

Clutch Actuating Mechanism

Job No.

29-1

A. 1st Version

Model 180

The clutch is actuated by the clutch pedal (1) via the clutch pedal shaft (2). The clutch linkage (4) is attached to the clutch pedal shaft which is not supported on the transmission (Fig. 29-1/1). The clutch pedal is mounted on a tube on the chassis base panel. Axial support of the engine is provided by the stay rod (5) which is attached to the clutch housing and to a tube on the chassis base panel (Fig. 29-1/2).

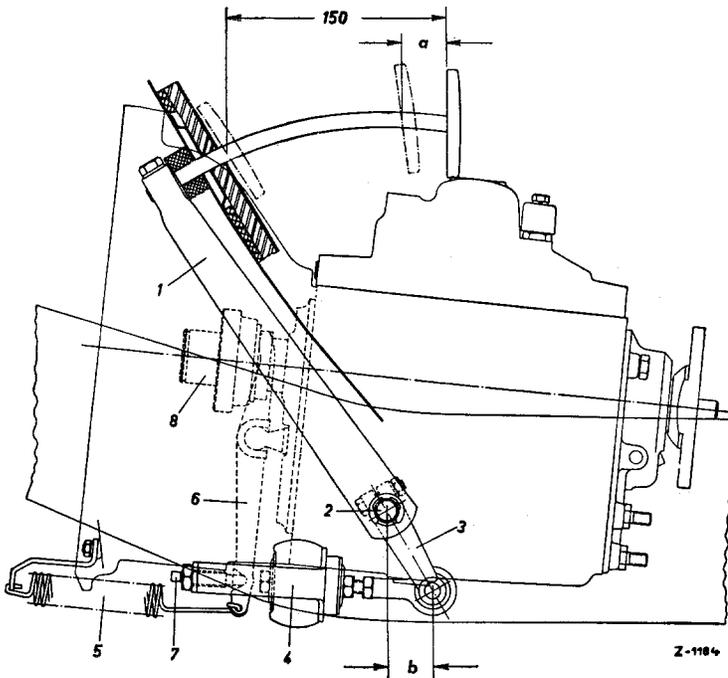


Fig. 29-1/1

- 1 Clutch pedal
- 2 Clutch pedal shaft
- 3 Relay lever
- 4 Clutch linkage
- 5 Tension spring
- 6 Clutch throw-out fork
- 7 Adjustment screw
- 8 Throw-out bearing
- a = Clutch pedal free play
- b = Adjusting dimension for relay lever

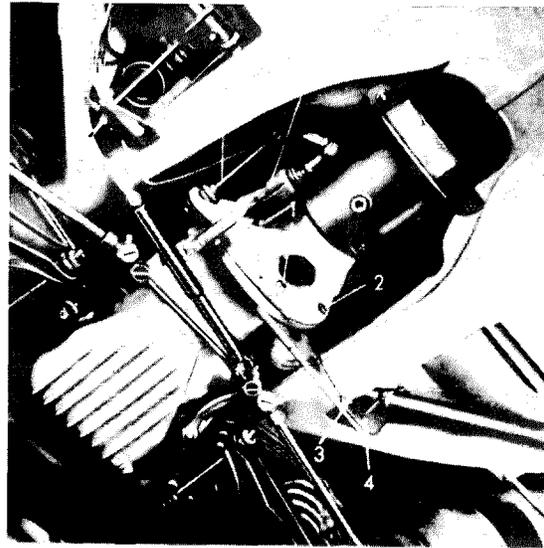


Fig. 29-1/2

- 1 Hexagon screw
- 2 Hexagon screw
- 3 Hexagon nut
- 4 Hexagon nut
- 5 Clutch linkage
- 6 Engine stay rod

B. 2nd Version

Models 180, 180 D, 190 SL, and 220 a

As in the case of the 1st version the clutch is actuated via a shaft by the clutch pedal. The clutch pedal (11) is mounted on a tube on the chassis base panel. The left side of the clutch pedal shaft (1) is attached to the clutch pedal by means of a jointing disk (9). On the right side the clutch

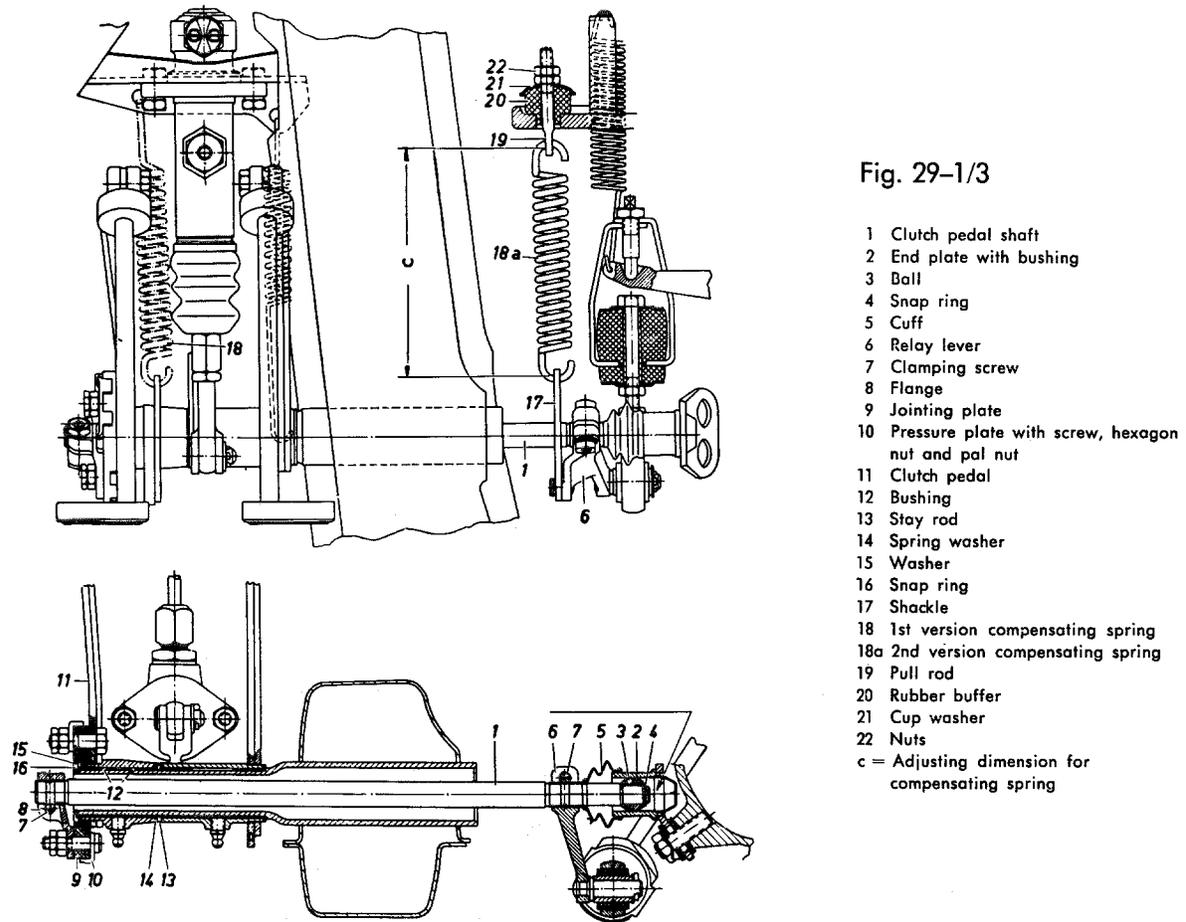


Fig. 29-1/3

- 1 Clutch pedal shaft
- 2 End plate with bushing
- 3 Ball
- 4 Snap ring
- 5 Cuff
- 6 Relay lever
- 7 Clamping screw
- 8 Flange
- 9 Jointing plate
- 10 Pressure plate with screw, hexagon nut and pal nut
- 11 Clutch pedal
- 12 Bushing
- 13 Stay rod
- 14 Spring washer
- 15 Washer
- 16 Snap ring
- 17 Shackle
- 18 1st version compensating spring
- 18a 2nd version compensating spring
- 19 Pull rod
- 20 Rubber buffer
- 21 Cup washer
- 22 Nuts
- c = Adjusting dimension for compensating spring

pedal shaft is carried in a ball (3) in an end plate (2) attached to the transmission. The compensating spring (18) (dead center spring) which reduces the clutch pedal pressure on declutching is arranged on the right side of the clutch pedal in this version (Fig. 29-1/3).

C. 3rd Version

Models 180, 180 D, 220 a, and 190 SL

The clutch pedal shaft is mounted in the same way as the 2nd version, except that the compensating spring (18 a) is attached on the right side to the relay lever and the clutch housing (Fig. 29-1/3).

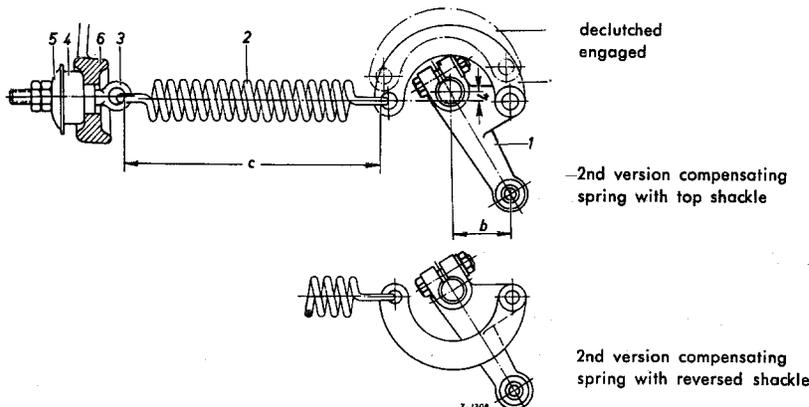


Fig. 29-1/4

- 1 Relay lever with shackle
- 2 Compensating spring
- 3 Pull rod
- 4 Rubber buffer
- 5 Cup washer
- 6 Clutch housing
- b = Adjusting dimension for relay lever
- c = Adjusting dimension for compensating spring