

GROUP 12

CLUTCH

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GENERAL INDICATIONS 12-6

For all parts not given here, refer to the corresponding Group in publication No. PA4655C1000000.

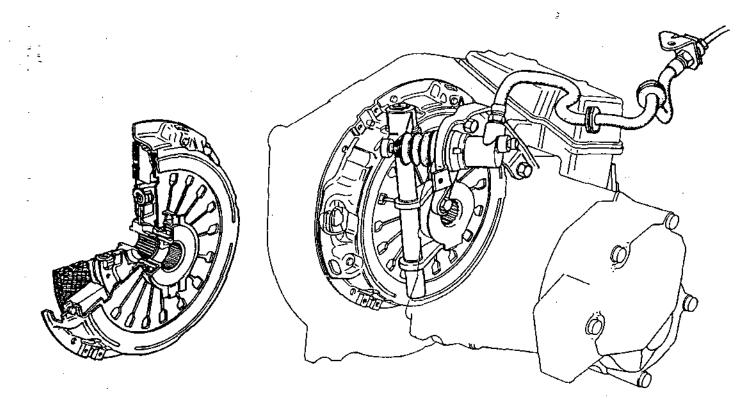


CLUTCH

"pulled" action.

DESCRIPTION

The clutch adopted for the four-wheel drive version in the 155 range is of the single dry disc type with hydraulic



The hydraulically controlled single dry disc of the traditional type is fitted to reduce the effort required to depress the clutch pedal and is off the traction disengagement type. When the pedal is depressed the clutch is pulled by a thrust bearing of the hoooked type rather than pushed as in the traditional system. This type countries have been adopted because, having to transmit; high torque, the overall dimensions of the cluch would need to be increased in order to avoid variations in the action of the pedal.



LUTCH PEDAL

EMOVAL AND REFITTING

Disconnect the wiring from the ABS system wiring located on the clutch pedal.

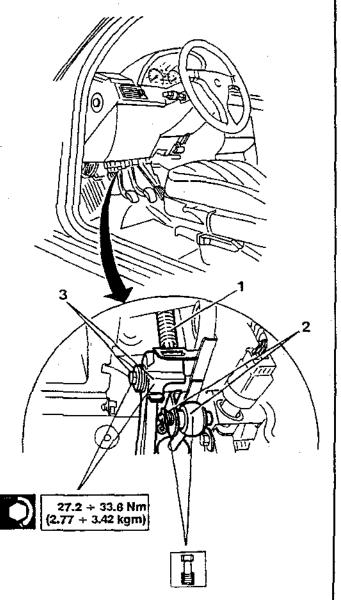
- Disconnect the clutch pedal return spring.
- . Remove the cotter pin and withdraw the pin connecting the pump to the clutch pedal.
- Loosen and remove the through screw on the clutch pedal together with the washers and spacers and then disconnect the clutch pedal.



Refit, by reversing the procedure followed for removal and tightening the through screw on the clutch pedal to the correct torque.



When refitting, grease the components securing the clutch pedal using the specified grease.



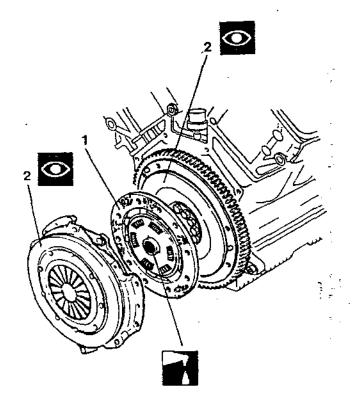
CHECKS AND INSPECTIONS

 Check the clutch plate for even wear of the gaskets and their minimum thickness.

Check for signs of burning or vitrification and the correct installation and integrity of the springs of the flexible coupling.

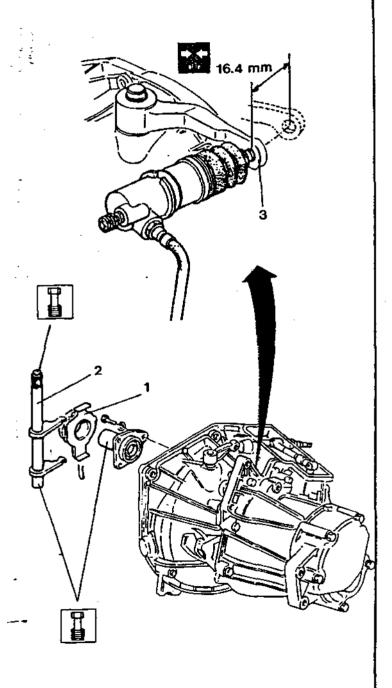
Check the clutch plate hub for damage, freedom of movement and limited play on the power take-off shaft coupling.

 Check the working surfaces of the flywheel and disc pressure plate for signs of overheating, irregular wear, nicks or parts missing. If necessary replace the disc pressure plate and/or grind the engine flywheel (See: REPAIR MANUAL - ENGINES - GR. 01).





- Check the thrust bearing for noise, excessive play and freedom of movement in the sheath.
- Check the fork for cracks, deformation, freedom of movement and excessive wear of the working surfaces.
- Check that the disengagement stroke of the clutch control lever is 16.4 mm; if the stroke is below this figure, check the efficiency of the hydraulic circuit.





TECHNICAL CHARACTERISTICS AND SPECIFICATIONS

SENERAL INDICATIONS

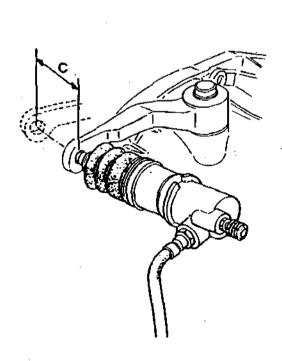
LUIDS AND LUBRICANTS

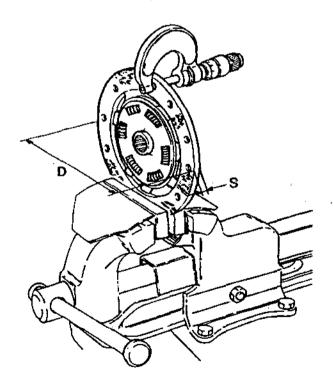
APPLICATION	TYPE	NAME
Thrust bearing seat and clutch control lever shaft rod	GREASE	TUTELA MR3
Clutch control cylinder pushrod		
Lubrication of pump inner components and hydraulic system filling	FLUID Class: DOT 4 SAE J170 3F	ALFA ROMEO BRAKE FLUID SUPER DOT 4

CHECKS AND ADJUSTMENTS

CLUTCH CONTROL LEVER

CLUTCH DISK





 Clutch disk thickness S = 7.1 + 7.7 mm Clutch disk diameter D = 229 mm

PA4736C14x4000



TIGHTENING TORQUES

Description	N-m	kg·m 1.82 - 2.25	
Cylindrical screw with hexagon for fixing clutch mechanism	17.85 - 22.05		
Union for connection of pipe to hose - pump and cylinder sides	17.1 - 18.9	1.74 - 1.92	
Hexagonal-head screw for securing intermediate anchoring bracket on dutch control hose	11.9 - 14.7	1.21 - 1.49	
Hexagonal-head screw securing clutch control cylinder bracket to gearbox	11.9 - 14.7	1.21 - 1.49	

SPECIAL TOOLS

TOO	L NUMBER	DESCRIPTION	
1.82	20.126.000	Clutch disk centering spindle	
1.82	21.215.000	Thrust bearing puller (only for clutch version with tie-rods)	_

12 - 1991