

## Removal and Installation of Sub-Frame or Front Axle Support

Job No.

33-1

On Models 180 to 220 SE the removal and installation of sub-frame with front axle halves, springs and shock absorbers, front wheels, torsion bar, steering assembly, steering relay arm, steering shock absorber, center and outer tie-rods is essentially the same as described for Model 190.

On Models 180, 180 a, 180 b, 180 D, 180 Db, 190 D, 190 Db, 220 a, 219, and 190 SL 1<sup>st</sup> version with three-point engine suspension the following procedures are not required: removal and installation of the rear rubber engine mountings on the side members of the sub-frame, and supporting the transmission for the purpose of removing the sub-frame. On Models 180, 180 a, 180 b, 180 D, 180 Db, 190 D, 190 Db, and 190 SL 1<sup>st</sup> version in addition to the procedures described for Model 190 the steering shock absorber must be removed and installed on the chassis base panel.

When installing the sub-frame, make sure that the rubber buffers for the sub-frame are properly seated. Rub the rubber buffers with talc before installing them.

The degree of hardness of the rubber buffers differs on the various models; they can be distinguished by their part number and their color code (see Table below):

Model	Part No.	Color code	Shore hardness	Remarks
Top rubber buffers				
180 180 a, 180 b 180 D, 180 Db 190, 190 b 190 D, 190 Db 220 a 219 220 S 220 SE	rear 180 333 01 65 front 180 333 02 65	red	45	In the case of Models 220 a, 219, 220 S, and 220 SE only for sedan without sliding roof, convertible and coupé
190 SL 220 a 219 220 S 220 SE	rear 180 333 04 65 front 180 333 03 65	white	70	In the case of Models 220 a, 219, 220 S, and 220 SE only for sedan with sliding roof
Bottom rubber buffers				
180 180 a, 180 b 180 D, 180 Db 190, 190 b 190 D, 190 Db 219 220 a 220 S 220 SE	120 333 19 65	red	57±4	In the case of Models 220 a, 219, 220 S, and 220 SE only for sedan without sliding roof, convertible and coupé
190 SL 219 220 a 220 S 220 SE	180 333 05 65	white	70	In the case of Models 220 a, 219, 220 S, and 220 SE only for sedan with sliding roof