

TRANSAXLE

Description	Type	Capacities		Part Number	Global Part Number
		U.S.	Metric		
Alfa Twin Clutch Transmission	Gearbox: Full synthetic 75W-85 manual transmission fluid meeting MS.90030-M2 and the API GL4 specification.	2.0 Quarts	1.88 Liters	68092630AA	68092630GA
	Control System: Use only MOPAR C Series DDCT SAE 75W Hydraulic Fluid or equivalent. Failure to use the correct fluid may affect the function or performance of your transmission.	1.5 Quarts	1.45 Liters	68092638AB	68092638GA

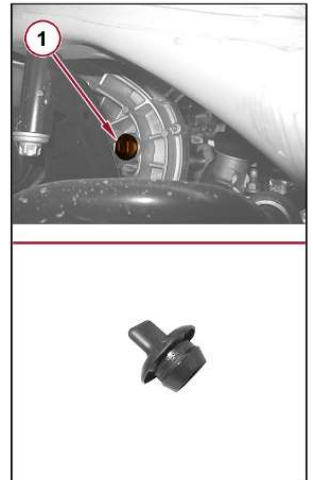
21 - Transmission and Transfer Case / Automatic - C633/C635 DDCT / FLUID / Standard Procedure

DRAINING AND FILLING

NOTE: Changing the manual gearbox oil is not a scheduled maintenance operation and is only carried out during overhaul operations involving removing/refitting of internal components. Therefore, in all other removing/refitting operations, the manual gearbox oil must be reused.

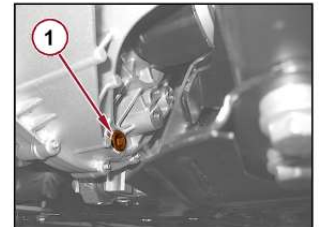
NOTE: The collection of manual gearbox oil and its storage before use must be made in a clean container, with a protection cover. Possible foreign bodies in the container or in the storage area can compromise the reuse of the manual gearbox oil.

1. Raise and support the vehicle ([Refer to 04 - Vehicle Quick Reference/Hoisting/Standard Procedure](#)).
2. Remove the belly pan ([Refer to 13 - Frame and Bumpers/Under Body Protection/BELLY PAN/Removal and Installation](#)).
3. Remove the gearbox casing filler plug (1).



NOTE: Do not let the fluid disperse into the environment as uncontrolled dispersion of this product causes pollution.

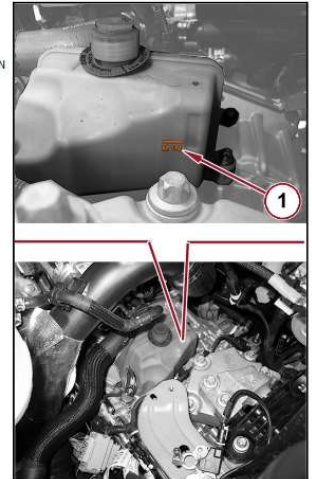
4. Unscrew the gearbox oil drain plug (1) and drain the oil into a suitable container.
5. Clean and install the drain plug (1), tighten it to the proper ([Torque Specifications](#)).
6. Fill the transmission to the bottom of the fill plug opening with the specified fluid ([Refer to 04 - Vehicle Quick Reference/Capacities and Recommended Fluids/Specifications](#)).
7. Clean the filler plug and install.
8. Install the belly pan ([Refer to 13 - Frame and Bumpers/Under Body Protection/BELLY PAN/Removal and Installation](#)).
9. Remove the support and lower the vehicle.



HYDRAULIC FLUID LEVEL CHECK AND FILLING

NOTE: The dual clutch transmission control hydraulic circuit oil level should be checked with the vehicle on a flat surface, the engine switched off and cold.

1. Remove the engine cover ([Refer to 09 - Engine/COVER, Engine/Removal and Installation](#)).
2. Using the scan tool, depressurize the dual clutch transmission hydraulic circuit using the Accumulator Depressurization procedure.
3. Check that the level is at or above the MIN reference mark on the reservoir.
4. If the level is below the MIN mark, remove the cap and add the recommended fluid ([Refer to 04 - Vehicle Quick Reference/Capacities and Recommended Fluids/Specifications](#)) until it is midway between the MIN and the MAX mark.

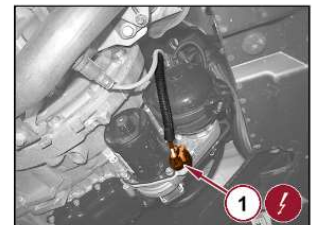


NOTE: The dual clutch transmission oil consumption is very limited. If the level is below the MIN mark, make sure that there are no leaks from the entire circuit.

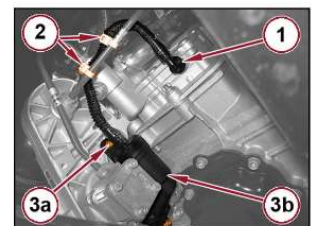
HYDRAULIC SYSTEM FILTER

REMOVAL

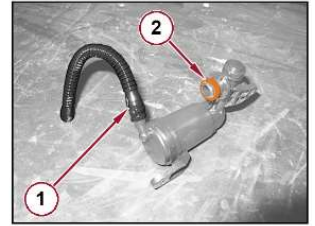
1. Position the vehicle on the lift.
2. Connect the diagnostic scan tool and perform the "accumulator depressurization" procedure.
NOTE: After replacing/refitting the filter, connect the diagnostic scan tool and bleed the clutch.
3. Disconnect and isolate the negative battery cable. If equipped with an Intelligent Battery Sensor (IBS), disconnect the IBS connector first before disconnecting the negative battery cable.
4. Remove the belly pan ([Refer to 13 - Frame and Bumpers/Under Body Protection/BELLY PAN/Removal and Installation](#)).
5. Disconnect the electric pump wire harness connector (1).



6. Disconnect the hose from solenoid valve unit to filter, solenoid valve unit side (1).
7. Using a suitable tool, remove the hose retaining tie straps (2).
8. Undo the screws (3a) and remove the filter (3b) complete with hose.



9. Disconnect the hose (1) from the filter.
10. Remove the O-ring (2) from the filter connector.



INSTALLATION

1. Install a **NEW** hose on the filter.
2. Position the filter with the **NEW** O-ring in place and tighten the screws to the proper [\(Torque Specifications\)](#).
3. Connect the hose from the filter to the solenoid valve. Install new tie straps.
4. Fill the fluid the reservoir with specified fluid ([Refer to D4 - Vehicle Quick Reference/Capacities and Recommended Fluids/Specifications](#)).
5. Connect the electric pump wire harness connector.
6. Install the belly pan ([Refer to 13 - Frame and Bumpers/Under Body Protection/BELLY PAN/Removal and Installation](#)).
7. Connect the negative battery cable. If equipped with an Intelligent Battery Sensor (IBS), connect the IBS connector to the negative battery cable.
8. After replacing/refitting the filter, connect the diagnostic scan tool and bleed the clutch.
9. Remove the car from the lift.