routes you need to replace the engine oil and filter every year.
 - To replace oil and oil filter. Refer to FILTER, ENGINE OIL, REMOVAL AND INSTALLATION .
 - If refueling the car with fuel of inferior quality to the European specification provided it is recommended to replace the fuel filter cartridge, operating as described below.
 - Replace the fuel filter cartridge, operating as described below. (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .

Fig 1: Filter Element, Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Position the fuel filter in vise with protective jaws.

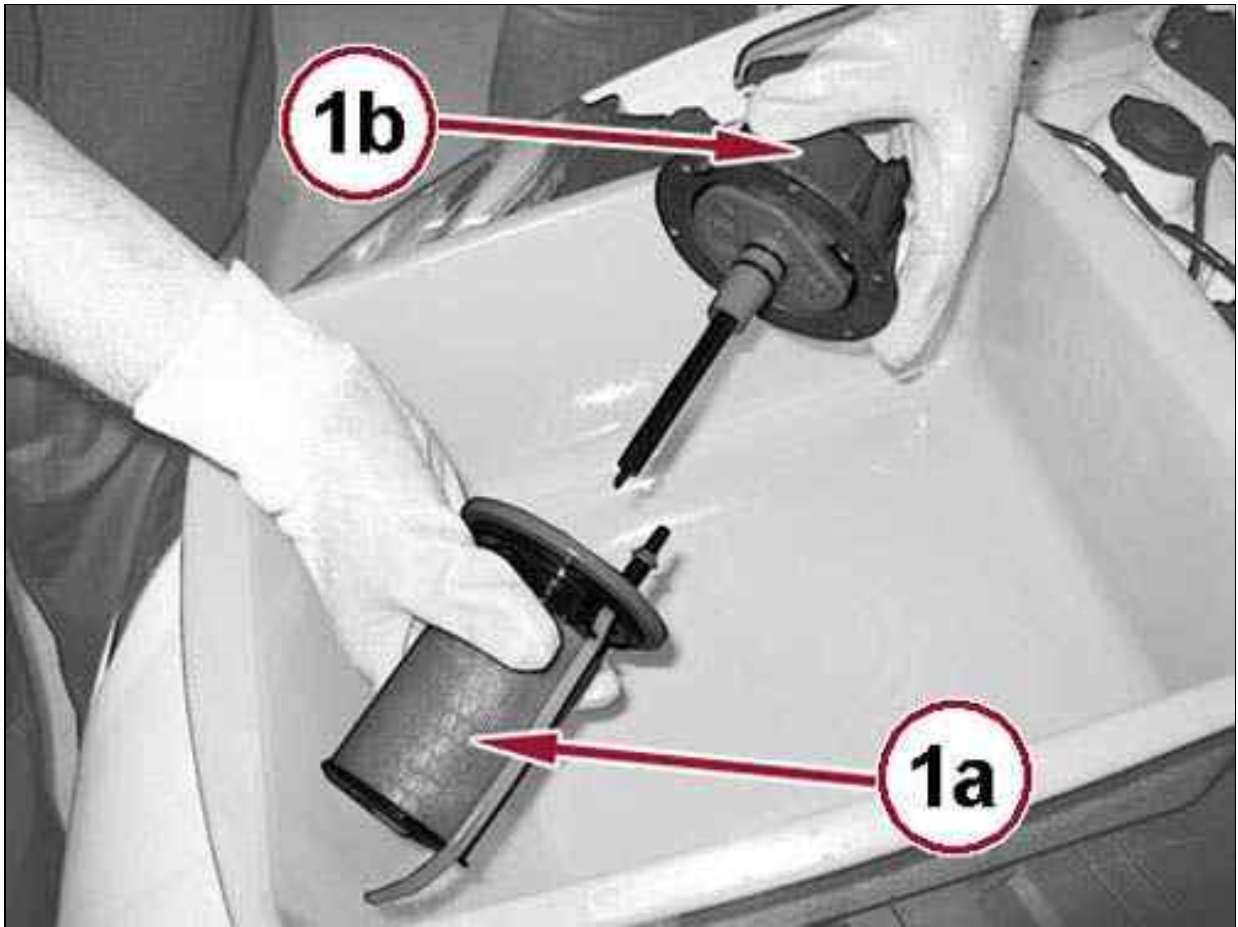


NOTE:

To avoid compromising the functionality of the new filter element, it is recommended to protect hands with suitable gloves when opening the protective and all stages of assembly.

- Remove the screws (1a), remove the cover (1b) complete with filter element (1c) and place in a suitable container.

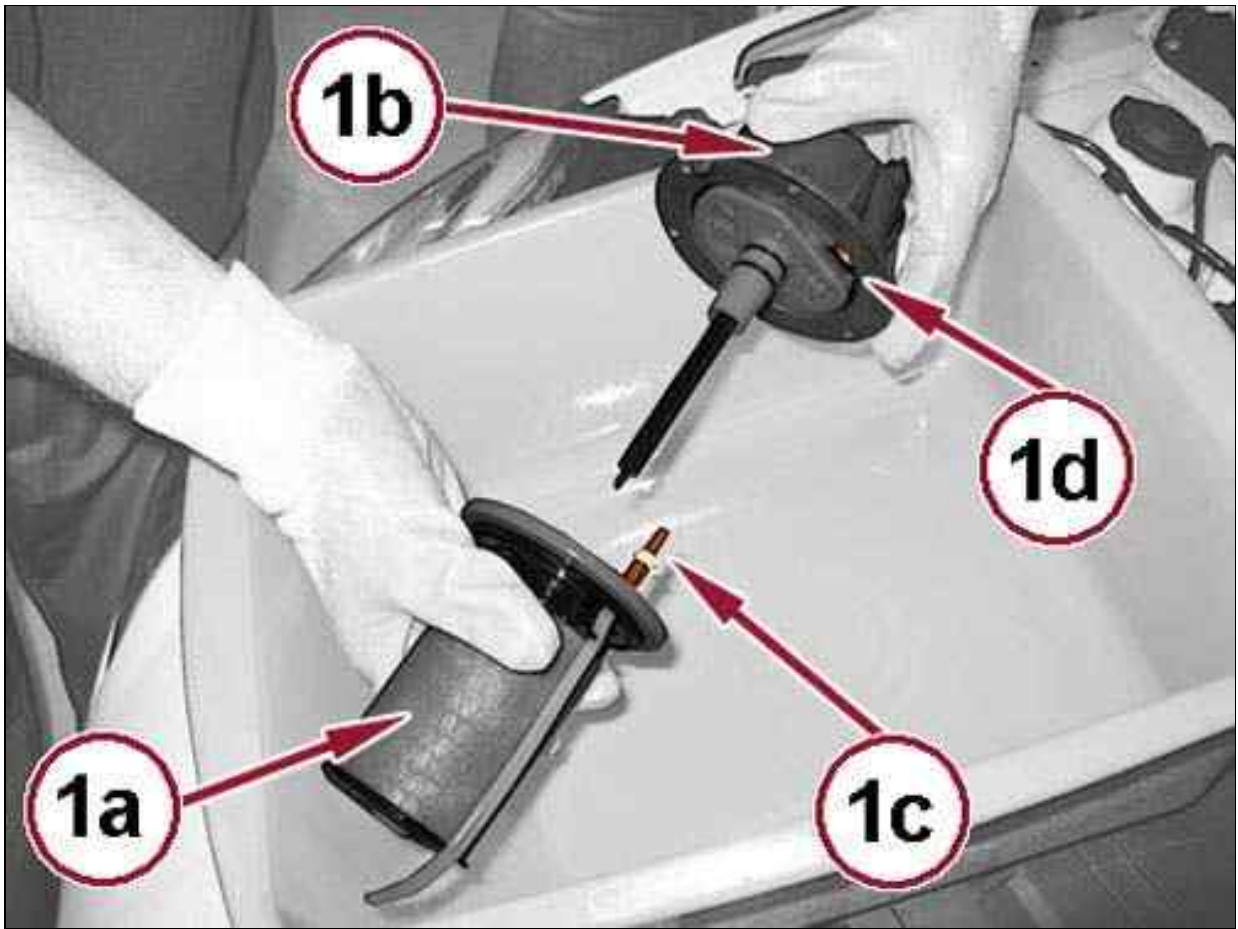
Fig 2: Filter Element & Cover



Courtesy of CHRYSLER GROUP, LLC

- Remove the filter element (1a) from the cover (1b).

Fig 3: Filter Element, Lid, Water Drain Line & Bleed Valve Hole



Courtesy of CHRYSLER GROUP, LLC

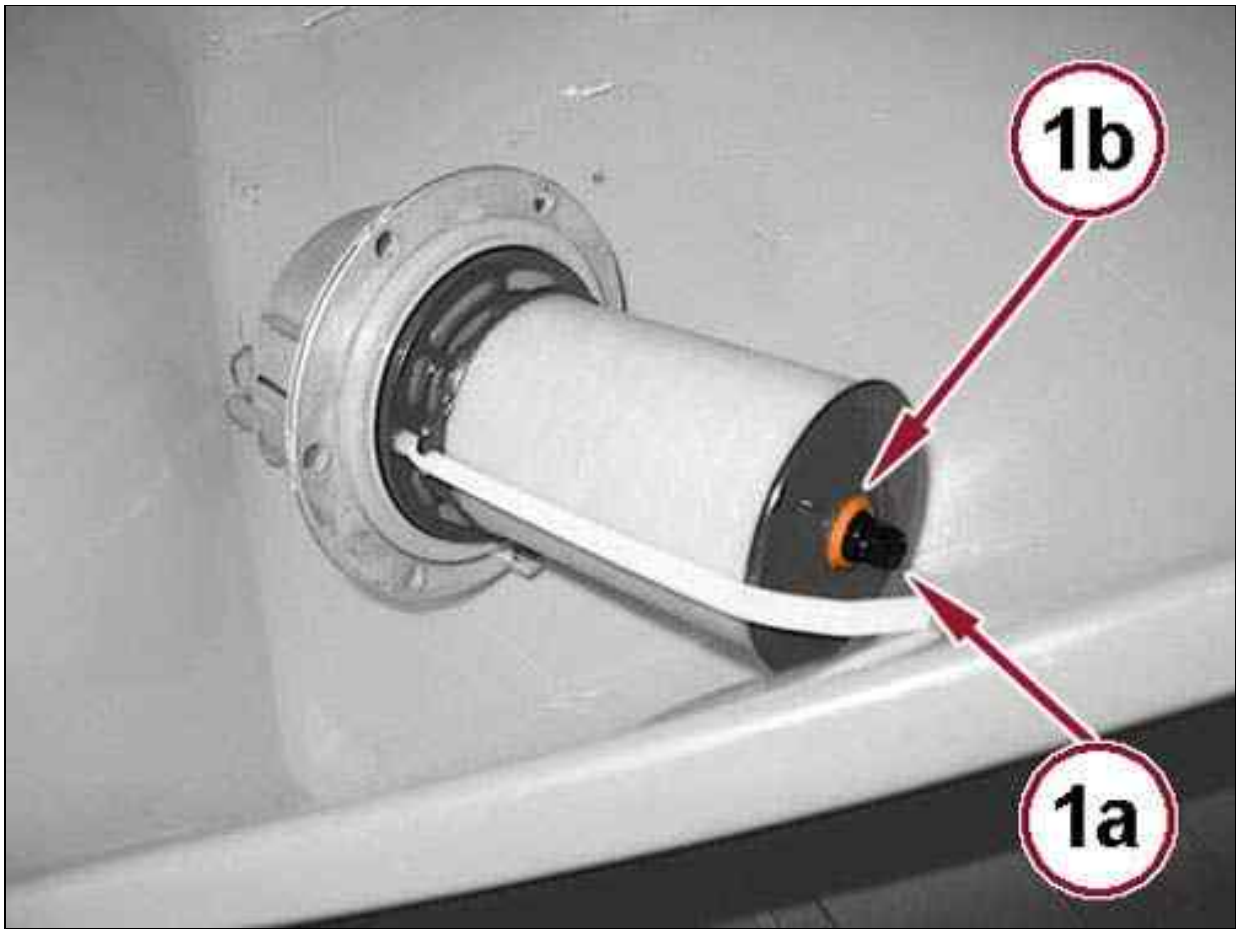


NOTE:

To avoid compromising the functionality of the new filter element, it is recommended to protect hands with suitable gloves when opening the protective and all stages of assembly.

- Assemble by pressing the new filter element (1a) in the lid (1b) engaging the water drain line (1c) in the hole (1d) of the bleed valve.

Fig 4: Water Presence Sensor & Seal Ring



Courtesy of CHRYSLER GROUP, LLC

- Check the correct position of the water presence sensor (1a) and seal ring (1b).

Fig 5: Tooth & Groove



Courtesy of CHRYSLER GROUP, LLC

- Place the filter element in the housing, taking care to engage the tooth with the groove of the support.
- Tighten the mounting screws on cover of fuel filter.
- Remove the fuel filter from the vise (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .
- If the car is used in dusty conditions replace the air filter cartridge operating as described below.

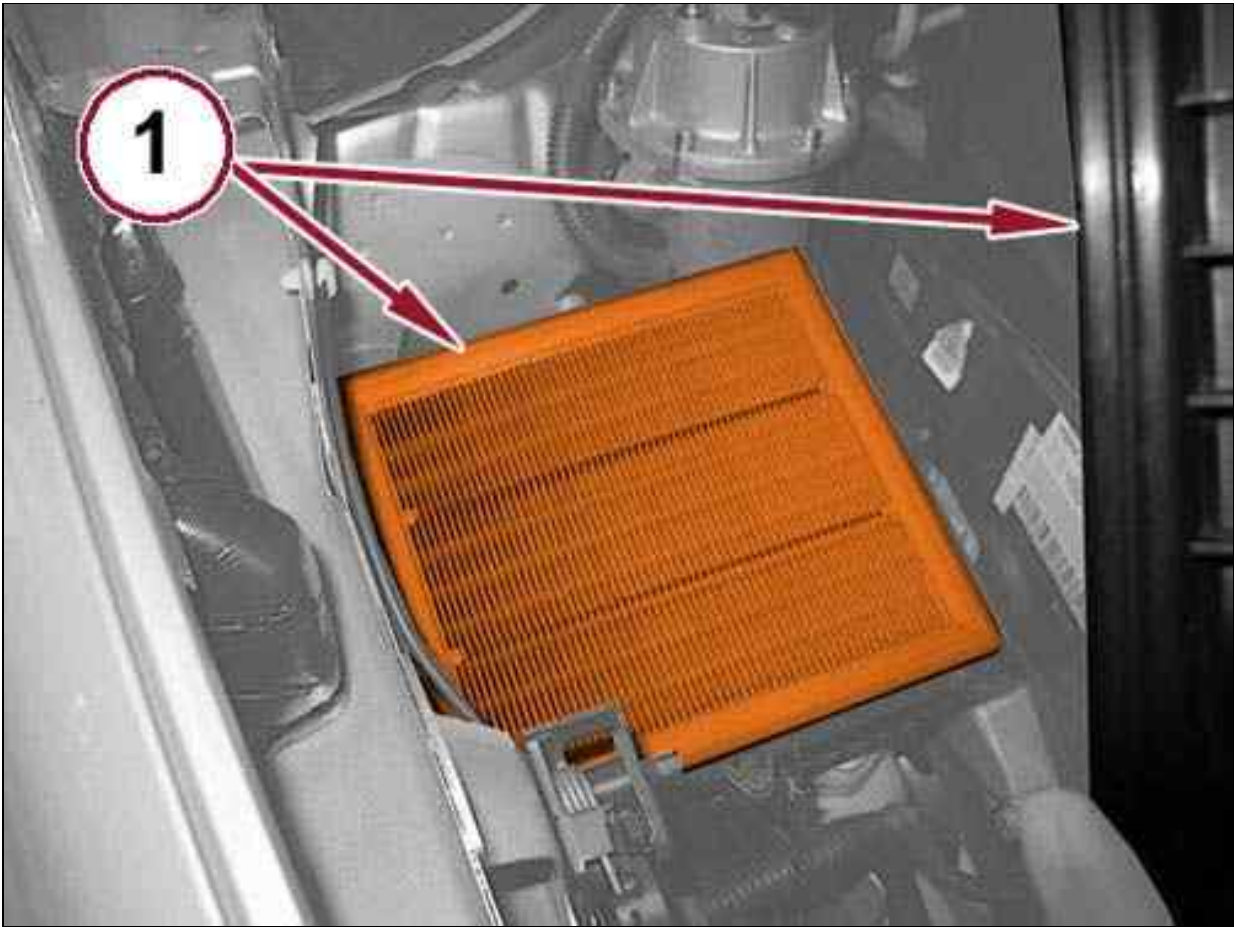
Fig 6: Air Filter Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.

Fig 7: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover and tighten the screws.
- If the car is used in dusty conditions replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

MAINTENANCE SCHEDULES > INSPECTION > 150, 000KM SERVICE (1.4L TURBO MULTIAIR)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).
- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .
- Check, by means of diagnostic socket, power system operation / motor control, emissions and for

versions / markets, where provided, engine oil degradation.

- Visually inspect conditions and integrity: exterior bodywork, underbody protection, pipes and hoses (exhaust, fuel system and brakes), rubber parts (boots, sleeves, bushings, etc.).
- Check cleanness of locks, hood and trunk lever cleanness and lubrication.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- Check belt tension on accessory drive (versions without automatic tensioner).
- To replace oil and oil filter. Refer to FILTER, ENGINE OIL, REMOVAL AND INSTALLATION . If the car is used with an annual mileage below 10, 000 km replace engine oil and filter every year.

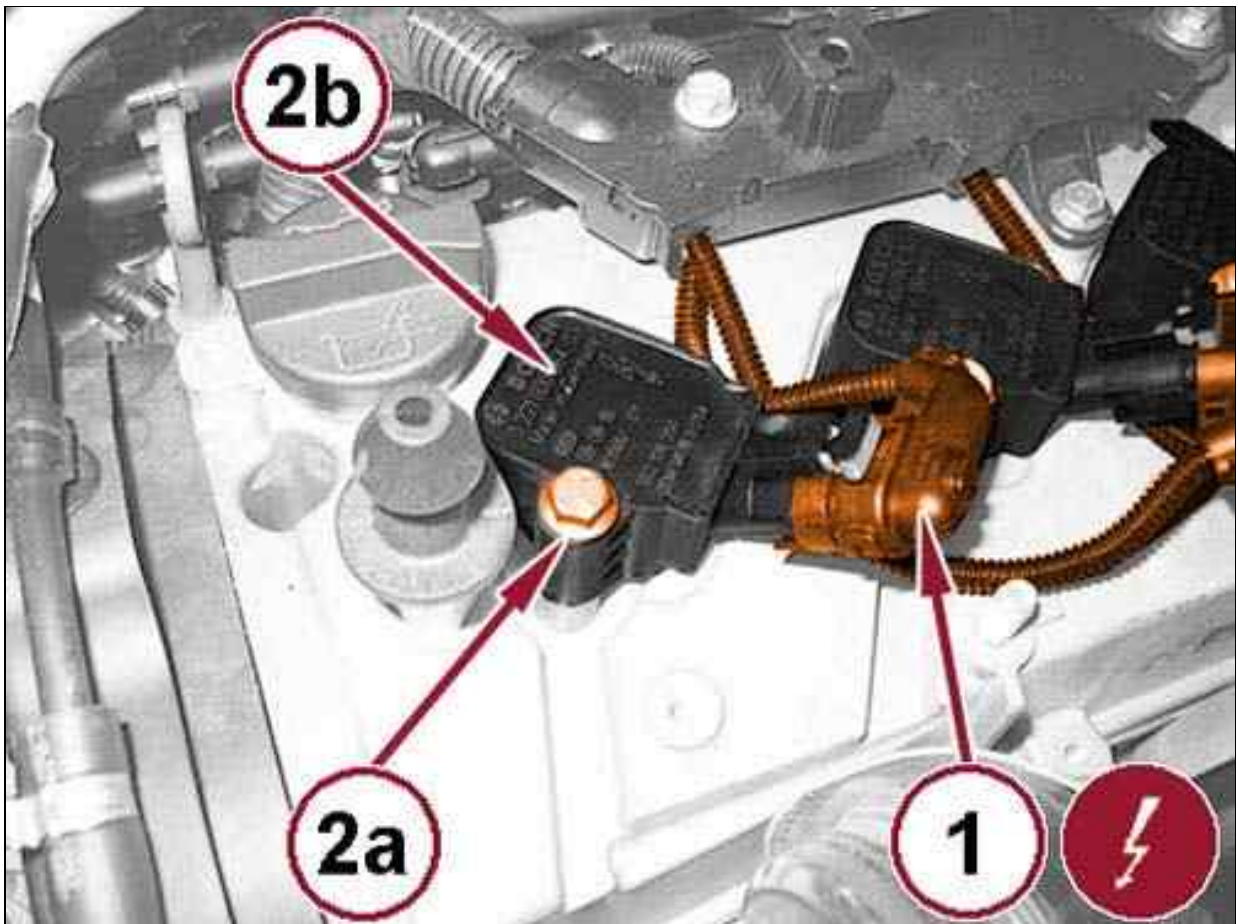


NOTE:

In order to ensure proper functionality and avoid serious damage to the engine, it is essential: only use spark plugs specifically certified for such engines, the same type and the same brand; strictly enforce the change interval of spark plugs provided in SPARK PLUGS .

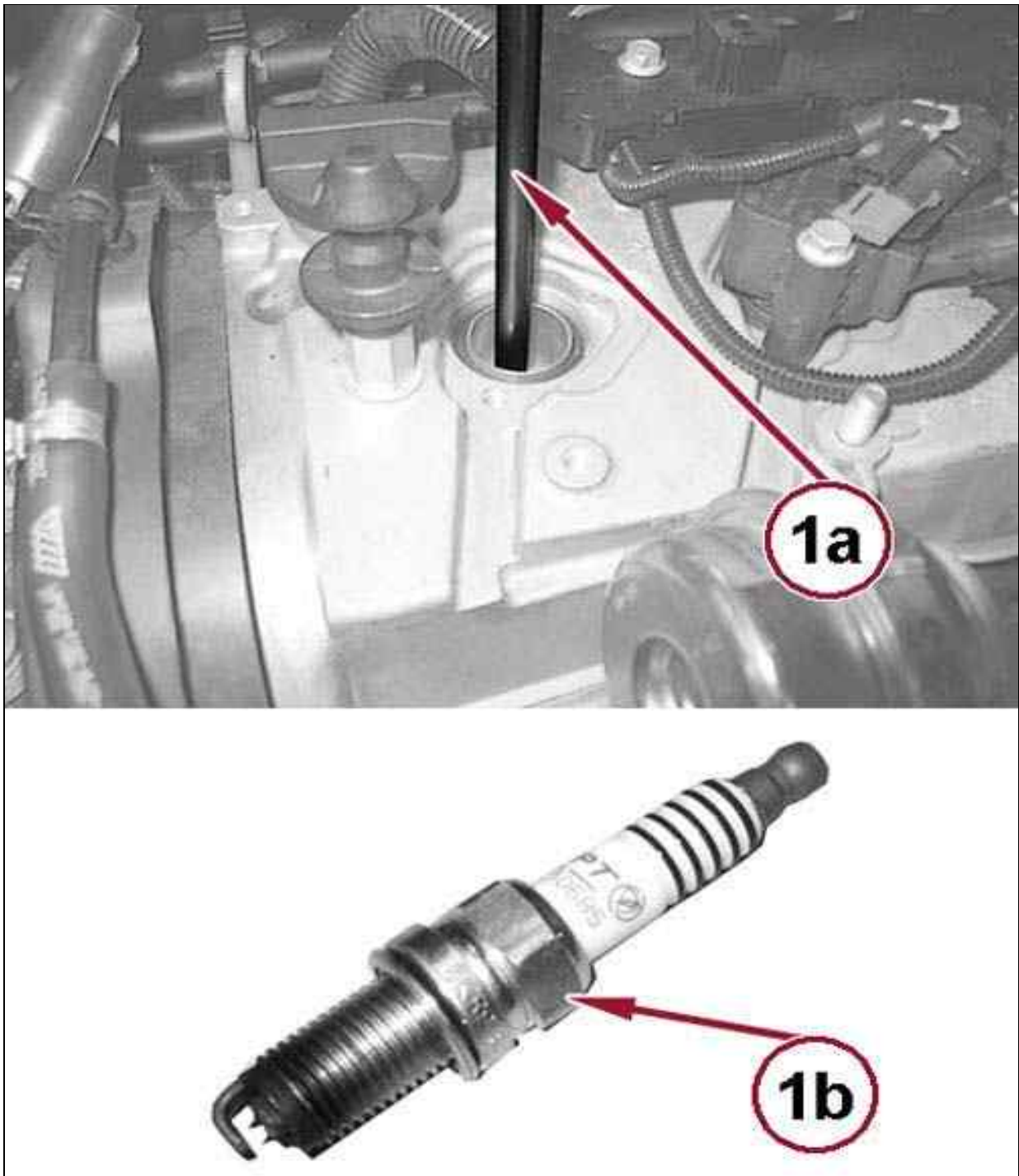
- Replace the spark plugs operating as described below.

Fig 1: Ignition Coil Wire Harness Connectors, Ignition Coils & Bolts



- Disconnect the electrical connections of the ignition coils.
- Remove the screws (2a) and remove the ignition coils (2b).

Fig 2: Spark Plug & Tool



Courtesy of CHRYSLER GROUP, LLC

- With appropriate tool (1a), unscrew and remove the spark plug for the engine (1b).
- Install the new engine spark plugs and tighten them to the specified torque.
- Install the ignition coils and tighten the screws to the specified torque.

- Connect the electrical connections of the ignition coils.
- Replace the air filter cartridge operating as described below.

Fig 3: Quick-Connect Hose & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.
- Disconnect the quick connect from the air filter cover.

Fig 4: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

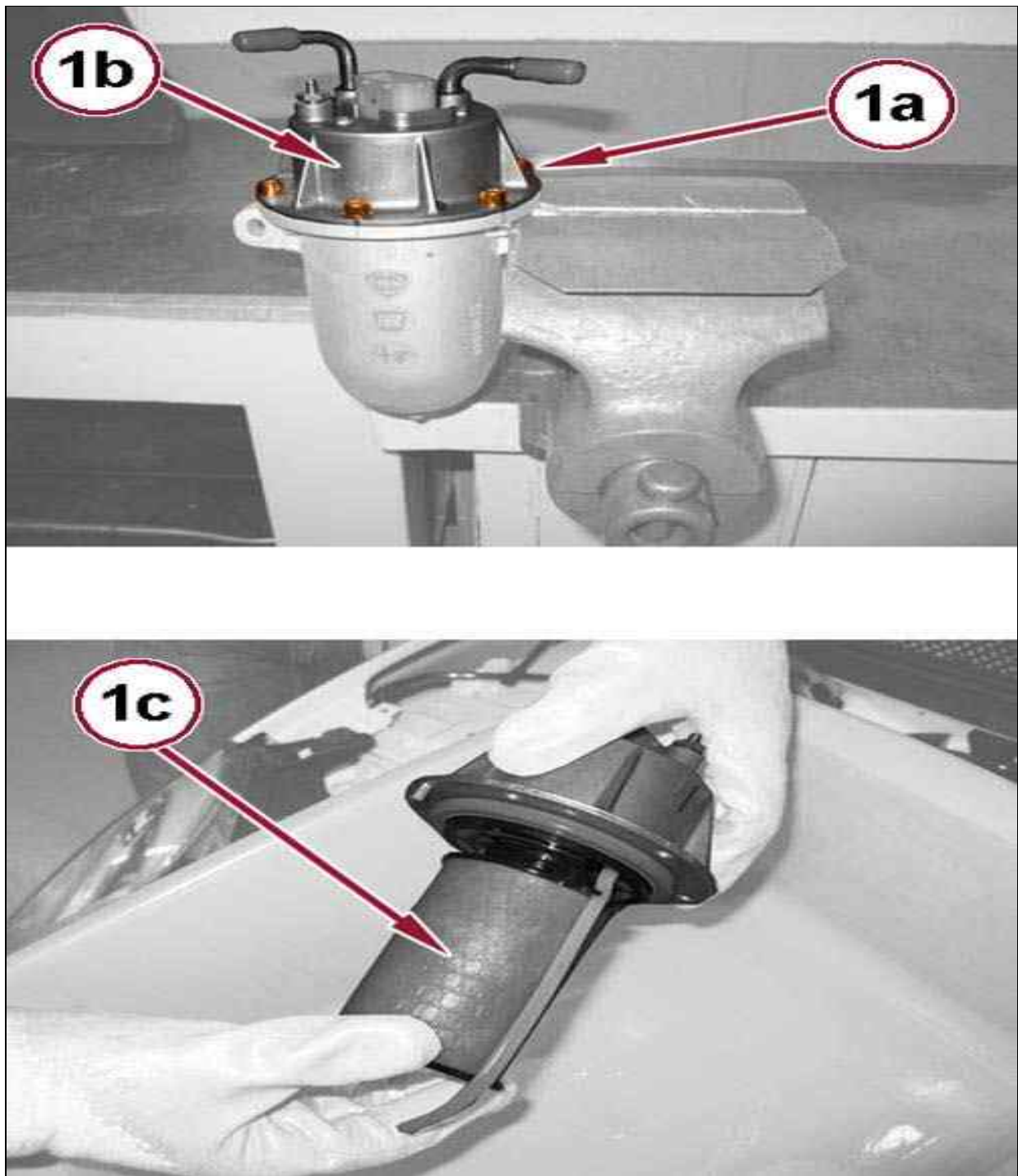
- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover, tighten the screws and the quick connect.
- Install the engine cover. Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .
- Replace the brake fluid. Refer to STANDARD PROCEDURE .
- Replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

MAINTENANCE SCHEDULES > INSPECTION > 160, 000KM SERVICE (2.0L TURBO DIESEL 1.6L TURBO DIESEL)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).

- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .
- Check, by means of diagnostic socket, power system operation / motor control, emissions and for versions / markets, where provided, engine oil degradation.
- Check cleanness of locks, hood and trunk lever cleanness and lubrication.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- Replacing oil and oil filter is indicated by light or message on the instrument panel depending on the use of the car. Must not exceed 2 years.
- If the car is used mainly on urban routes you need to replace the engine oil and filter every year.
- To replace oil and oil filter. Refer to FILTER, ENGINE OIL, REMOVAL AND INSTALLATION .
- If refueling the car with fuel of inferior quality to the European specification provided it is recommended to replace the fuel filter cartridge, operating as described below.
- Replace the fuel filter cartridge, operating as described below. (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .

Fig 1: Filter Element, Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Position the fuel filter in vise with protective jaws.

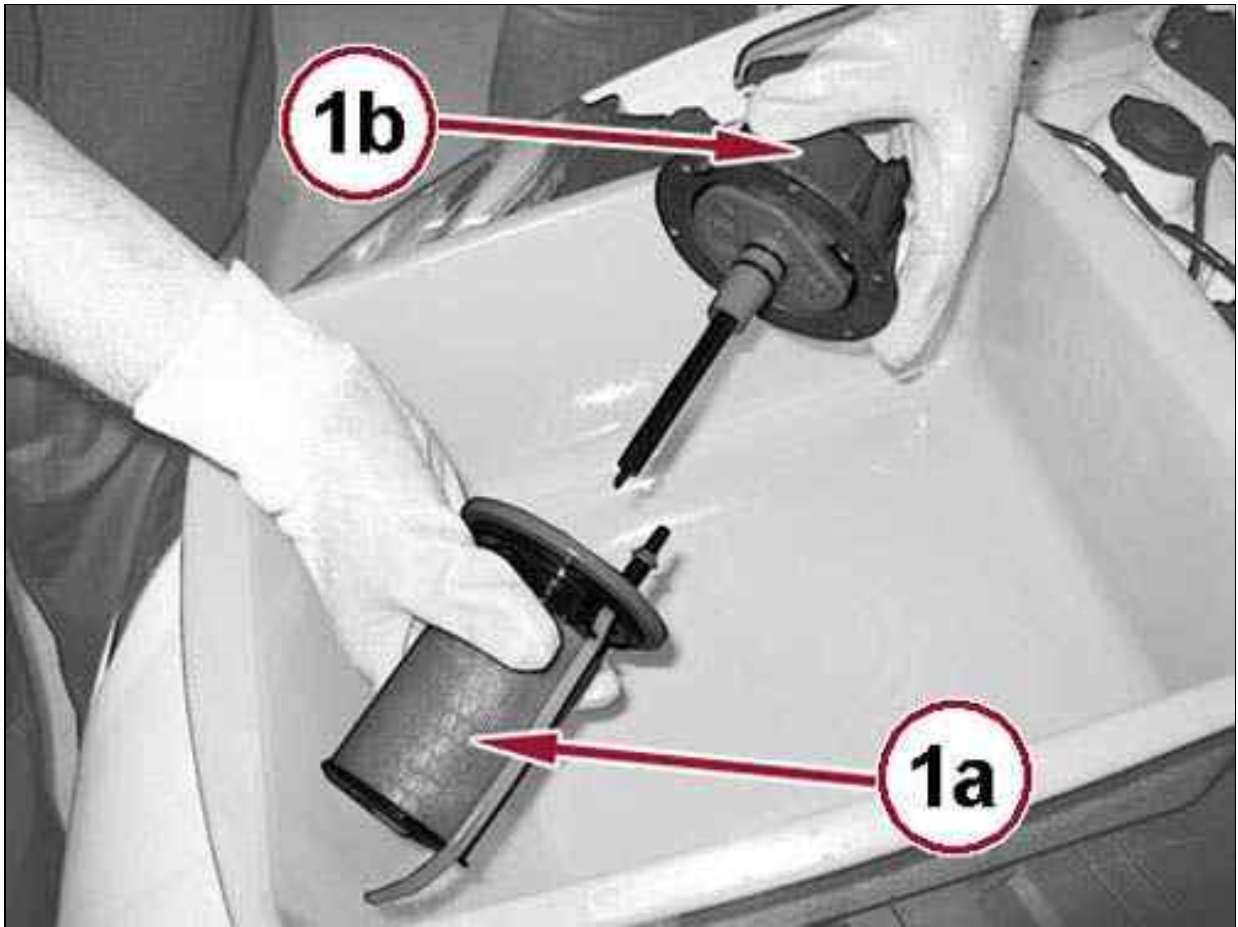


NOTE:

To avoid compromising the functionality of the new filter element, it is recommended to protect hands with suitable gloves when opening the protective and all stages of assembly.

- Remove the screws (1a), remove the cover (1b) complete with filter element (1c) and place in a suitable container.

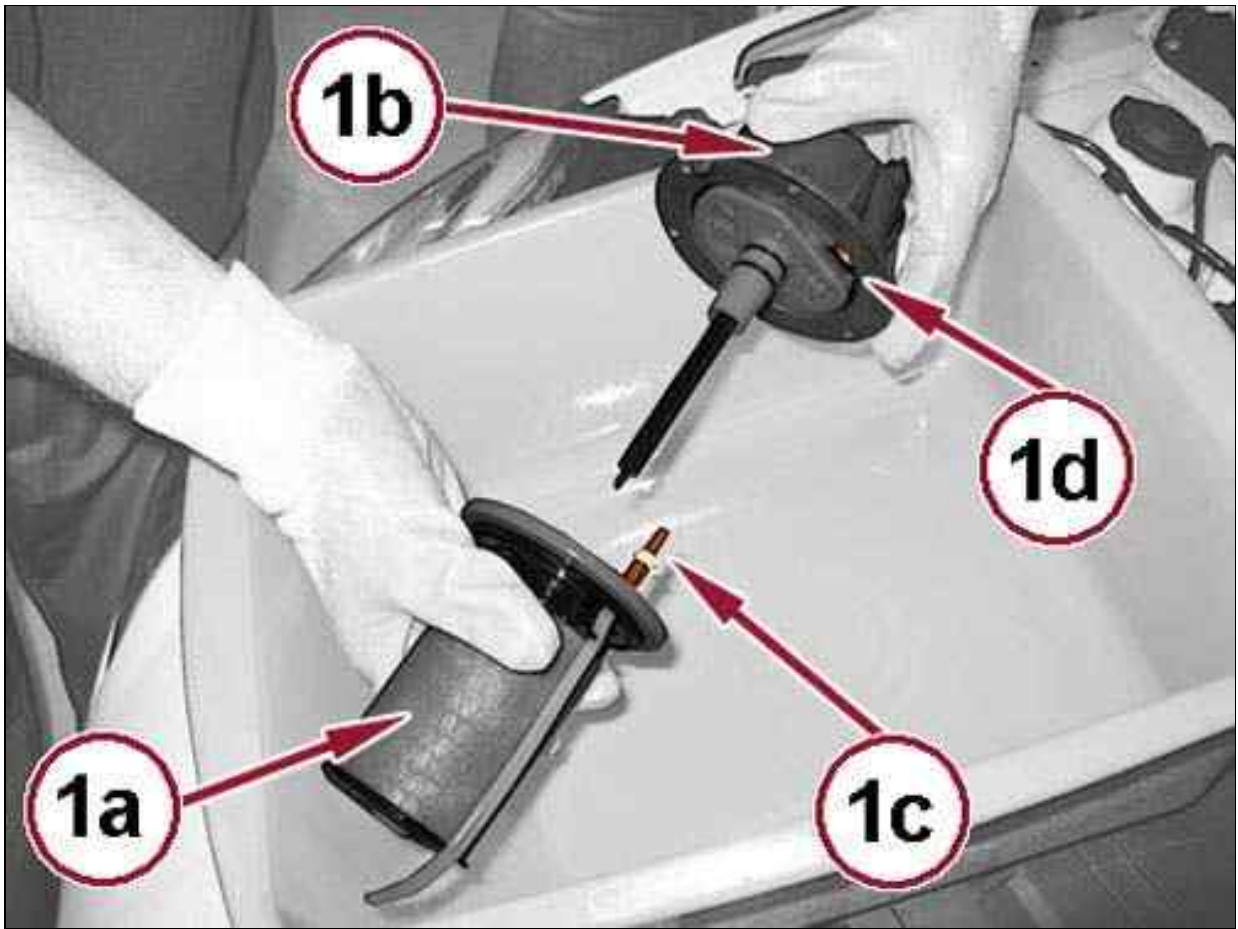
Fig 2: Filter Element & Cover



Courtesy of CHRYSLER GROUP, LLC

- Remove the filter element (1a) from the cover (1b).

Fig 3: Filter Element, Lid, Water Drain Line & Bleed Valve Hole



Courtesy of CHRYSLER GROUP, LLC

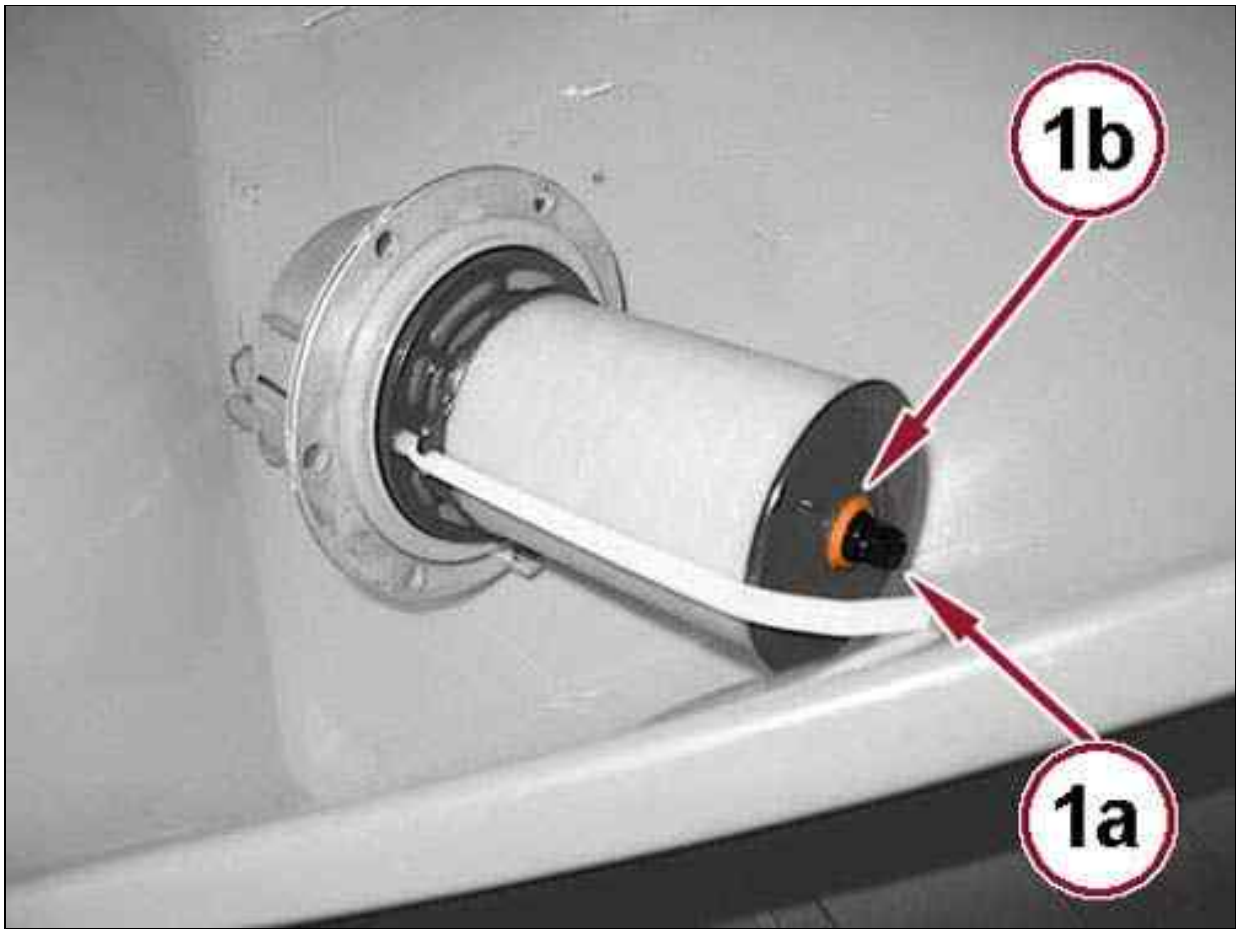


NOTE:

To avoid compromising the functionality of the new filter element, it is recommended to protect hands with suitable gloves when opening the protective and all stages of assembly.

- Assemble by pressing the new filter element (1a) in the lid (1b) engaging the water drain line (1c) in the hole (1d) of the bleed valve.

Fig 4: Water Presence Sensor & Seal Ring



Courtesy of CHRYSLER GROUP, LLC

- Check the correct position of the water presence sensor (1a) and seal ring (1b).

Fig 5: Tooth & Groove



Courtesy of CHRYSLER GROUP, LLC

- Place the filter element in the housing, taking care to engage the tooth with the groove of the support.
- Tighten the mounting screws on cover of fuel filter.
- Remove the fuel filter from the vise (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .
- If the car is used in dusty conditions replace the air filter cartridge operating as described below.

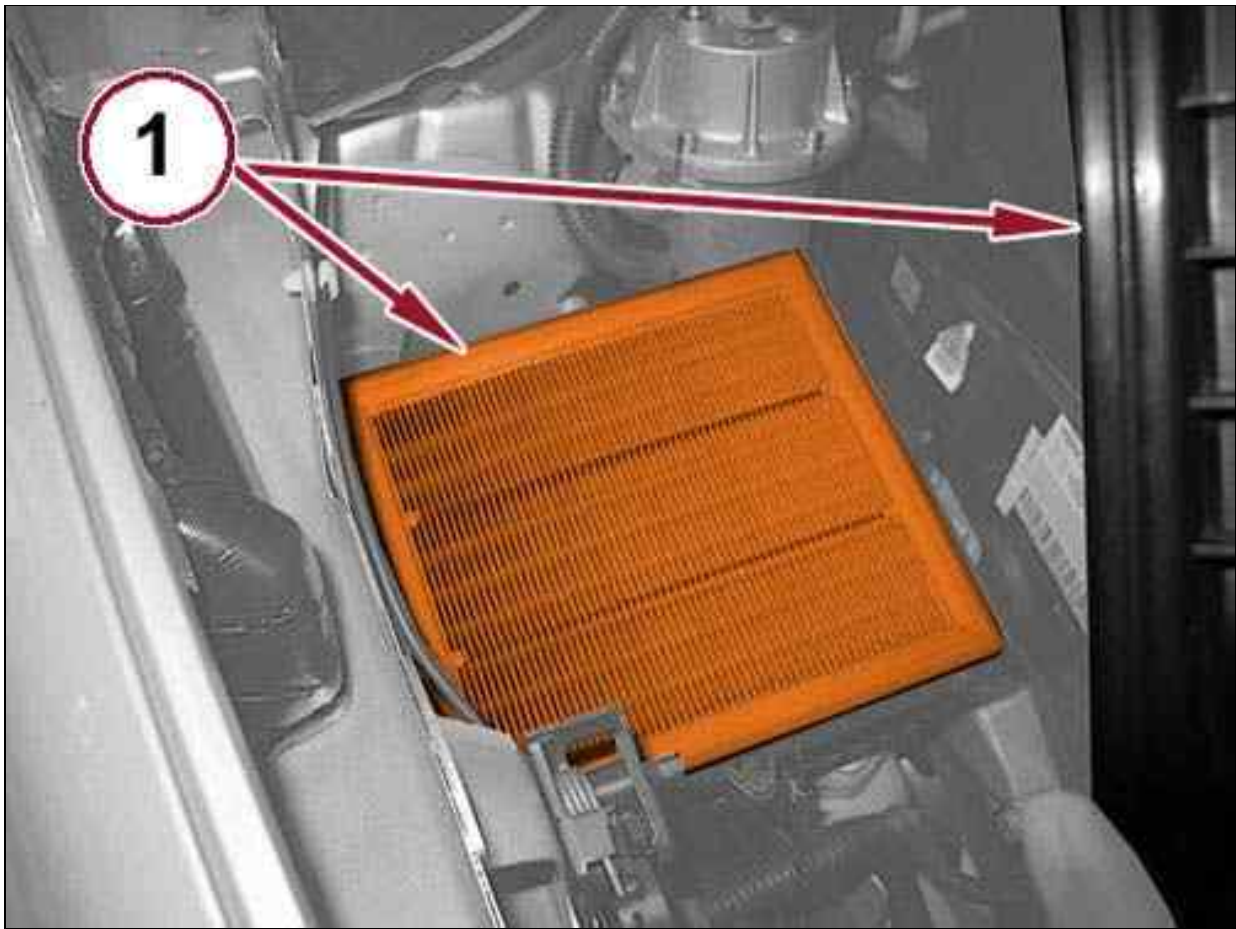
Fig 6: Air Filter Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.

Fig 7: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover and tighten the screws.
- If the car is used in dusty conditions replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

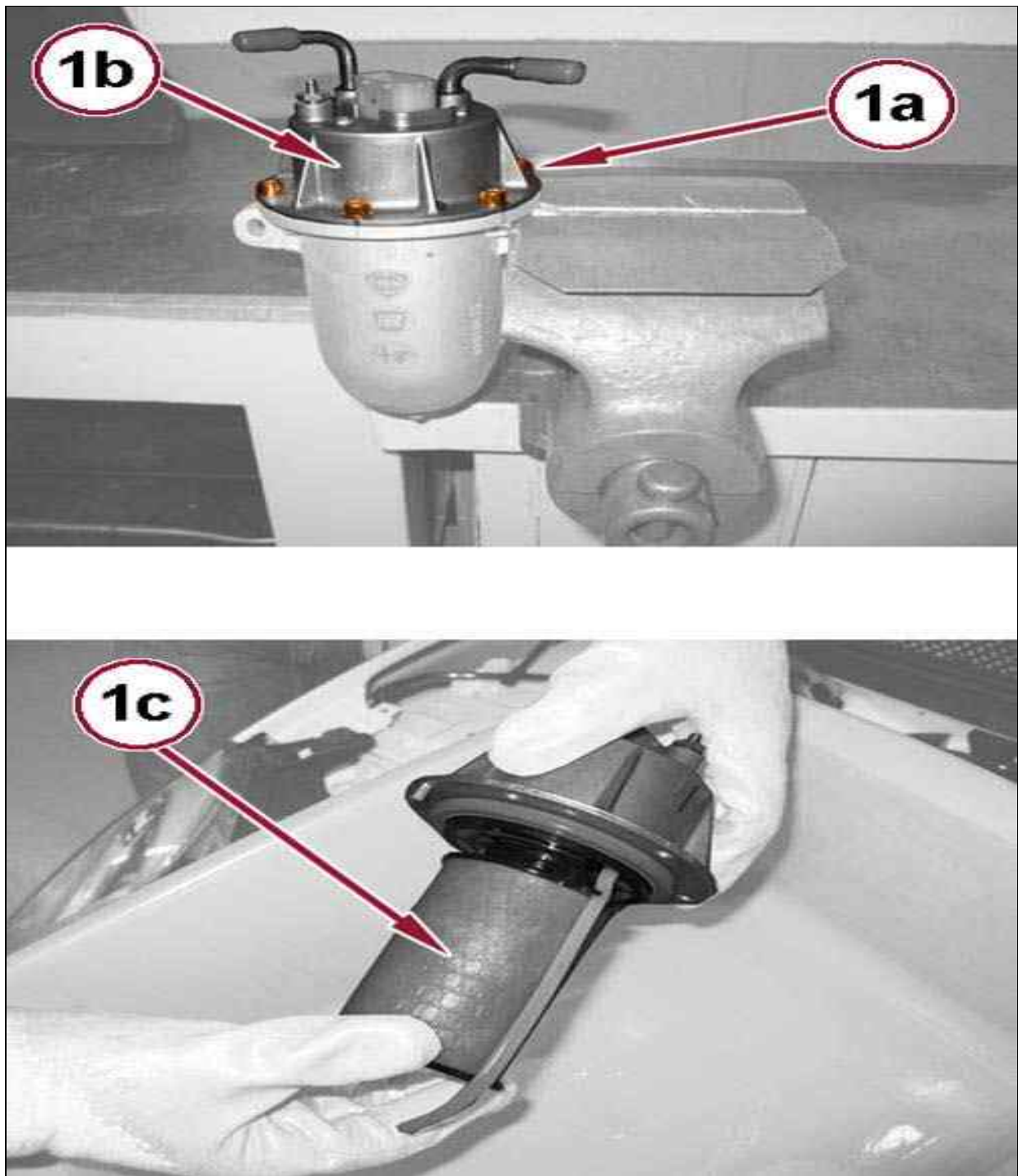
MAINTENANCE SCHEDULES > INSPECTION > 180, 000KM SERVICE (2.0L TURBO DIESEL 1.6L TURBO DIESEL)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).
- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .
- Check, by means of diagnostic socket, power system operation / motor control, emissions and for

versions / markets, where provided, engine oil degradation.

- Visually inspect conditions and integrity: exterior bodywork, underbody protection, pipes and hoses (exhaust, fuel system and brakes), rubber parts (boots, sleeves, bushings, etc.).
- Check positioning / wear of windscreen wiper front and rear.
- Check windscreen wiper washer and adjust nozzles.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- Check belt tension on accessory drive (versions without automatic tensioner).
- Replacing oil and oil filter is indicated by light or message on the instrument panel depending on the use of the car. Must not exceed 2 years.
- If the car is used mainly on urban routes you need to replace the engine oil and filter every year.
- To replace oil and oil filter. Refer to FILTER, ENGINE OIL, REMOVAL AND INSTALLATION .
- In the case of dusty areas and / or heavy use (cold climates, urban use, long idling) is recommended to replace the drive belt / s accessories.
- Replace the fuel filter cartridge, operating as described below. (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .

Fig 1: Filter Element, Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Position the fuel filter in vise with protective jaws.

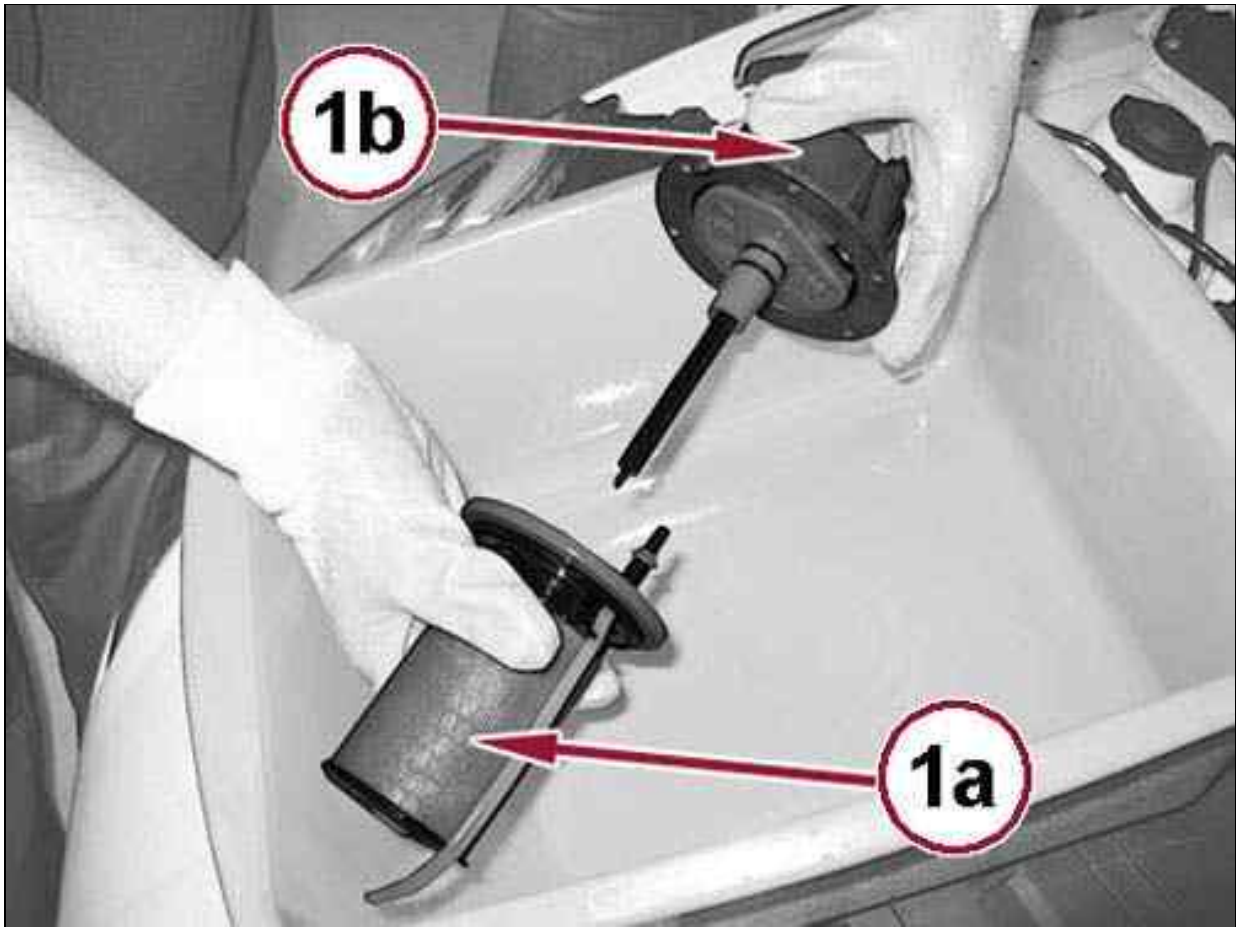


NOTE:

To avoid compromising the functionality of the new filter element, it is recommended to protect hands with suitable gloves when opening the protective and all stages of assembly.

- Remove the screws (1a), remove the cover (1b) complete with filter element (1c) and place in a suitable container.

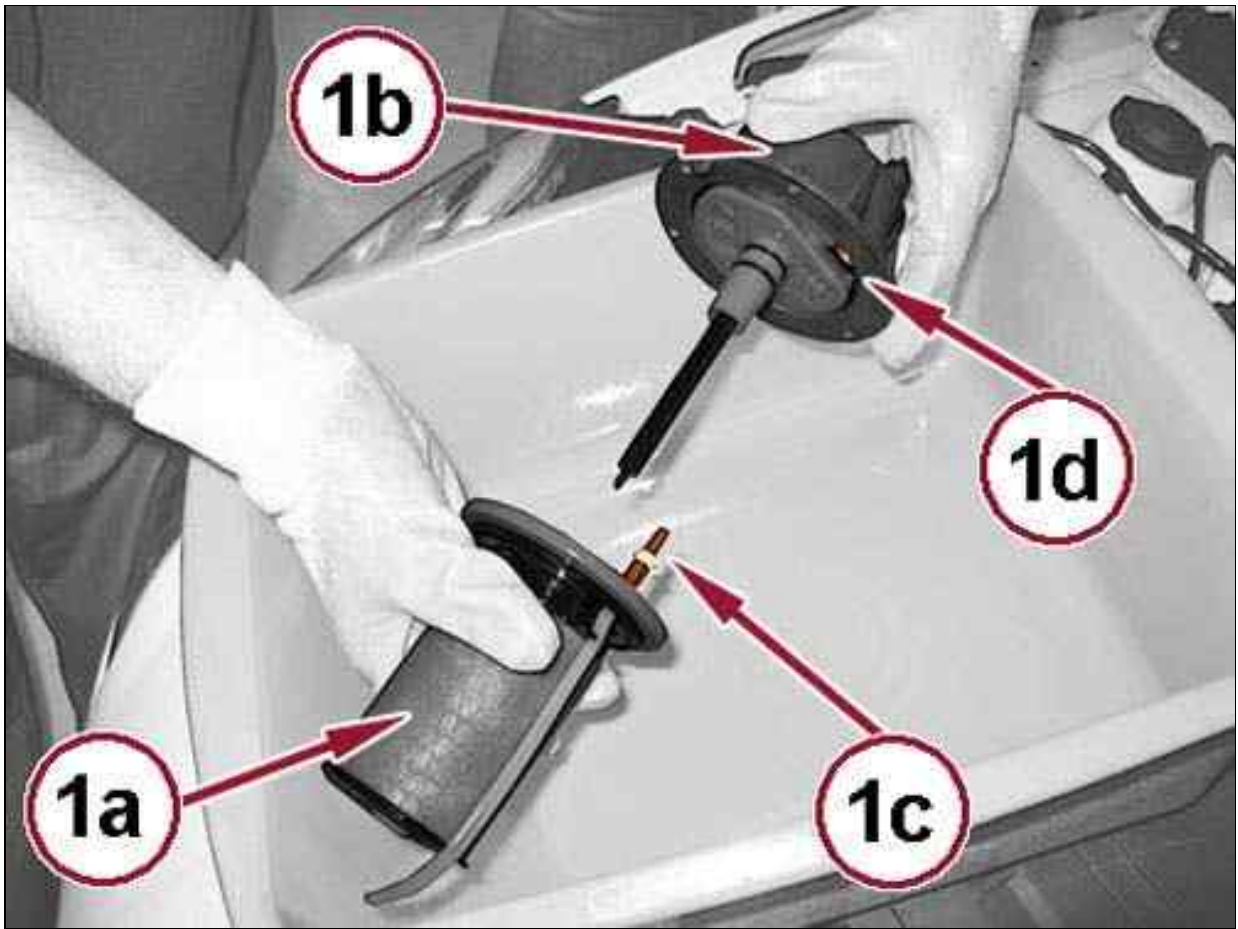
Fig 2: Filter Element & Cover



Courtesy of CHRYSLER GROUP, LLC

- Remove the filter element (1a) from the cover (1b).

Fig 3: Filter Element, Lid, Water Drain Line & Bleed Valve Hole



Courtesy of CHRYSLER GROUP, LLC

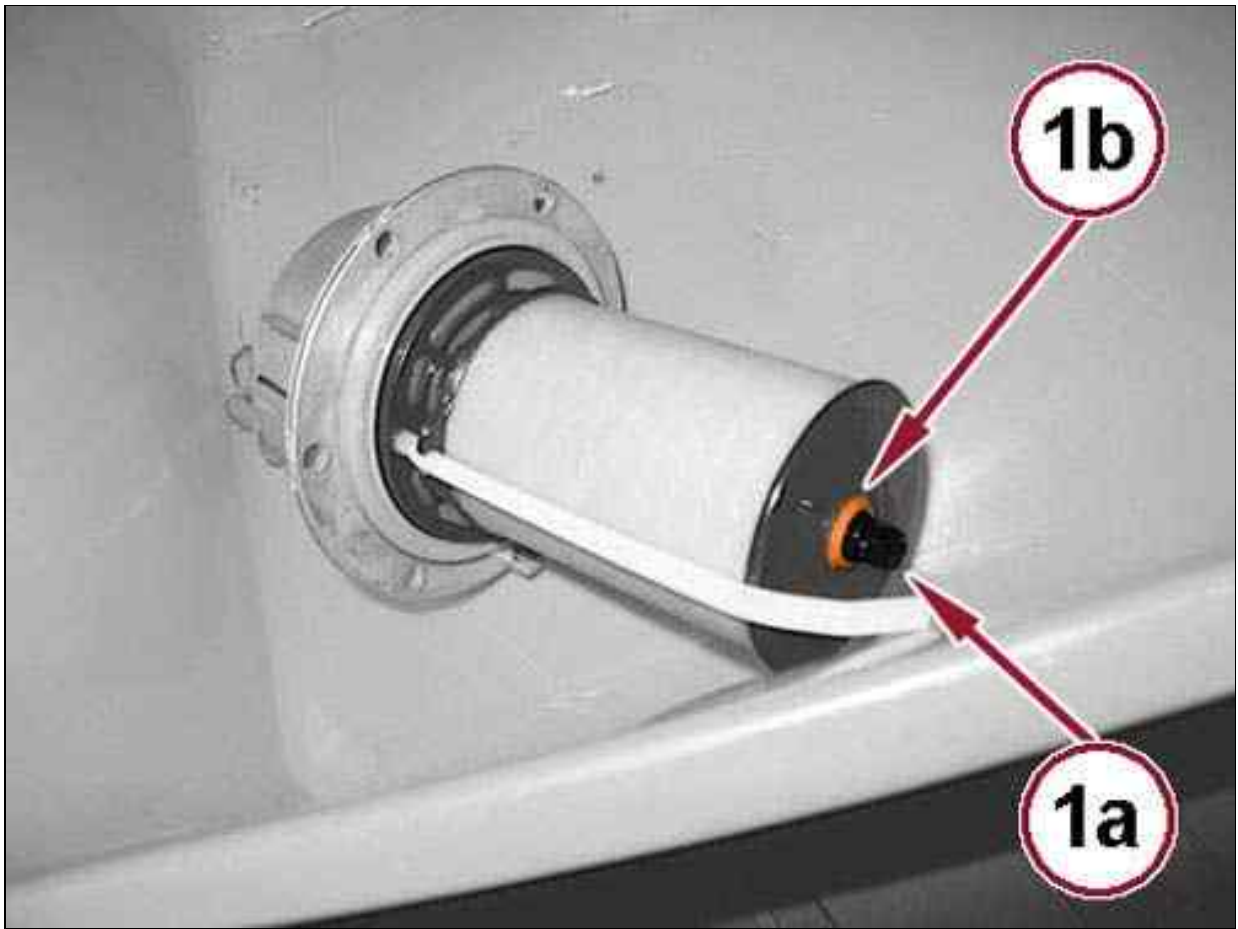


NOTE:

To avoid compromising the functionality of the new filter element, it is recommended to protect hands with suitable gloves when opening the protective and all stages of assembly.

- Assemble by pressing the new filter element (1a) in the lid (1b) engaging the water drain line (1c) in the hole (1d) of the bleed valve.

Fig 4: Water Presence Sensor & Seal Ring



Courtesy of CHRYSLER GROUP, LLC

- Check the correct position of the water presence sensor (1a) and seal ring (1b).

Fig 5: Tooth & Groove



Courtesy of CHRYSLER GROUP, LLC

- Place the filter element in the housing, taking care to engage the tooth with the groove of the support.
- Tighten the mounting screws on cover of fuel filter.
- Remove the fuel filter from the vise (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .
- If the car is used in dusty conditions replace the air filter cartridge operating as described below.

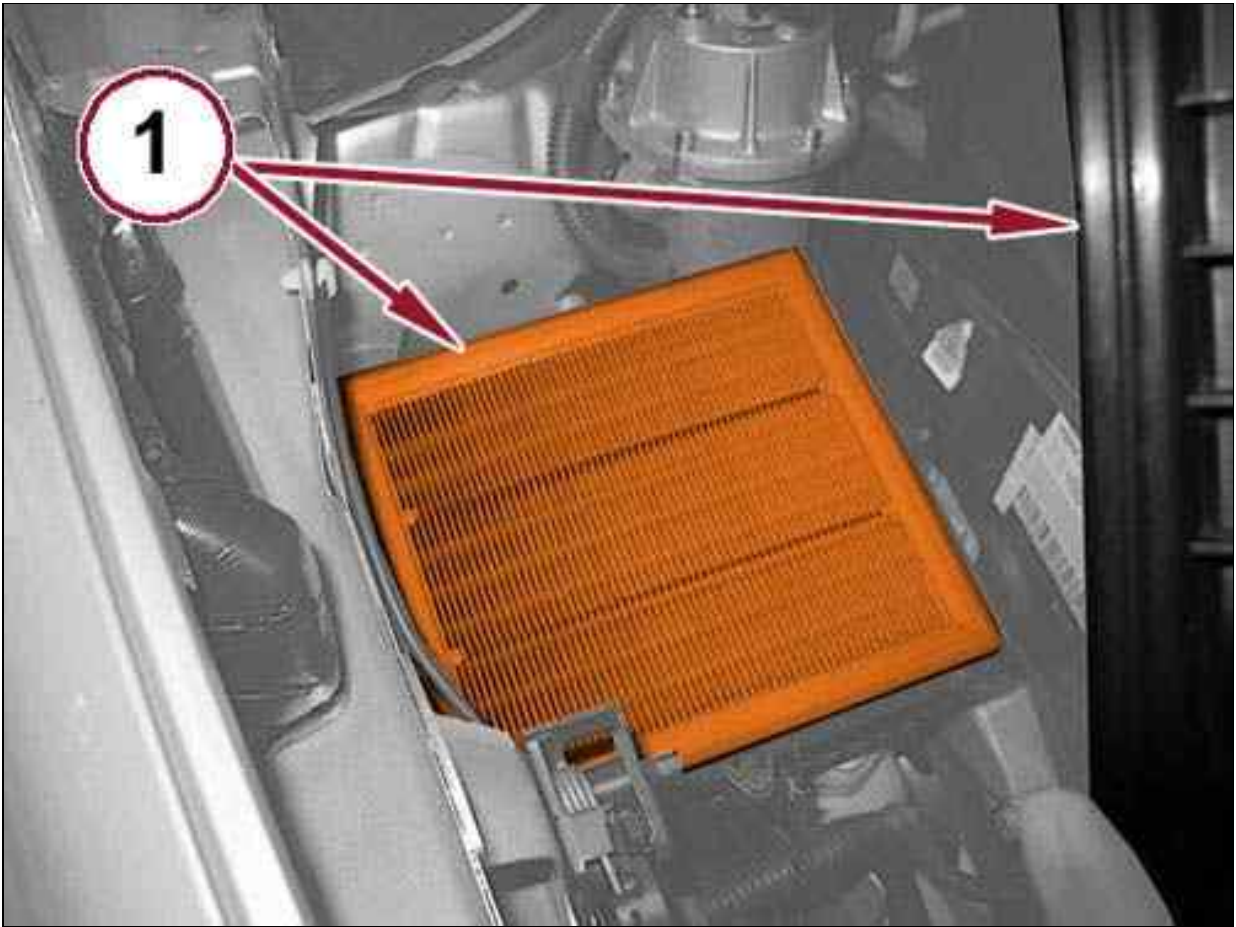
Fig 6: Air Filter Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.

Fig 7: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover and tighten the screws.
- If the car is used in dusty conditions replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

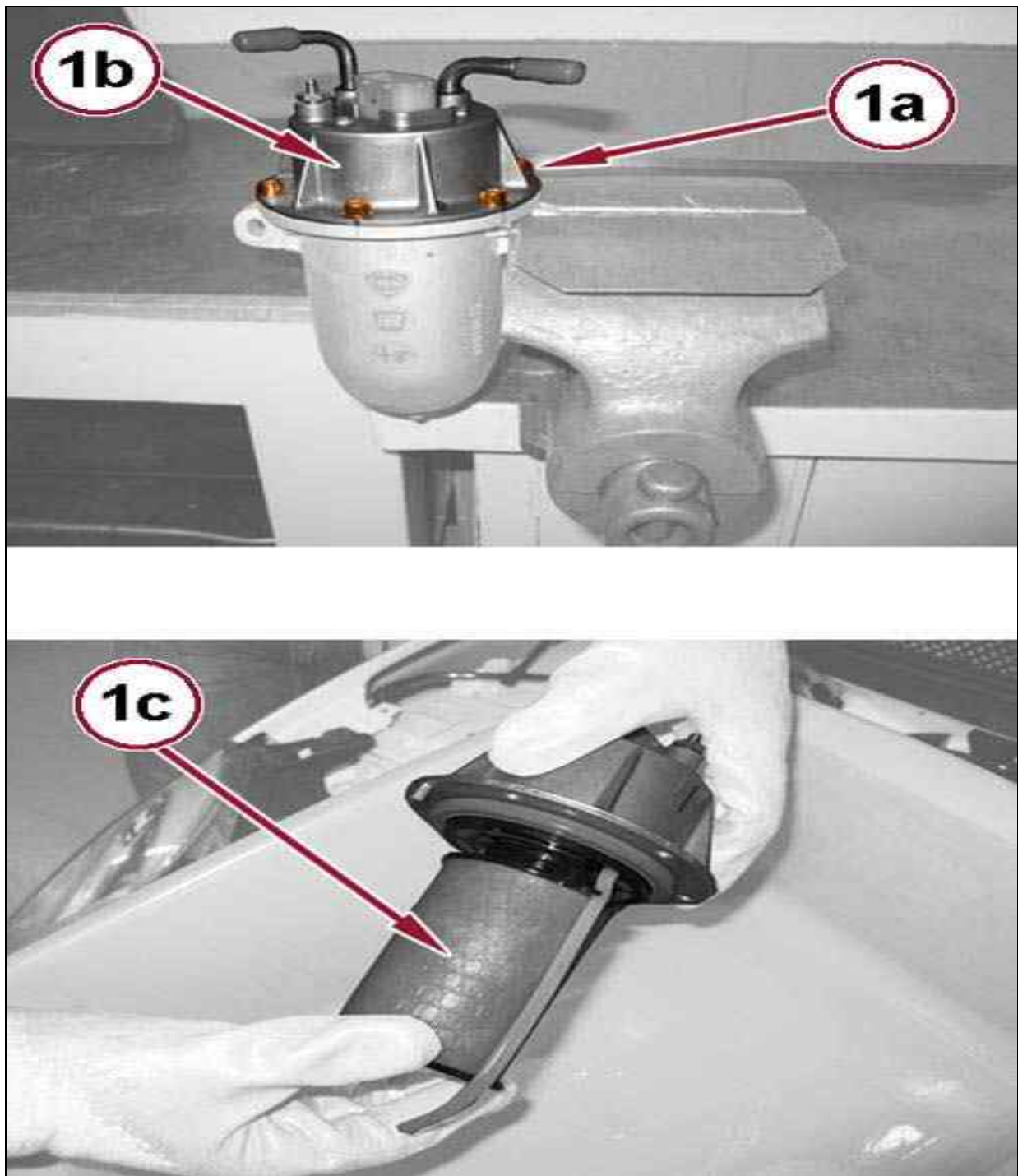
MAINTENANCE SCHEDULES > INSPECTION > 200, 000KM SERVICE (2.0L TURBO DIESEL 1.6L TURBO DIESEL)

- Check tire conditions / wear and adjust pressure, check expiration date on the Tire Service Kit charge (if any).
- Check lighting system operation (headlights, turn signals, rechargeable flashlight, passenger compartment, glove box, instrument panel warning lights, etc.).
- Check and restore fluid levels (engine coolant, brake / hydraulic clutch, windscreen washer, battery, etc.).
- Check emissions / exhaust gas. Refer to DIAGNOSIS AND TESTING .
- Check, by means of diagnostic socket, power system operation / motor control, emissions and for

versions / markets, where provided, engine oil degradation.

- Check cleanness of locks, hood and trunk lever cleanness and lubrication.
- Visually check condition and pad wear of the front disc brakes and operation.
- Visually check condition and pad wear of the rear disc brakes and operation.
- Visually check conditions / belt and accessory drive (versions without automatic tensioner).
- Replacing oil and oil filter is indicated by light or message on the instrument panel depending on the use of the car. Must not exceed 2 years.
- If the car is used mainly on urban routes you need to replace the engine oil and filter every year.
- To replace oil and oil filter. Refer to FILTER, ENGINE OIL, REMOVAL AND INSTALLATION .
- If refueling the car with fuel of inferior quality to the European specification provided it is recommended to replace the fuel filter cartridge, operating as described below. (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .

Fig 1: Filter Element, Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Position the fuel filter in vise with protective jaws.

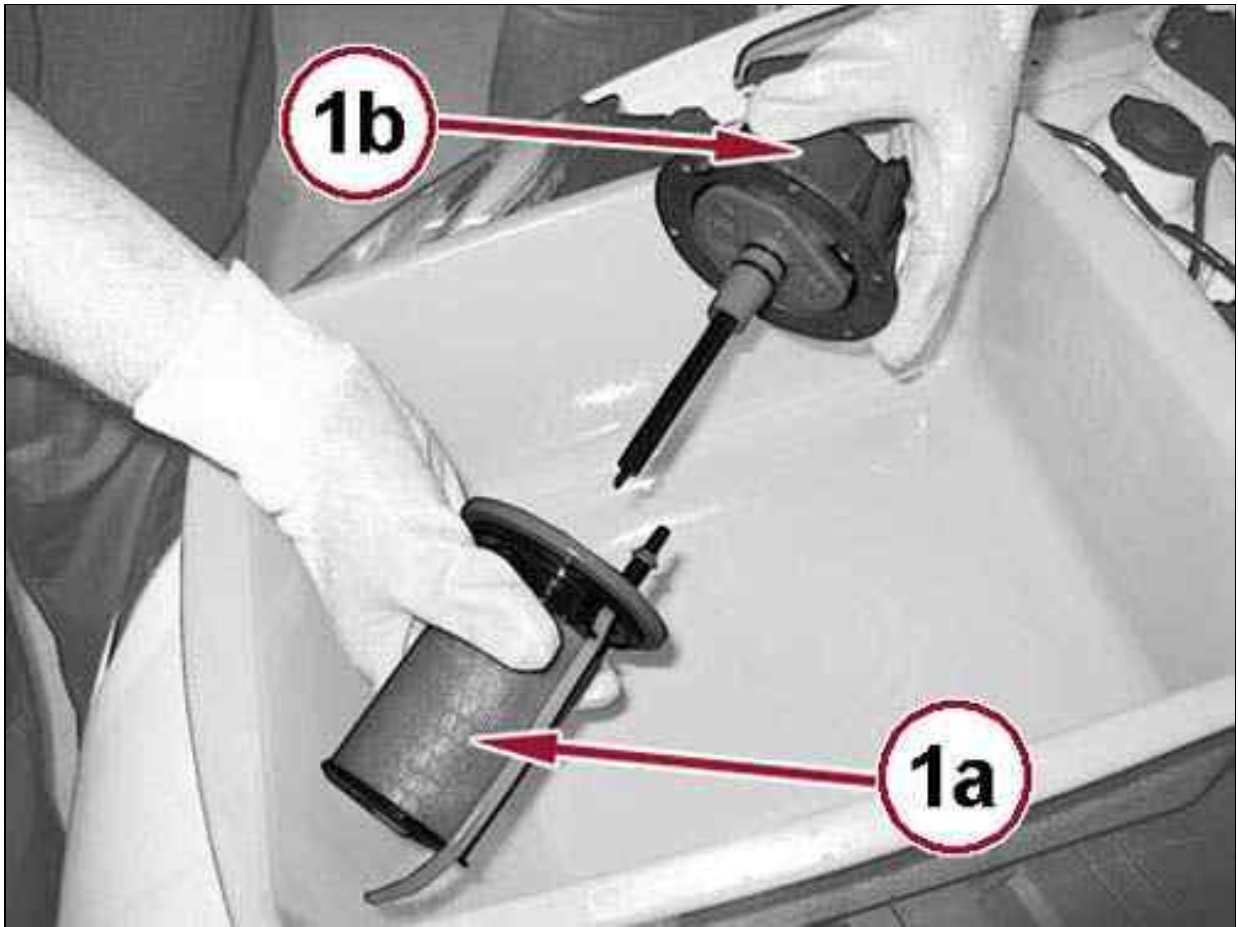


NOTE:

To avoid compromising the functionality of the new filter element, it is recommended to protect hands with suitable gloves when opening the protective and all stages of assembly.

- Remove the screws (1a), remove the cover (1b) complete with filter element (1c) and place in a suitable container.

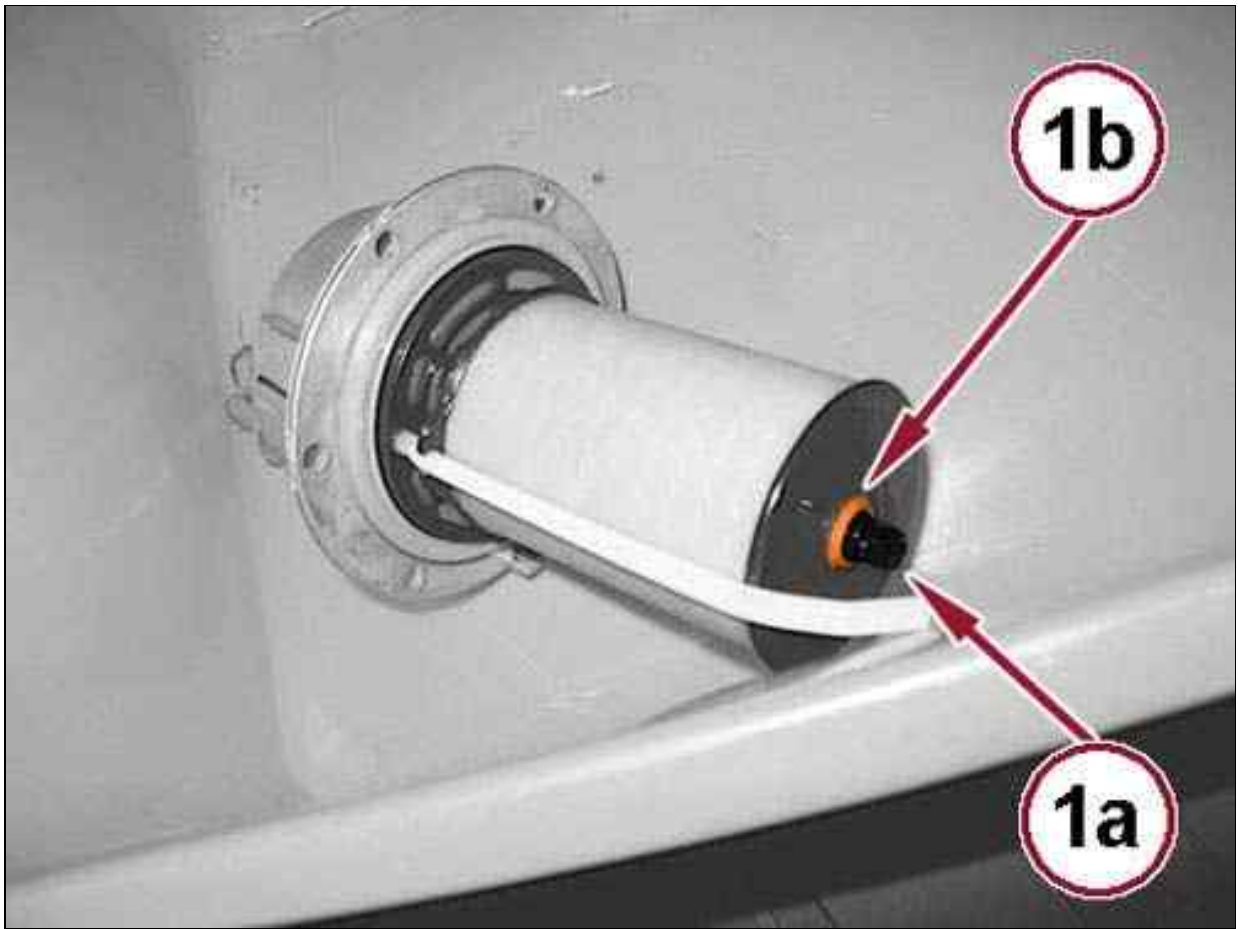
Fig 2: Filter Element & Cover



Courtesy of CHRYSLER GROUP, LLC

- Remove the filter element (1a) from the cover (1b).

Fig 3: Water Presence Sensor & Seal Ring



Courtesy of CHRYSLER GROUP, LLC

- Check the correct position of the water presence sensor (1a) and seal ring (1b).

Fig 4: Tooth & Groove



Courtesy of CHRYSLER GROUP, LLC

- Storing in its place the complete cover of filter element, taking care to engage the tooth with the groove of the support.
- Tighten the mounting screws on cover of fuel filter.
- Remove the fuel filter from the vise (Refer to REMOVAL AND INSTALLATION). Refer to COVER, ENGINE, REMOVAL AND INSTALLATION .
- If the car is used in dusty conditions replace the air filter cartridge operating as described below.

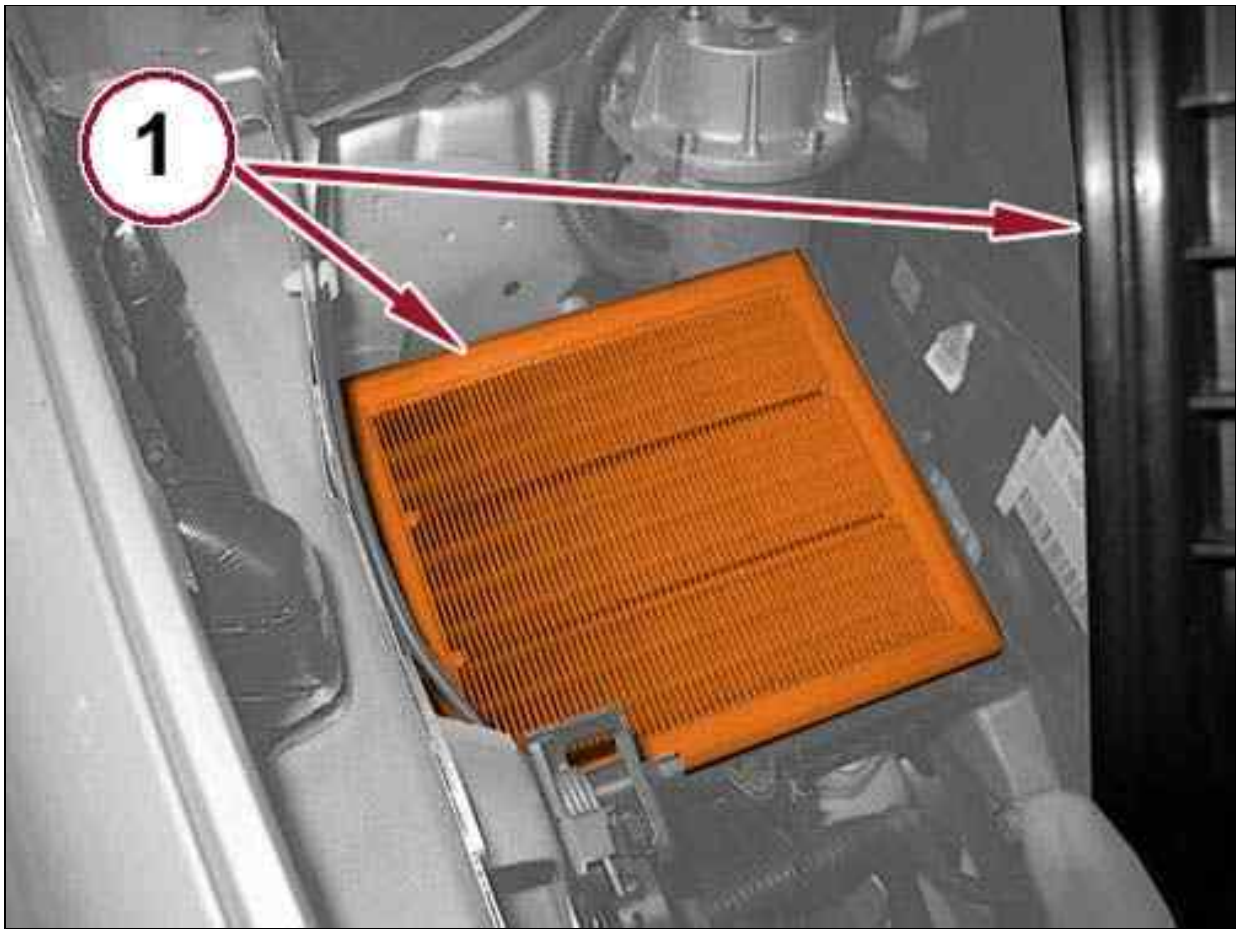
Fig 5: Air Filter Cover & Screws



Courtesy of CHRYSLER GROUP, LLC

- Remove the screws fixing air filter cover.

Fig 6: Air Filter Cartridge & Cover



Courtesy of CHRYSLER GROUP, LLC

- Lift the lid and replace the air filter cartridge.
- Put into place the air filter cover and tighten the screws.
- Replace the brake fluid. Refer to STANDARD PROCEDURE .
- If the car is used in dusty conditions replace the cabin air filter. Refer to FILTER, CABIN AIR, REMOVAL AND INSTALLATION .

**NEW VEHICLE PREPARATION INSTRUCTIONS > STANDARD PROCEDURE > EMEA >
STANDARD PROCEDURE - PREPARATION FOR DELIVERY OF NEW VEHICLE**

DEALERSHIP IDENTIFICATION DATA
Corporate name
Sincom code

VEHICLE IDENTIFICATION DATA
Model

Version
Chassis No.
CONFORMITY
• On-board documentation conformity
• Accessory check
• Check for and carry out the applicable Campaigns
VEHICLE INTERIOR
• Fitting fuses or deactivating Logistic Mode
• Anti-theft device/remote control operation check
Start up the engine and check the operation of:
• Electric handbrake
• Warning lights going out
• Horns, windscreen washer/wipers, hazard warning lights
• Reset the trip meter
Switch off the engine and check:
• Interior trim, exterior trim, seat belt mountings and sliding
• Adjust clock, date, language and unit of measurement
• Locks
ENGINE COMPARTMENT
Check and, if necessary, restore:
• Battery charge status
• Brake/clutch fluid level
• Engine oil level
• Power steering fluid level (for vehicles with hydraulic power steering)
• Screen washer fluid level
CAR EXTERIOR
Raise the vehicle and check:
• Condition of underbody
• No leaks from lubrication system
• No leaks from engine cooling system
• No leaks from the braking/clutch system

• No leaks from power steering system
• No leaks from fuel system
• No leaks from window washer system
• Condition of differential driveshaft boots
• Condition of brake hoses and pipes
Lower the vehicle and carry out:
• Check tire inflation pressure
• Fit wheel hub caps (where available)

FINAL CHECK
• Check front and rear seats
• Remove moving/transportation protections
• Remove labels from windscreen
• Wash vehicle and check for water penetration
• Dry vehicle
• Clean passenger compartment, windows and rear view mirrors
• Fit radio aerial
• Visually inspect vehicle exterior
• Secure the front and rear number plate mounting
• Apply "Inspected" label



NOTE:

The special cards containing instructions and warnings for the customer should not be removed

Detected faults:

Date:
Operator's name:
Operator's signature:

NEW VEHICLE PREPARATION INSTRUCTIONS > STANDARD PROCEDURE > NAFTA > STANDARD PROCEDURE - NEW VEHICLE PREPARATION

VEHICLE READINESS



NOTE:

This document is for reference purposes only. The instructions are not VIN-specific, and it is not required to print or retain this document for each New Vehicle Prep performed.

Description	Action
Place vehicle into Customer Mode (15 Renegade)	1. Ignition in the ON/RUN position 2. Headlights Off; 3. Turn on the right-hand turn indicator 4. Pull and hold the multifunction switch to high-beam (or flash) mode 5. Hold the lever in this position for around 10 seconds.  NOTE: <i>IT IS NOT POSSIBLE TO ACTIVATE THE LOGISTIC MODE MANUALLY.</i> Once out of Logistics Mode, the Battery indicator will turn off.
Keep All Protective Transit Film and Wheel Covers & Films on vehicle until sold, or up to 180 Days	Keep All Protective Transit Film and Wheel Covers & Films on vehicle until sold, or up to 180 Days.
Inflate tire pressure to max side wall pressure (except heavy duty trucks)	Increase the tire pressure to maximum sidewall pressure if vehicle is going into lot storage.
Install all "Shipped Loose" items	Install all "Shipped Loose" items.
Install Front License Plate Bracket (if required)	Install Front License Plate Bracket.
Install Roof Rack	Install Roof Rack.
Install Antenna	Install Antenna.

Install Shark Fin Antenna	Process. 1. Locate lower antenna module on vehicle roof. 2. Locate Pull Tab located on top of the roof installed module. 3. Pull tab - removing protective film cover (protects lower module from elements during shipping. 4. Locate upper shark fin (ships in vehicle trunk) and place atop lower module. 5. Apply hand force to "snap" fit.
Install Wheel Center Caps	Install Wheel Center Caps.
Reset Tire Pressure Light Load Switch (if equipped)	If vehicle is going into storage and tire pressure is being set to max, switch the tire pressure light load setting to "max load" using the button on the instrument panel.

UNDERHOOD	
Description	Action
Hood Latch and Safety Catch - Adjust as Needed	Verify the operation of the hood release system including the inside hood release lever and the outside hood secondary safety catch. Adjust if necessary. The safety catch prevents the hood from going to the full open position until it is manually released. To test the safety catch, unlatch the hood with the interior hood release lever and attempt to raise the hood without operating the safety catch.
Battery State-of-Charge - document voltage	Check the battery state of charge by connecting a digital voltmeter at the jump-start locations. The battery voltage should be at least 12.4 volts. If charging is necessary, follow the service information procedures and recharge the battery. Record voltage on New Vehicle Prep (NVP) form.
Loose Attachments, Routing and Clearance	Inspect the following for routing, loose attachments, connections, and clearance. Reroute and tighten as required: Brake Lines, Fuel Lines, Power Steering Hoses, Vacuum Hoses, Clutch Lines, Refrigerant Lines, Wiring, Belts.
All Fluid Levels	Refer to the owner's manual or service information for proper fluid level inspection locations.
No Fluid Leaks present	Visually inspect the underhood area to ensure absence of fluid leaks. Check clamps for tightness an full engagement.

ROAD TEST

Description	Action
Perform Road Test, Mileage: Before _____ After _____	Record mileage before and after road test.
Engine Starts with All Keys	Start vehicle with all sets of keys.
All Warning Lights and Gauges / No DTCs	Verify all warning lights and gauges are operating properly, and no fault codes exist.
Keyless Go	Ensure vehicle starts with push button, when key is inside vehicle.
Engine Starts Only in Park & Neutral	Verify engine will only start while automatic transmission is in park or neutral.
Engine Starts Only with Clutch Depressed	Verify engine will only start when clutch is depressed on manual transmission vehicles.
Service and Parking Brakes	Apply the service brakes while the car is in motion. Be sure the brake operation is smooth and positive. Make sure the vehicle stops in a straight line and without pulling to one side. Ensure there is no shudder or vibration when braking. Ensure that the parking brake is easy to operate. Make sure the parking brake does not drag.
Brake Transmission Shift Interlock	Ensure that the vehicle will only start when the brake is depressed on vehicles with automatic transmission.
Clutch / Manual Transmission Shifting	Check for smooth shifting. Make sure shift lever operates easily and smoothly. Check for proper synchronization. The gears should not grind.
Automatic Transmission Shifting	Make sure that the park lock mechanism holds the vehicle. With the vehicle on a grade, put the automatic transmission in park and slowly release the service brake to check the operation of the park mechanism. Make sure the shift lever operates easily and smoothly. Check for smooth shifting. Check for proper upshifting and downshifting.
Autostick	Verify that Autostick feature allows proper shifting through the gears.
Engine Performance - Cold	The engine should: start properly, idle smoothly and at proper speed, be free from stumbling or hesitation, produce sufficient power, be free of unusual noises, operate within the proper temperature range, and stop when the ignition key is shut off or stop button is depressed.
Engine Performance - Warm	The engine should: start properly, idle smoothly and at proper speed, be free from stumbling or hesitation, produce sufficient power, be free of unusual noises, operate within the proper temperature range, and stop when the ignition key is shut off or stop button is depressed.

Steering and Handling	Check that the power assist works properly. Make sure that the steering wheel does not vibrate abnormally at idle or road speed. Ensure that the steering wheel is centered when traveling in a straight line. Check that the vehicle does not drift to either side on flat road surfaces. Make sure that the vehicle does not vibrate or shake abnormally.
Noise, Vibration, Squeaks, or Rattles	Check that the vehicle is free of noise, vibrations, squeaks, or rattles. Tighten any loose fasteners.
Heater / Defrost- Front	Check the heater operation after the vehicle has reached operating temperature. Operate blower motor at all speeds. Operate the system in all modes. Check for hot air at all appropriate outlets. Check for temperature control operation.
Air Conditioning	Ensure that the A/C system cools properly. Operate blower motor at all speeds. Check for cool air at all temperature outlets. Operate the system in all modes.
Rear Heater and Air Conditioning	Check the rear heater and A/C for proper operation.
Defrost - Rear	Ensure that the electric heated rear defroster operates correctly. Turn on and feel for warmth.
Blindspot Monitoring System (if equipped)	While on road test, verify that the visual warning indicators located on the side view mirrors are operating properly when an object is within the detection zone.
Cruise Control (if equipped)	Check the "on/off" switch. Check the "set" operation. Check the "resume" function. Check the "accelerate" and "decelerate" function. Check the "cancel" button. Check the brake/clutch release function. If equipped, verify operation of Adaptive Cruise Control function.
Set Compass Variance / Calculation (if equipped)	Refer to the service information on TechCONNECT for information regarding compass setting procedures.
Electronic Sway Bar Disconnect (if equipped)	With vehicle in four wheel drive, press the sway bar switch to activate the system. Verify that the "Sway Bar Indicator Light" is illuminated. *Warning- Do NOT exceed 18 MPH / 29 KMPH while the front sway bar is disconnected.
Transfer Case (if equipped)	Shift the transfer case through all ranges to make sure all shifting is smooth and operates properly.
Load Leveling Air Suspension (if equipped)	Use the terrain select switch to change the ride height during normal driving conditions. Cycle through each selection and verify proper operation of the air suspension system.
Tire Pressure Monitoring System	Verify that Tire Pressure Monitoring Indicator Light is not illuminated when tires are above minimum inflation recommendations. Ensure that indicator lamp is not flashing/chiming.

Park Assist (if equipped)	Put vehicle in reverse and slowly back up toward an object. Verify that Park Assist warning icon, lights and chimes operate properly as object is approached.
Back-Up Camera (if equipped)	Put vehicle in reverse, verify that screen provides a clear and visible image from rear of vehicle.

INTERIOR	
Description	Action
Visually Inspect Interior Parts for Damage, Fit, etc.	From the interior of the vehicle, open and close all doors to ensure ease of operation. Fully open and close the glove box to ensure proper operation. Fully open and close the console door to ensure proper operation. Check interior panels for proper fit and free from damage.
All Interior Lamps and Horn	Operate and visually inspect all interior lights and switches, including: Dome/Map lamps, and if equipped the following: vanity mirror lamps, glove box lamps, ash tray lamp, cigar lighter lamp, radio lamps, door mounted lamps, illuminated entry system. Ensure that the horn operates properly.
Rear View Mirror	Check that the rearview mirror's day/night function is operating properly.
Front and Rear Wipers and Washers	Activate front windshield wipers, and if equipped, rear window wipers and check for proper operation at all speeds. Activate the front and if equipped, the rear washer. Check the spray pattern for proper operation and aim. Check the intermittent wipe feature for proper operation.
All interior Door Locks including Child Locks	Check all interior door locks for proper operation, including rear child safety door locks if equipped. Place in the unlocked position.
Steering Wheel Mounted Controls	Check all steering wheel controls for proper operation.
Memory Mirror / Seat	Verify the proper operation of the memory mirror and seat system.
Cigar Lighter	Check cigar lighter for proper operation.
Power Windows and Window Lock Switch	Fully open and close all power windows to ensure proper operation and sealing. Ensure that the windows operate properly at each door. Verify that window lock button is operating properly.
Power Adjustable Pedals (if equipped)	Check the adjustable pedals for proper operation by pressing the switch on the steering column.
Outside Power Mirrors	Check power mirrors for proper operation.
Power Folding Outside Mirrors	Press Power Folding Mirror button on driver side door trim panel. The switch is located between the Left and

	Right Power Mirror buttons.
Power Heated Mirrors (if equipped)	Check power heated mirrors for proper operation.
Seats and Seat Belts - All Adjustments	Check for correct installation and operation of seat and shoulder belts, and retractors. Check that the restraint system safety labels regarding the use of seatbelts and airbags are in place. Fully cycle the seats for proper adjustments and verify that each seat is securely mounted. Fold down and latch the rear seats. Pull forward to check that the latches operate correctly. Check for proper head restraint operation.
Skyslider (if equipped)	Cycle the Skyslider roof. Check and adjust alignment as required.
Power Sunroof (if equipped)	Cycle sunroof. Ensure that the sunroof opens and closes easily. Verify proper operation of one touch open/close feature if equipped.
Set Clock(s)	Set all clocks to correct time. Refer to Owner's Manual for information regarding clock setting procedures.
Audio System	Turn the radio on and check reception in both AM and FM modes. Check that the CD player operates properly. Check for good sound quality from all speakers.
Turn on the ECO light, The "Display fuel saver" option must be turned on	On a vehicle equipped with the base RA1 radio this option can be found in the EVIC under settings On a vehicle equipped with any other radio (RA2, 3, 4) this option can be found in the radio under controls->settings->display
Satellite Radio (if equipped)	Turn on satellite radio and verify reception.
Video System(if equipped)	Test the DVD player to ensure that a DVD will load properly and display on the screen.
Satellite Streaming Video (if equipped)	Satellite Streaming Video.
Wireless Headphones / Video Remote (if equipped)	Check for proper operation of the Wireless Headphones / Video Remote.
Heated Steering Wheel (if equipped)	Verify that heated steering wheel is functioning properly.
Power Outlet(s)	Check all power outlets for proper operation.
Integrated Child Seat / Belt	Check the child restraints and child seats for proper operation.
Power folding Headrests (if equipped)	Verify proper operation of power folding third row head restraints by pressing the power folding switch located on the instrument panel switch bank.
Heated Seats (if equipped)	Check for proper operation of heated seats on all power levels, on all equipped seats.
Power Cooled Seats (if equipped)	Check for proper operation of ventilated seats on all power levels, on all equipped seats.

Heated / Cooled Cup Holders (if equipped)	Check for proper operation of the heated and cooled and cooled cup holders.
Cargo Compartment Cover (if equipped)	Check the rear cargo compartment cover is operating properly.
Vinyl Floor Covering - (if equipped)	Verify properly equipped.

EXTERIOR	
Description	Action
Inspect Body and Paint for Damage and Fit/ Finish	Inspect the body exterior for damage, loose or missing items. During the inspection, ensure that no vehicle damage occurred from the time the vehicle was received and the beginning of the New Vehicle Preparation.
Exterior Lamps - Headlamps, Turn Signals, Hazards, Park/Tail/License Plate, Trunk Lights, etc.	Operate and visually inspect the following: Headlamps (High/Low Beams), turn signals, hazard warning flashers, parking/tail/license plate lamps, reverse/back up lamps, fog lamps, stop lamps including center mounted stop lamp, daytime running lamps (if equipped), clearance lamps, cargo bed lamps, any other lamps.
Lock and Unlock all doors with all mechanical keys	Verify all doors lock and unlock with all mechanical keys.
Doors, Liftgate and Tailgate- Adjust Strikers as Needed	Open each door/liftgate/tailgate from the outside to check outside door handle operation. Check the door detent. Partially close all doors to check the open-door detent. Close all doors/liftgates/tailgates to check the operation of latches and strikers. Adjust strikers as required. Verify liftgate/tailgate ease of operation.
Power Liftgate - Inspect for fit and operation (if equipped)	Verify all modes of operation of the power liftgate, including operating the liftgate using the inside switches and the Remote Keyless Entry transmitter.
Security Alarm Test (if equipped)	Lock doors using the Remote Keyless Entry Transmitter. Verify the operation of the Vehicle Security System warning lamp.
Passive Entry (if equipped)	Verify that the Keyless Enter-N-Go feature is operating properly, by grabbing the door handle of the locked vehicle, while the Remote Keyless Entry transmitter key is within 5 feet of the vehicle. The door should unlock automatically.
Remote Keyless Entry (if equipped)	Verify that doors unlock properly using all key FOBS.
Remote Start (if equipped)	Verify that engine starts with all keys when using Remote Keyless Entry Transmitter.

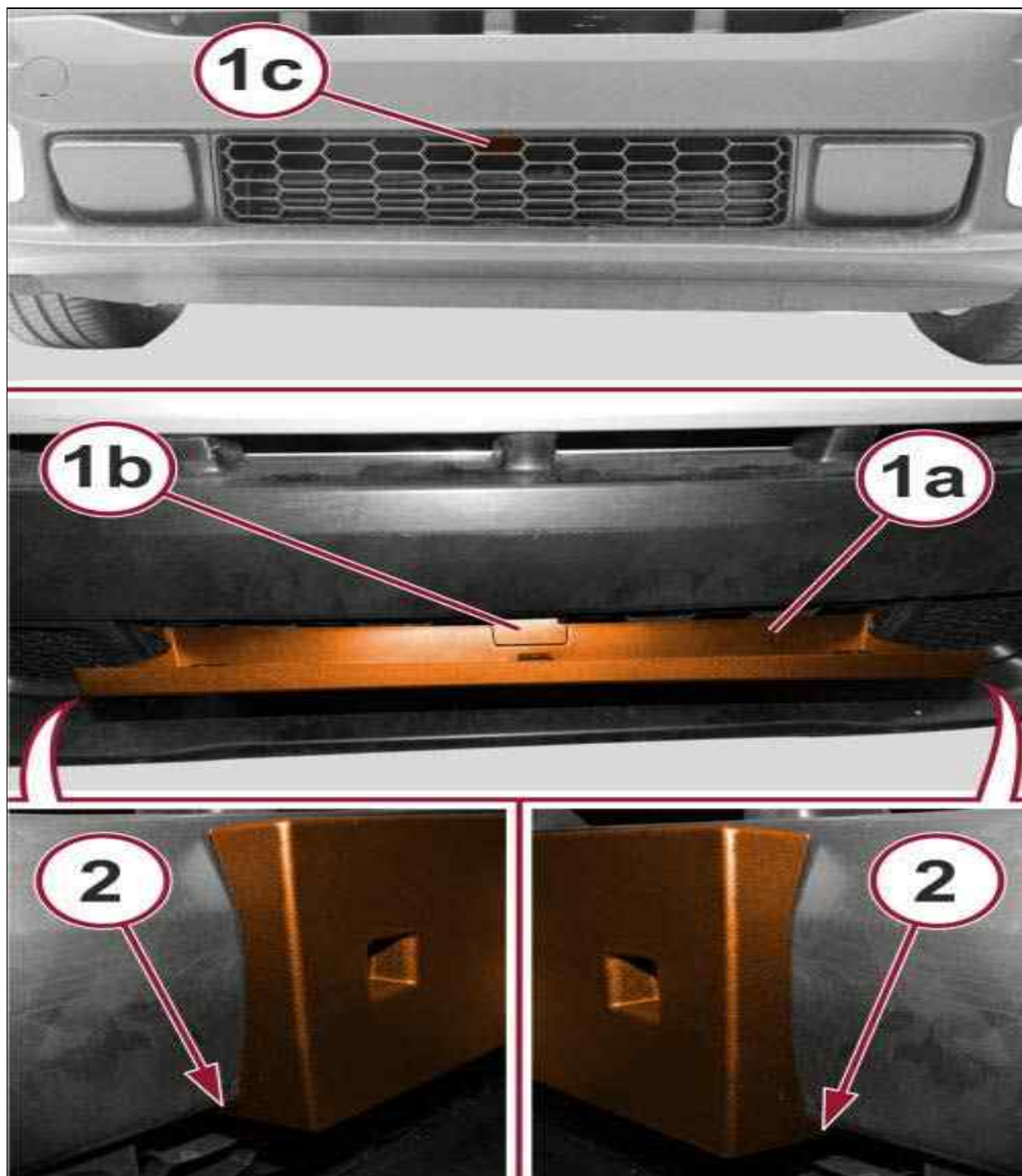
VEHICLE STORAGE

Description	Action
Keep all protective transit film, wheel covers and films on vehicle until sold	Keep all protective transit film, wheel covers and films on vehicle until sold.
Inflate tire pressure to max side wall pressure	Inflate tire pressure to max side wall pressure (except heavy duty trucks.) Periodically move vehicles to prevent Flat Spotting on tires

FINAL DETAIL & INSPECTION	
Description	Action
Perform all incomplete recalls and RRT's	Perform all incomplete recalls and RRT's.
Remove interior and exterior Transportation Protective Covers	Remove exterior protective coatings/coverings from vehicle, remove interior protective covers, grease markings on door jambs, unnecessary labels, etc.
Inspect paint and body, touch up as needed	Make sure that the body is free from paint chips or scratches. Touch up any chips/scratches using thin layers of paint. Ensure that the body is free from dings and dents.
Test and record battery state of charge	Check the battery state of charge by connecting a digital voltmeter at the jump-start locations. The battery voltage should be at least 12.4 volts. If charging is necessary, follow the service information procedures and recharge the battery. Record voltage on New Vehicle Prep (NVP) form.
Install TomTom Navigation	Connect the electrical connector to the navigation port. Push the navigation port into the instrument panel until it snaps into place securely. Install the navigation mount holder and navigation screen. Perform the 12-Volt Power Up procedure. Store navigation screen for security reasons in accordance to your dealership process.
Take Vehicle Tracking Module (VTM) out of Transport Mode using wiTECH	Using wiTECH, take the Vehicle Tracking Module (VTM) out of Transport Mode. wiTECH Path: ECU > Miscellaneous > Change VTM Mode > Disable
Adjust tire pressures including spare to door placard	Adjust tire pressures including spare to door placard.
Reset Tire Pressure Light Load Switch (if equipped)	Reset the Tire Pressure Light Load Switch back to the "Light Load" setting using the switch on the instrument panel.
Wash and clean vehicle exterior	Wash the entire vehicle. Clean the tire sidewalls and wheel/wheel covers (use non - acidic wheel cleaner). Clean exterior/interior glass surfaces.
Clean vehicle interior	Inspect the interior trim, seats, carpeting, and moldings. Clean as necessary.

NEW VEHICLE PREPARATION INSTRUCTIONS > LICENSE PLATE INSTALLATION > FRONT, BASE - EMEA

Fig 1: Front License Plate (Base) - EMEA

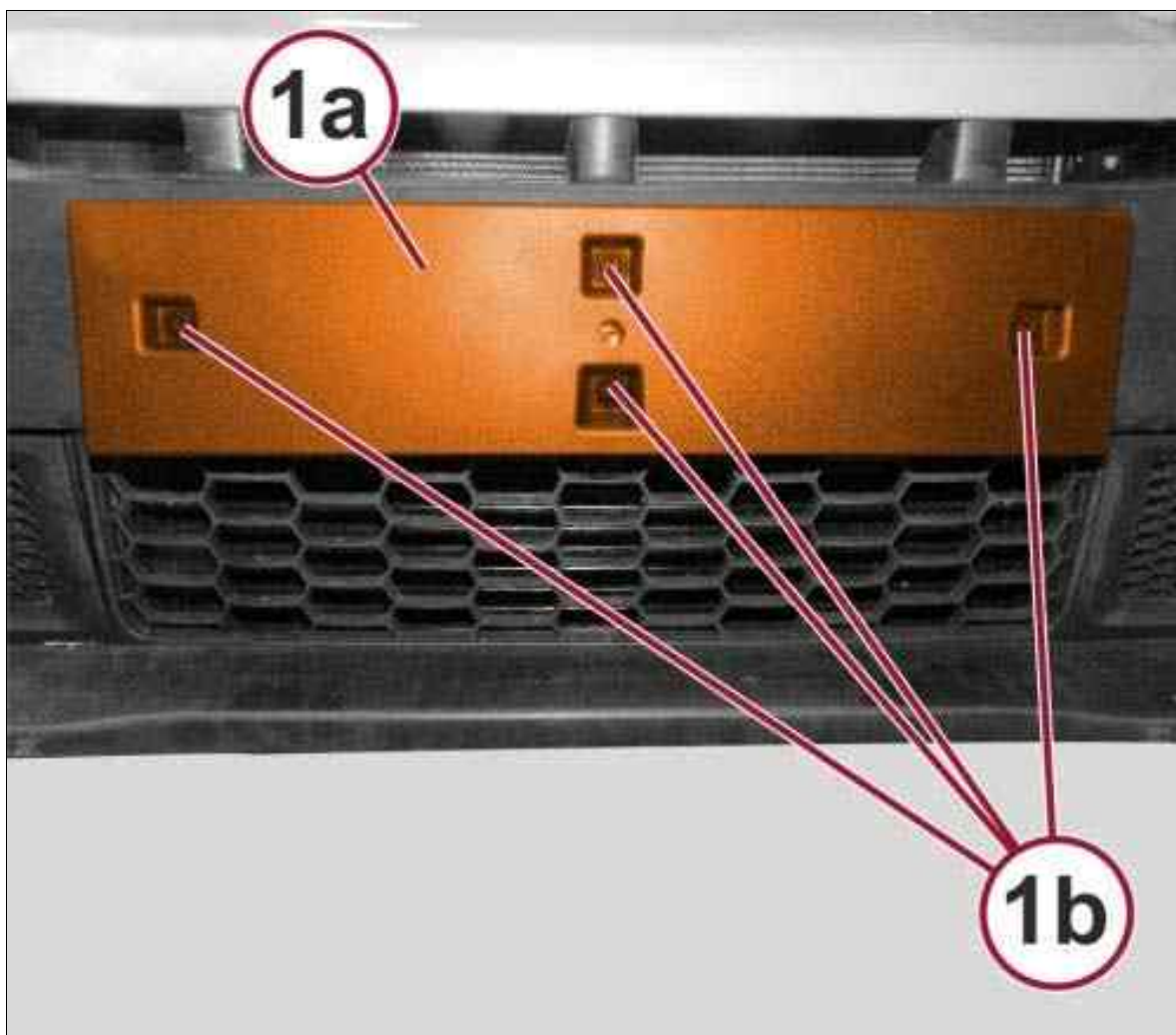


Courtesy of CHRYSLER GROUP, LLC

- 1.
2. Place the plate holder (1a) with the insert centering (1b) in the bumper, centering it with the reference (1c) on the bumper.

3. Raise the number plate holder to align the side profiles.

Fig 2: Plate Holder & Mounting Screws

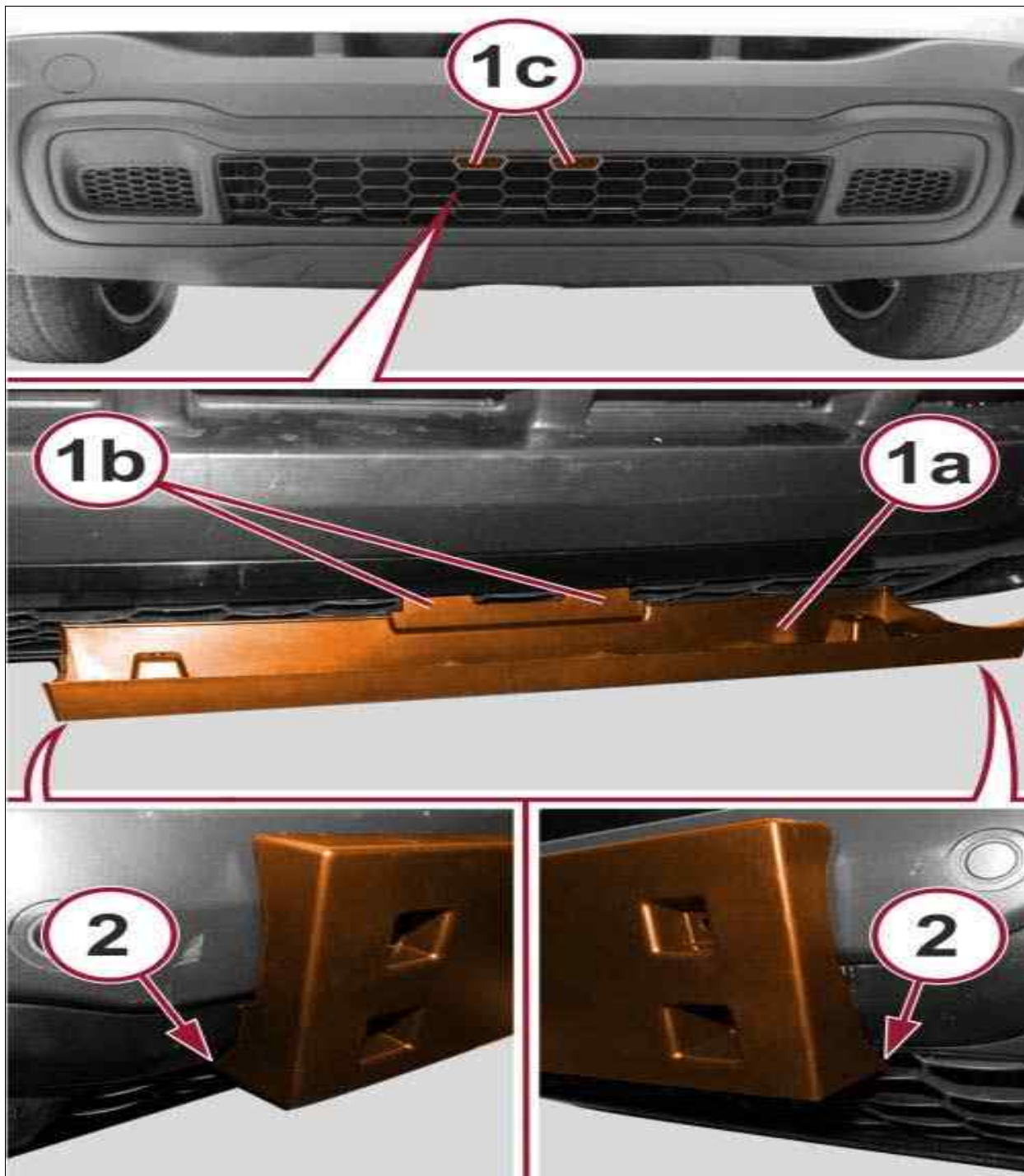


Courtesy of CHRYSLER GROUP, LLC

4. Support the plate holder (1a) and tighten the mounting screws (1b) provided.
5. Install the front license plate.

**NEW VEHICLE PREPARATION INSTRUCTIONS > LICENSE PLATE INSTALLATION >
FRONT, TRAIL HAWK - EMEA**

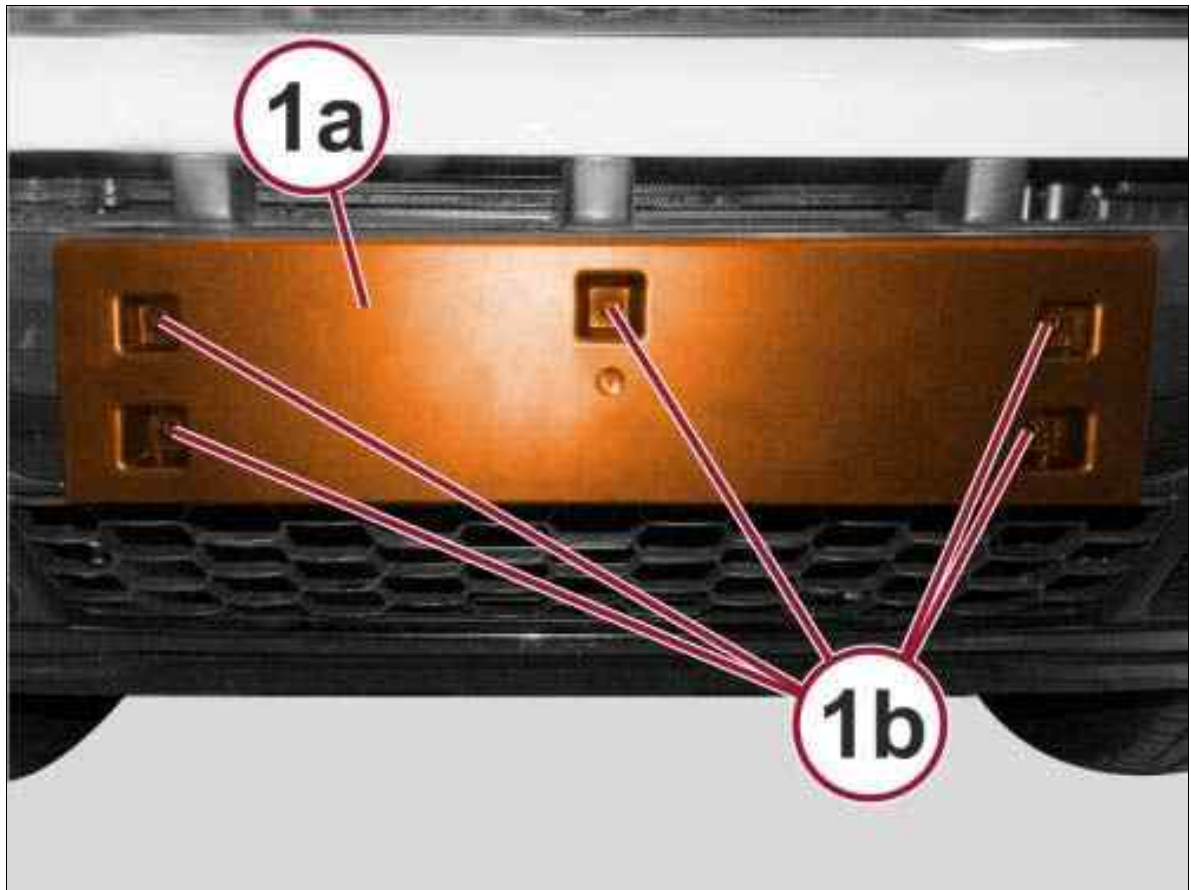
Fig 1: Front License Plate (Trail Hawk) - EMEA



Courtesy of CHRYSLER GROUP, LLC

1. Place the plate holder (1a) with the insert centering (1b) in the bumper, centering it with the reference (1c) on the bumper.
2. Raise the number plate holder to align the side profiles.

Fig 2: Plate Holder & Mounting Screws

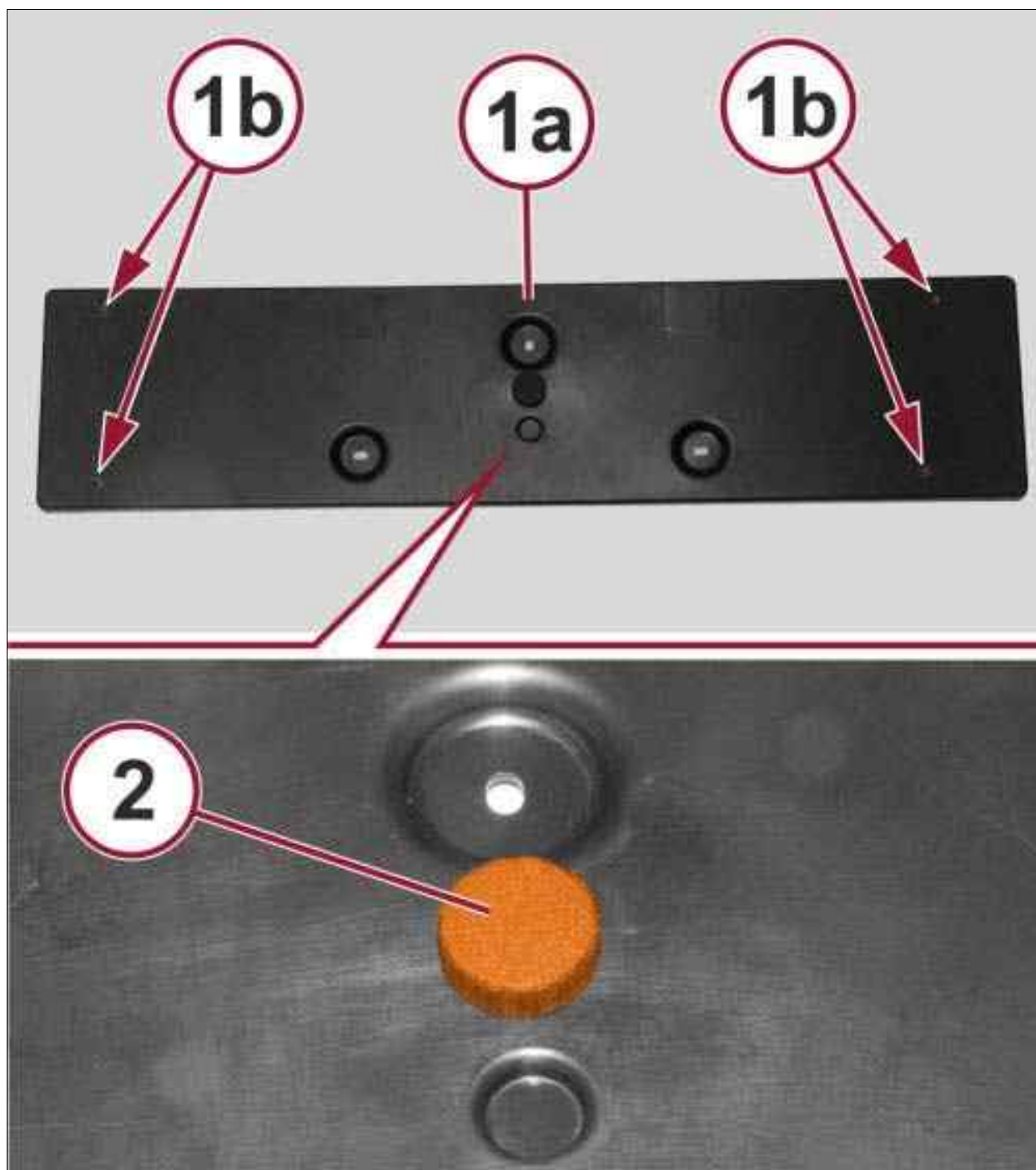


Courtesy of CHRYSLER GROUP, LLC

3. Support the plate holder (1a) and tighten the mounting screws (1b) provided.
4. Install the front license plate.

**NEW VEHICLE PREPARATION INSTRUCTIONS > LICENSE PLATE INSTALLATION >
REAR, EMEA**

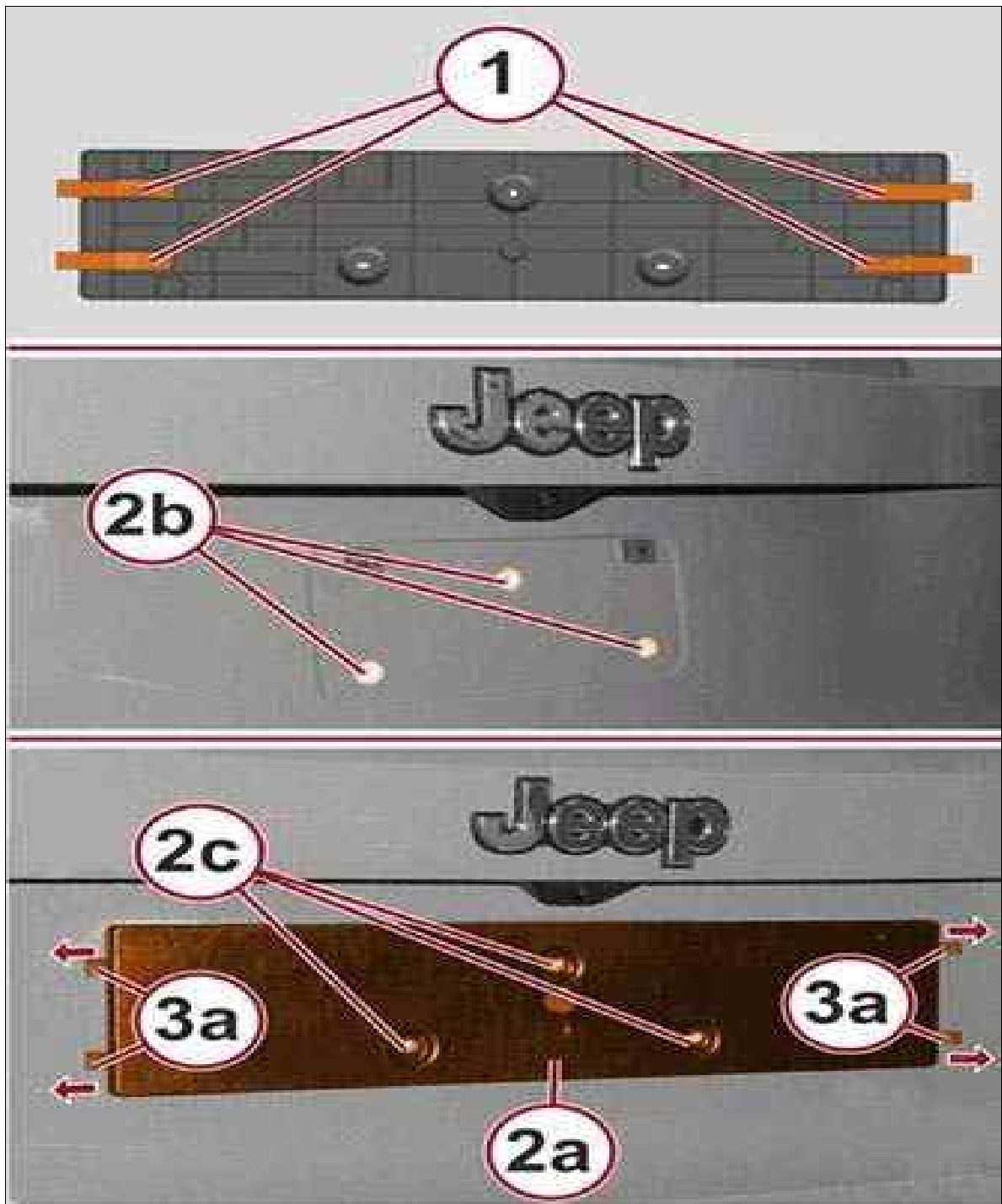
Fig 1: Rear License Plate - EMEA



Courtesy of CHRYSLER GROUP, LLC

1. Use a drill with a suitable bit to make holes in the marked points (1b) of the rear number plate holder (1a).
2. Place the self-adhesive rubber pad in position.

Fig 2: Rear Number Plate Holder, Buffers & Fasteners



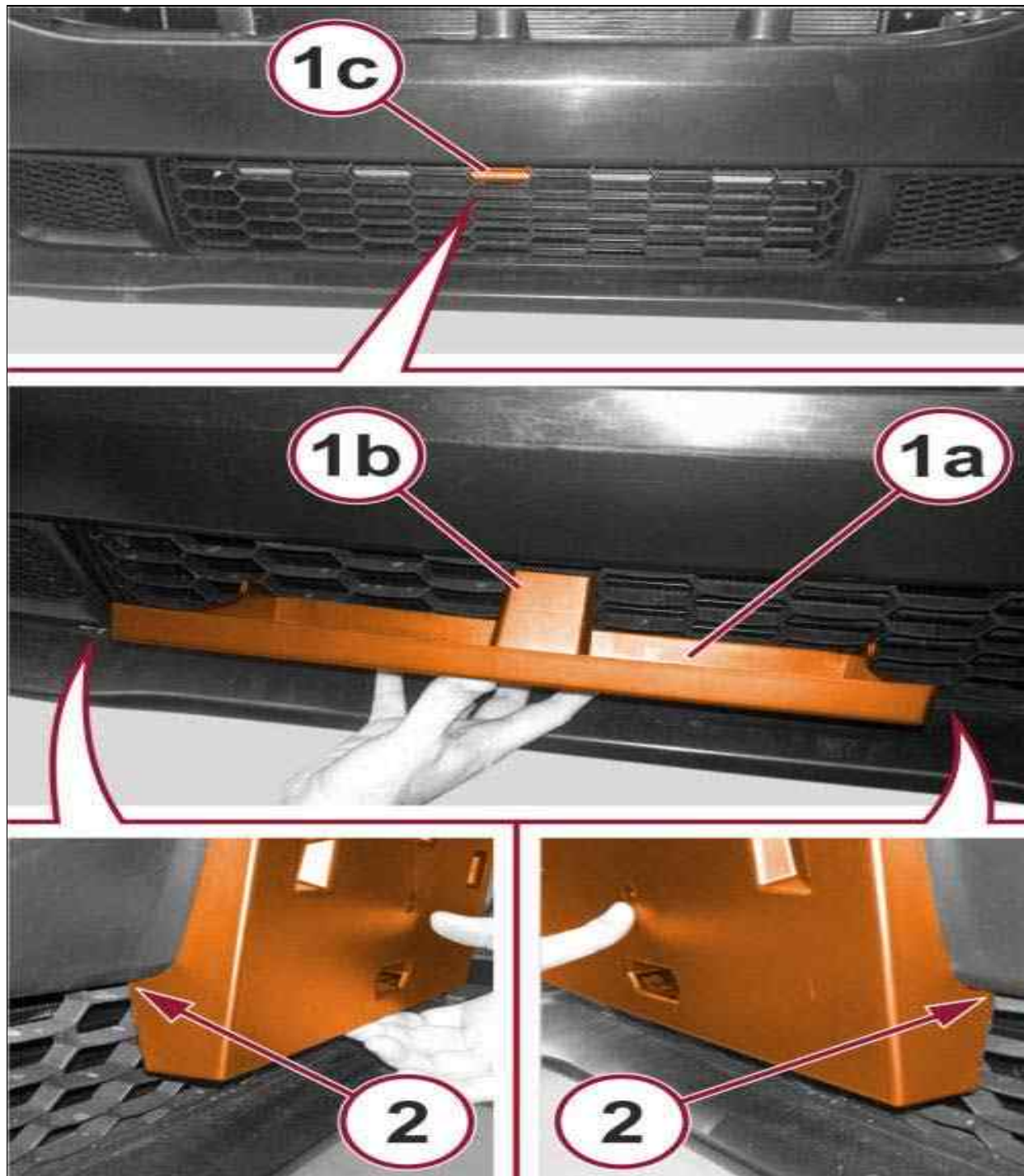
Courtesy of CHRYSLER GROUP, LLC

3. The rear number plate holder is equipped with buffers (1) with double-sided adhesive surface protected by a film. Before fitting the number plate holder, carefully clean the area of the body concerned, using denatured ethyl alcohol (or heptane).
4. Place the rear number plate holder (2a) in its housing, aligning the holes with the fastenings on the tailgate (2b), then start the fixing screws (2c) without tightening.
5. Remove the adhesive buffer protective film tabs (3a) and tighten the fixing screws (2c).

6. Install the rear license plate.

NEW VEHICLE PREPARATION INSTRUCTIONS > LICENSE PLATE INSTALLATION > FRONT, BASE - NAFTA

Fig 1: Front License Plate (Base) - NAFTA

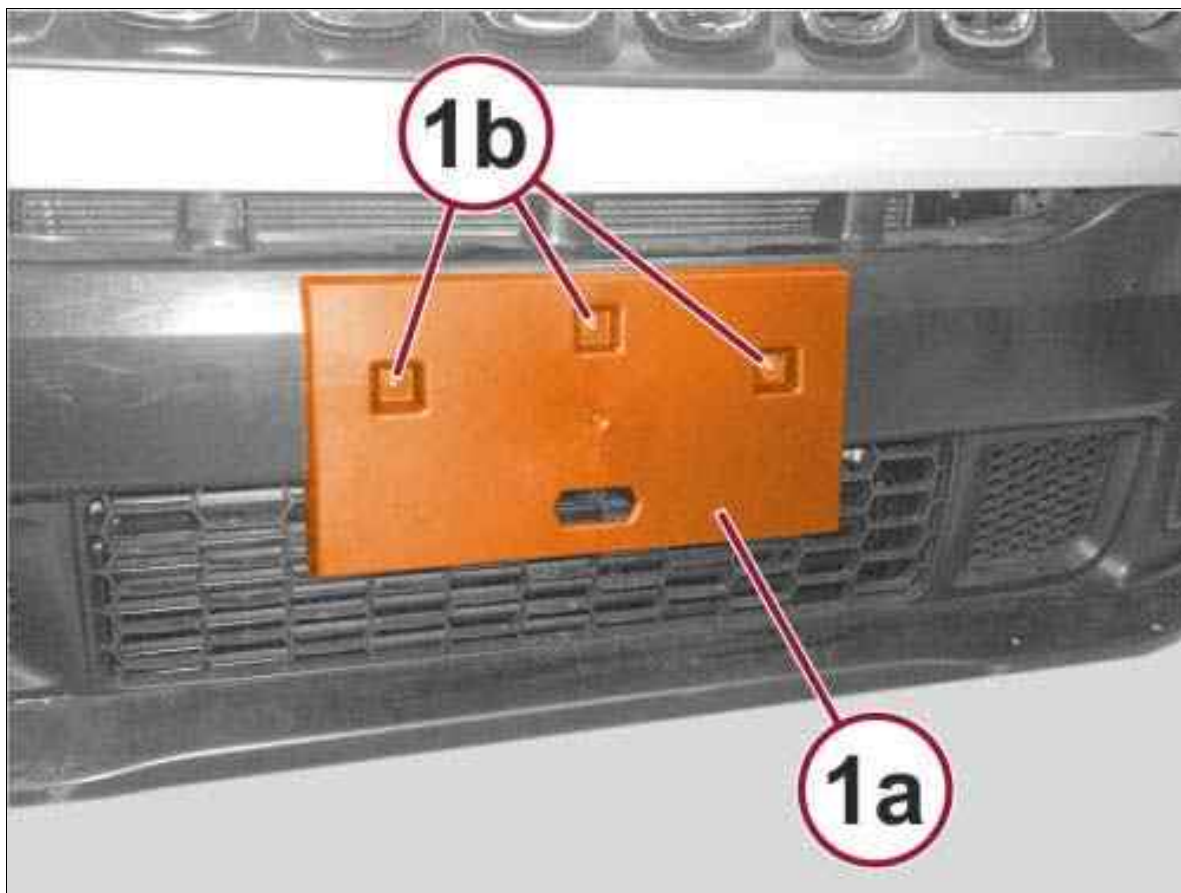


Courtesy of CHRYSLER GROUP, LLC

1. Place the plate holder (1a) with the insert centering (1b) in the bumper, centering it with the reference (1c) on the bumper.

2. Raise the number plate holder to align the side profiles.

Fig 2: Plate Holder & Mounting Screws

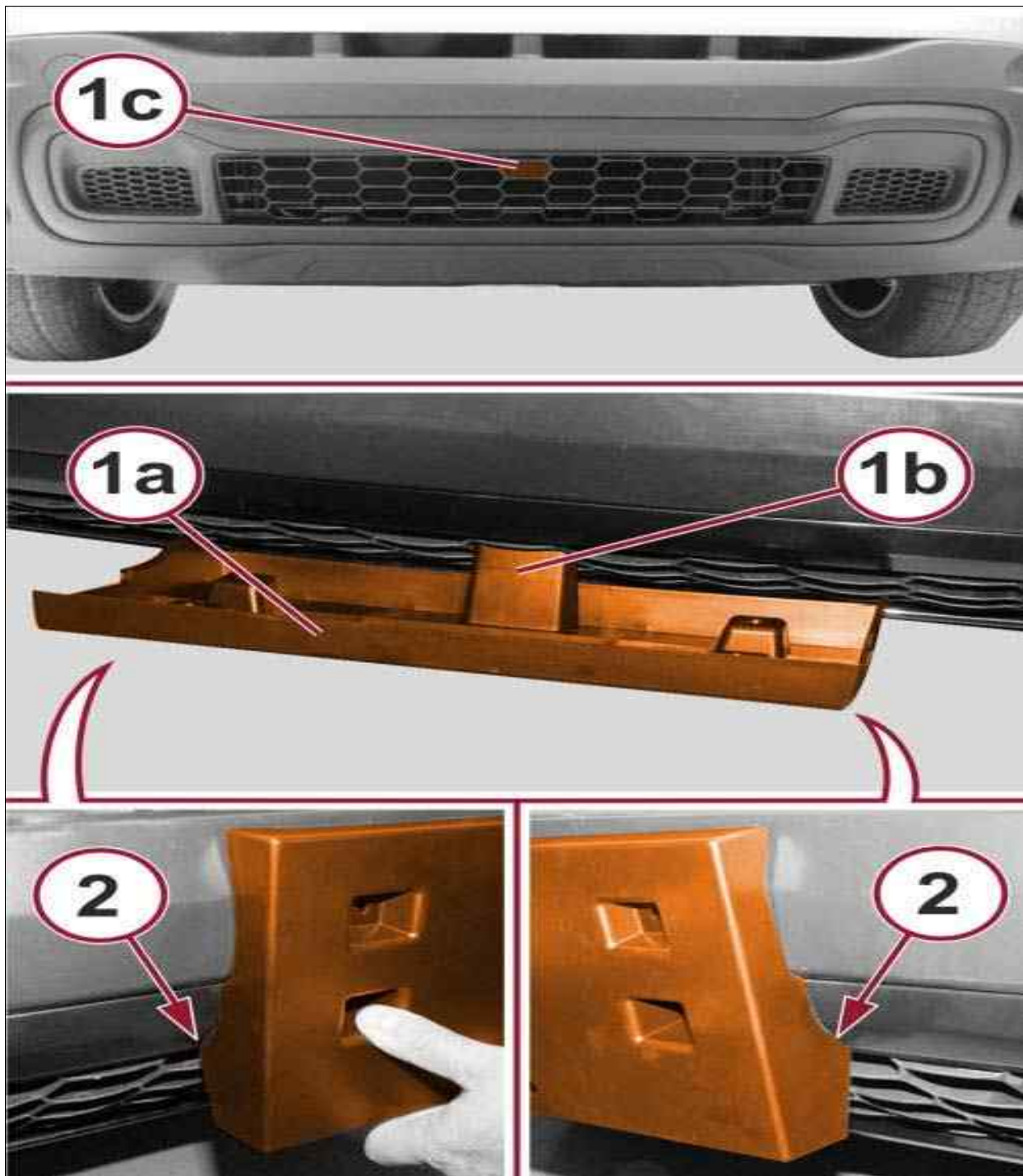


Courtesy of CHRYSLER GROUP, LLC

3. Support the plate holder (1a) and tighten the mounting screws (1b) provided.
4. Install the front license plate.

**NEW VEHICLE PREPARATION INSTRUCTIONS > LICENSE PLATE INSTALLATION >
FRONT, TRAIL HAWK - NAFTA**

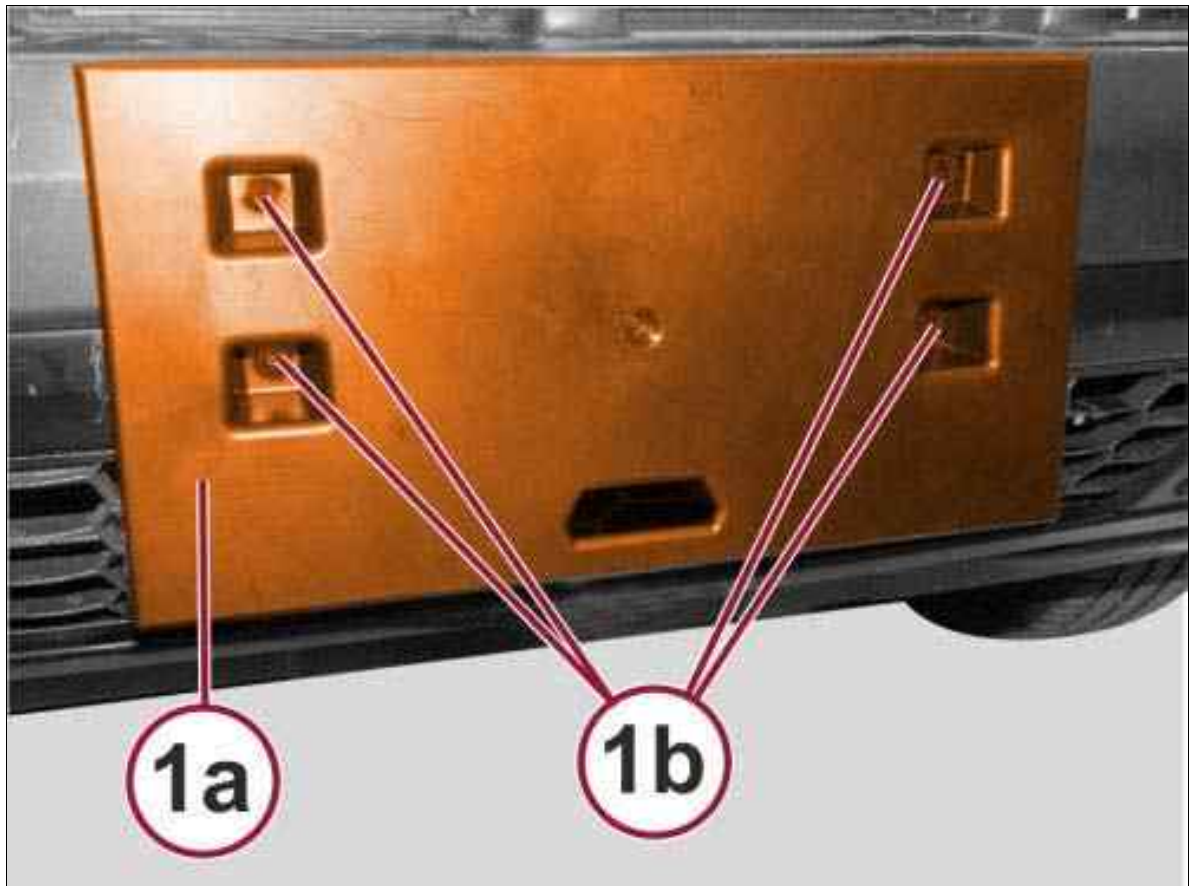
Fig 1: Front License Plate (Trail Hawk) - NAFTA



Courtesy of CHRYSLER GROUP, LLC

1. Place the plate holder (1a) with the insert centering (1b) in the bumper, centering it with the reference (1c) on the bumper.
2. Raise the number plate holder to align the side profiles.

Fig 2: Plate Holder & Mounting Screws

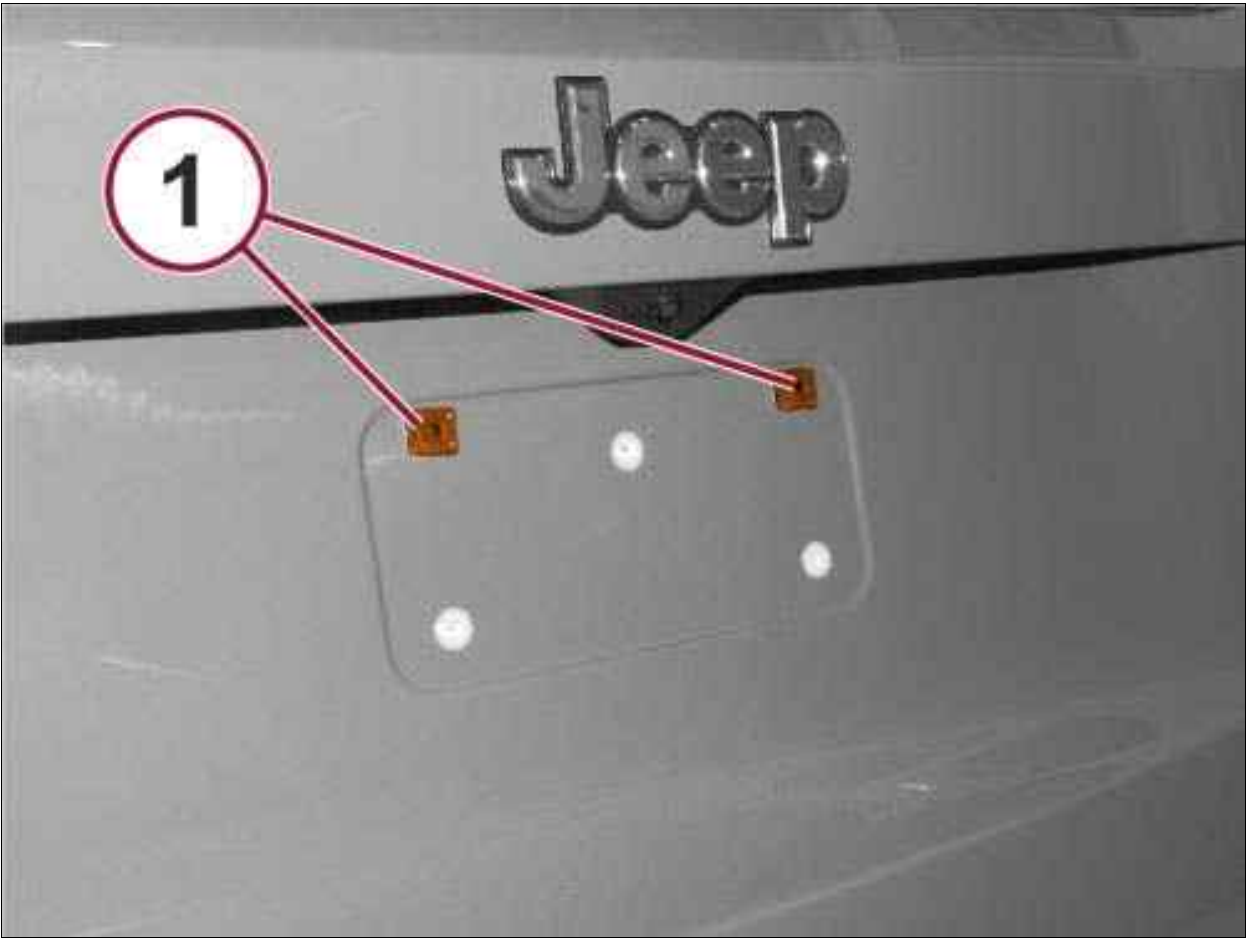


Courtesy of CHRYSLER GROUP, LLC

3. Support the plate holder (1a) and tighten the mounting screws (1b) provided.
4. Install the front license plate.

**NEW VEHICLE PREPARATION INSTRUCTIONS > LICENSE PLATE INSTALLATION >
REAR, NAFTA**

Fig 1: Mounting Point Plugs



Courtesy of CHRYSLER GROUP, LLC

1. Mount the back plate using the plugs (1) as mounting points for the screws.

TOWING > SPECIFICATIONS > DISTRIBUTION OF WEIGHT AND LOADS ON THE AXLES

	1.4 MultiAir Turbo	1.6 16V Multijet	2.0 16V Multijet 140CV	2.0 16V Multijet 170CV
Maximum weight allowed (kg)	1905	1905	2010/2080 (*)	2080
Maximum weight allowed on the front axles (kg)	1050	1050	1150	1150
Maximum weight allowed on the rear axles (kg)	900	900	1000	1000



NOTE:

Loads are not to exceed. It is the responsibility of the user to arrange the loads in the trunk and/or cargo area in accordance with maximum weights allowed.



NOTE:

() Versions with automatic transmission.*

TOWING > SPECIFICATIONS > LOAD

	1.4 MultiAir Turbo	1.6 16V Multijet	2.0 16V Multijet 140CV	2.0 16V Multijet 170CV
Payload including the driver (*)	585 kg	515 kg	580/550 kg (**)	545 kg



NOTE:

() If special equipment is present (sunroof, towing hitch etc.) the empty weight increases and consequently the payload will decrease, to still comply with the maximum permitted loads*



NOTE:

*(**) Versions with automatic transmission*

TOWING > SPECIFICATIONS > TOWING

	1.4 MultiAir Turbo	1.6 16V Multijet	2.0 16V Multijet 140CV	2.0 16V Multijet 170CV
Trailer with brakes (kg)	1000	1000	1500/1000 (*)	1500
Trailer without brakes (kg)	400	400	400	400
Cargo on the ball (trailer with brakes) (kg)	60	60	60	60
The maximum load weight on the roof (kg) (**)	70	70	70	70

**NOTE:**

Versions with automatic transmission.

**NOTE:**

*(**) Versions with roof rack.*

TOWING > SPECIFICATIONS > VEHICLE TOWING POINTS

The tow ring supplied with the car, is located in the tool box inside the trunk.

TOWING > SPECIFICATIONS > VEHICLE TOWING POINTS > FRONT

Press and release the cap at the bottom, take the tow ring B from its seat in the tool support and tighten it onto the threaded pin front.

TOWING > SPECIFICATIONS > VEHICLE WEIGHT

	1.4 MultiAir Turbo	1.6 16V Multijet	2.0 16V Multijet 140CV	2.0 16V Multijet 170CV
Empty weight (with all fluids, fuel tank filled to 90% and no optional equipment) (kg)	1320	1390	1430/1530 (*)	1535

**NOTE:**

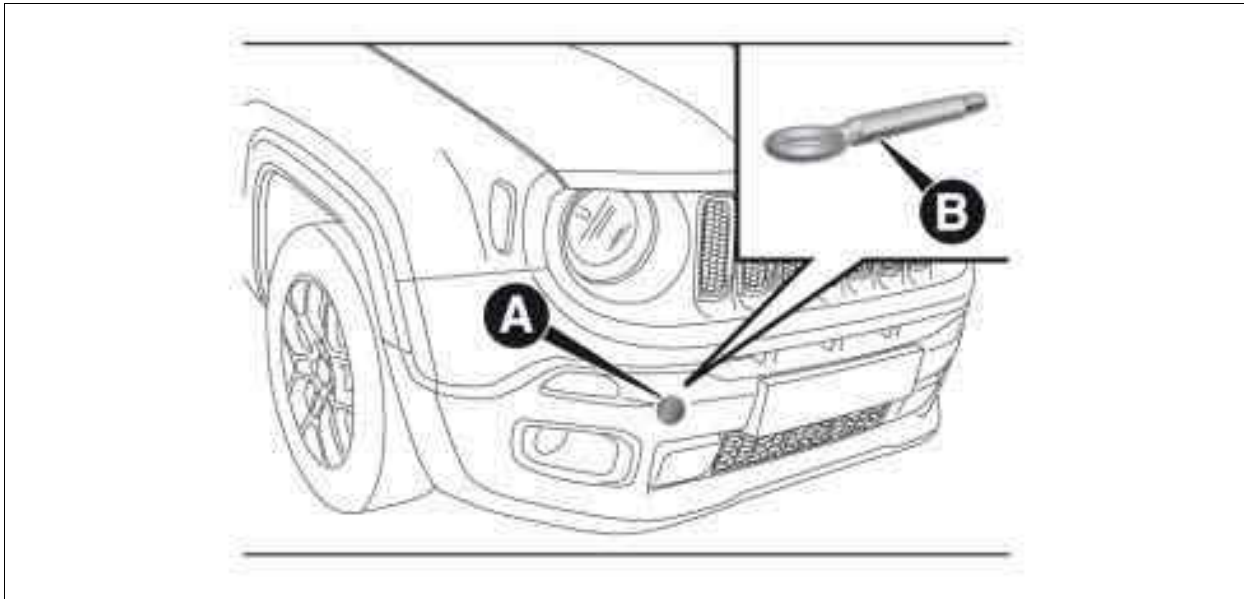
() Versions with automatic transmission*

TOWING > STANDARD PROCEDURE > STANDARD PROCEDURE - POINTS OF TOWING VEHICLE

The tow ring supplied with the car, is located in the tool box inside the trunk.

FRONT

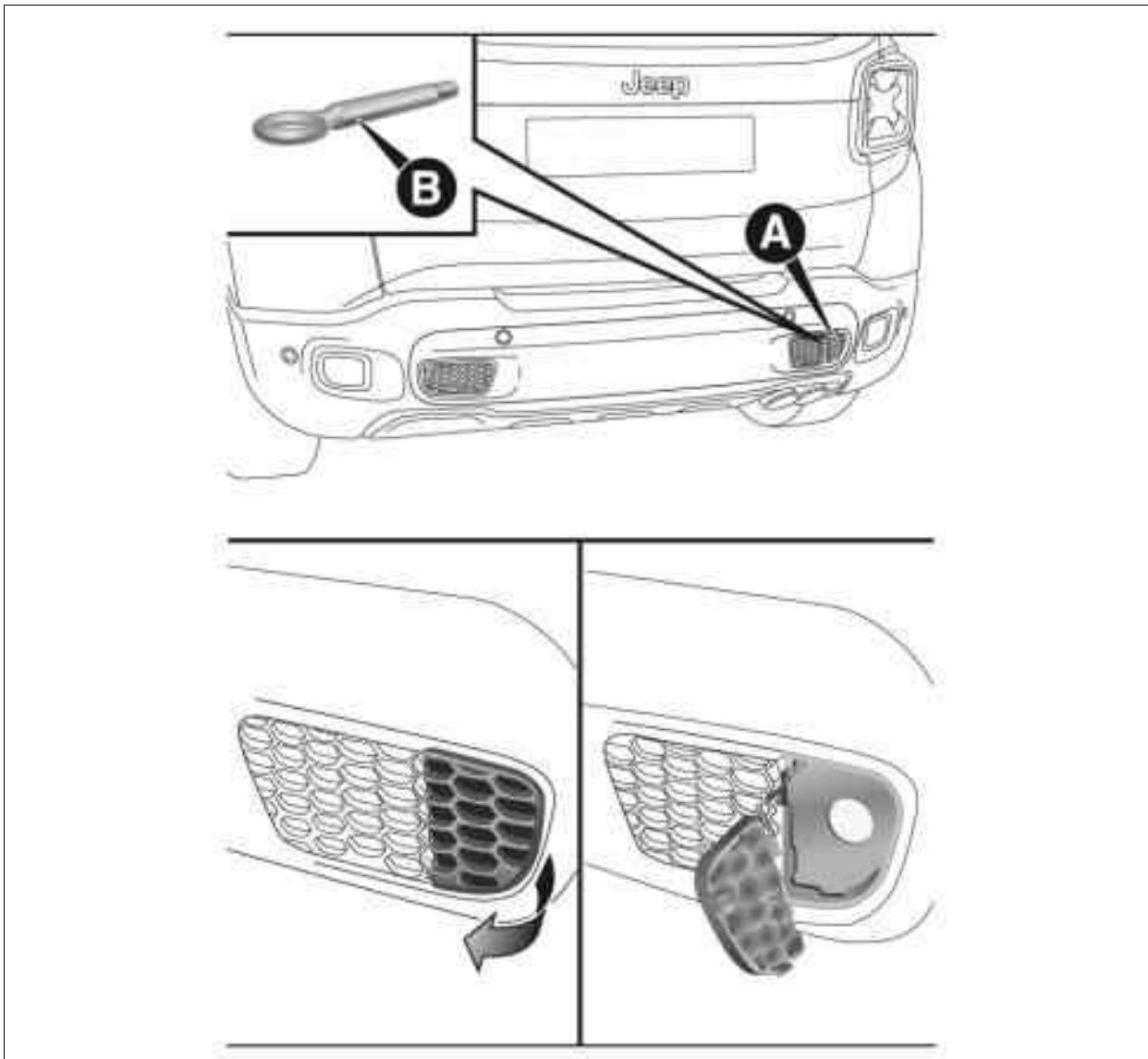
Fig 1: Tow Ring & Cap (Front)



Courtesy of CHRYSLER GROUP, LLC

- A press release the cap (A) at the bottom, take the tow ring (B) from its seat in the tool support and tighten it onto the threaded pin front.

Fig 2: Tow Ring & Cap (Rear)

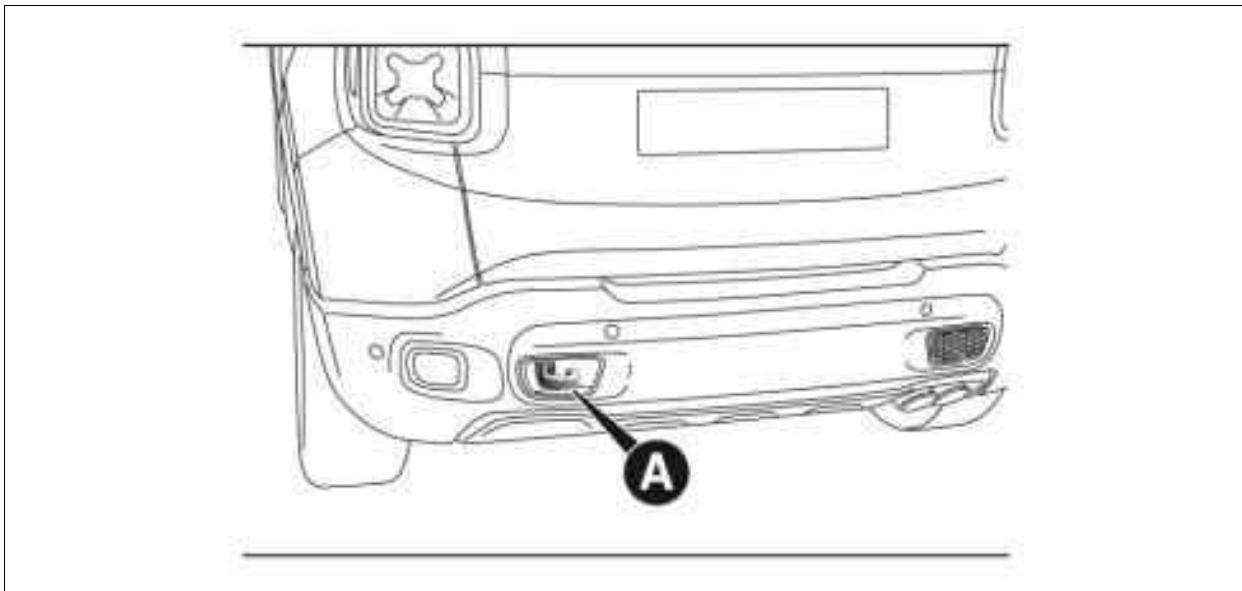


Courtesy of CHRYSLER GROUP, LLC

REAR

- Remove the cap (A), take the tow ring (B) from its seat in the tool support and tighten it onto the threaded pin back.

Fig 3: Rear Tow Hook (Fixed Type) - Trail Hawk Version



Courtesy of CHRYSLER GROUP, LLC

Trail Hawk Version

- A tow hook, fixed type, is anchored to the body of the car.

General instructions

For versions with mechanical key, before starting to tow, turn the ignition key to RUN and then to STOP, without extracting. Removing the key automatically engages the steering lock, making it impossible to steer the wheels. Also check that the transmission is placed in neutral (for versions with automatic transmission verify that the lever is in N). For versions with electronic key, move the ignition switch on RUN and then to STOP, without opening the door. When towing, remember that without the help of the brake booster and the electromechanical power steering to brake, it is necessary to exert more force on the pedal and steering is required more energetic action on the steering wheel. Do not use flexible cables for towing and avoid jerks. During towing operations make sure that fastening the joint to the car does not damage the components in contact. When towing the car you must comply with the specific traffic regulations, relating to both the towing device, both the behavior very to keep on the road. When towing the car does not start the engine. Before screwing the ring, thoroughly clean the threaded seat. Before starting to tow also make sure first screw down the ring into place. The front and rear tow hooks must only be used for rescue operations on the roadway. Highway towing is permitted for short distances through the use of special device that complies with the rules of the road (rigid bar), moving vehicle on the road in preparation for towing or transport by tow truck. The hooks **MUST NOT** be used for vehicle recovery operations outside of the road or in the presence of obstacles and / or for towing operations using cables or other non-rigid devices. Respecting the above conditions, towing must take place with two vehicles (towing and towed) aligned as much as possible on the same centerline.

TOWING > STANDARD PROCEDURE > STANDARD PROCEDURE - TOWING

CAUTION:

DO NOT use sling-type equipment when towing. When securing the vehicle to a flatbed truck,

do not attach to front or rear suspension components. Damage to your vehicle may result from improper towing.

 CAUTION:

Towing this vehicle in violation of the below requirements can cause severe transmission damage. Damage from improper towing is not covered under the New Vehicle Limited Warranty.

 NOTE:

Vehicles with a discharged battery or total electrical failure when the Electric Park Brake (EPB) is engaged, will need a wheel dolly or jack to raise the rear wheels off the ground when moving the vehicle onto a flatbed.

 NOTE:

This service information describes procedures for towing a disabled vehicle using a commercial wrecker service.

		FWD MODELS		FOUR WHEEL DRIVE
Towing Condition	Wheels OFF the Ground	AUTOMATIC TRANSMISSION	MANUAL TRANSMISSION	AUTOMATIC/MANUAL TRANSMISSION 4X4
Flat Tow	NONE	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED
Wheel Lift or Dolly Tow	Rear	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED
	Front	OK	OK	NOT ALLOWED
Flatbed	ALL	BEST METHOD	BEST METHOD	OK

Towing A Disabled Vehicle

- Proper towing or lifting equipment is required to prevent damage to your vehicle. Use only tow bars and other equipment designed for this purpose, following equipment manufacturer's instructions. Use of safety chains is mandatory. Attach a tow bar or other towing device to main structural members of the vehicle, not to bumpers or associated brackets. State and local laws regarding vehicles under tow must be observed.
- If you must use the accessories (wipers, defroster, etc.) while being towed, the key must be in the ON/RUN position.

Front Wheel Drive (FWD)

The manufacturer recommends towing your vehicle with all four wheels OFF the ground on a flatbed. If

flatbed equipment is not available, this vehicle must be towed with the front wheels OFF the ground (using a towing dolly, or wheel lift equipment with the front wheels raised).

Four-Wheel Drive (4WD)

The manufacturer requires towing with all four wheels OFF the ground. Acceptable methods are to tow the vehicle on a flatbed, or with one end of the vehicle raised and the opposite end on a towing dolly.