

Adjustment of Gear Shift Mechanism

On the various models the differences in the adjustment procedures for the gear shift mechanism are as follows:

A. Reversing Light Switch in the Bearing Assembly of the Steering Wheel Shift System

When adjusting the steering wheel shift system on Models 180, 180 D, and 220 a please note that in the case of the 1st version the reverse gear stop is located in the transmission case top cover but the reversing light switch is screwed into the bearing assembly of the steering wheel shift system. The action of the two stops, i. e. the stop for the reverse gear and the stop for actuating the switch must be coordinated. To adjust the steering wheel shift system push the selector lever (2) beyond the reverse gear stop. An assistant should then pull up the shift lever on the steering wheel as far as the stop and should then release it until there is a distance of approx. 1 mm between the lever (3) and the rubber mounting in the bearing assembly. When this position has been obtained tighten the clamping screw on the selector lever (see Fig. 26-12/1).

B. Reversing Light Switch in Transmission Case Top Cover

On Models 180, 180 a, 180 b, 180 D, 180 Db, 190 D, 190 Db, 219, 220 a, 220 S, and 220 SE the gear shift mechanism is adjusted in the same way as on Model 190.

If there should be any difficulty in adjusting the shift mechanism especially in cases where the transmission has been removed, check the position of the shift lever on the transmission case cover. In the neutral position of the shift lever the following distance should obtain between the center in the bore of the shift lever on the transmission case cover and the front separating surface of the transmission case.

Model	Distance
180, 180 D, 219, 220 a, 220 S, 220 SE	58.0±5 mm
180 a, 190 D	70.0±5 mm
219, 220 S, 220 SE with hydraulic automatic clutch	83.0±5 mm

If the distance has to be modified, change the position of the lever on the splines of the shifting shaft accordingly.

C. Floor-Mounted Gear Shift Lever on Model 190 SL

On Model 190 SL the gear shift mechanism has to be adjusted if the shift tube touches the cover plate when the gears are engaged, since this may cause the gears to slip out (for adjustment procedure see Job No. 26-1, Section E).