

Dowel Pin Crankcase – Partition Plate – Clutch Housing

Diameter of bore in			Part No.	Dimension		
Crankcase	Partition plate	Clutch housing		b	a	c
8	8	8	186 991 07 01	—	—	26
8	8	12	180 991 01 62	14	16	30
8	12	12	1)	11	19	30
12	8	8	180 991 03 62	19	11	30
12	12	8	180 991 02 02	13	17	30
12	12	12	180 991 00 60	—	—	34

1) If a partition plate and a clutch housing with 12 mm dowel pin bores is installed, a dowel pin must be made as shown in Fig. 01-4/64. Dowel Pin 180 991 02 62 can be used in an emergency.

Dowel Pin Crankcase – Partition Plate

Diameter of bore in		Part No.	Dimension		
Crankcase	Partition plate		a	b	c
8	8	186 991 08 01	—	—	16
8	12	180 991 04 62	11	11	22
12	8	180 991 04 62	11	11	22
12	12	180 991 01 60	—	—	20

R. Removal and Installation of Front Grease Seal for Crankshaft with Engine Installed in Vehicle

On Models 180 a, 180 b, 190 SL, 220 a, 219, 220 S, and 220 SE the removal and installation procedures for the front grease seal for the crankshaft are the same as described for Model 190. If the grease seal is being replaced, always check the spacer ring, or in older engines of Models 190 and 190 SL the hub of the counterweight to see whether the sealing surface for the grease seal is badly worn (see Figs. 01-4/59 and 01-4/60). If the sealing surface is badly worn the parts must be replaced.

S. Removal and Installation of Flywheel

Repair procedures see Job No. 03-5, Sections E to H.

On Models 180 a, 180 b, 190 SL, 220 a, 219, 220 S, and 220 SE the removal and installation procedures for the flywheel are the same as described for Model 190. The following points deserve attention:

On Models 190 SL, 219, and 220 S a spacer sleeve was installed on some cars between crankshaft and annular grooved bearing. On the present crankshafts the bore is not so deep and consequently the spacer sleeve is no longer necessary.

On Model 190 SL a flywheel with a larger attaching flange was installed as from Engine End No. 65 00795. The bolt hole circle was increased from 56 ± 0.2 mm to 78 ± 0.1 mm.