



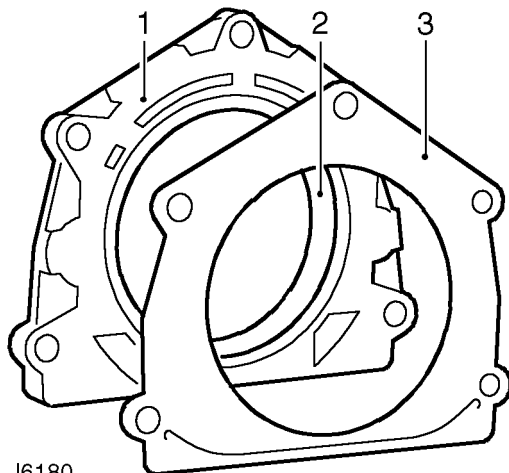
## CRANKSHAFT REAR OIL SEAL

Service repair no - 12.21.20

### Remove

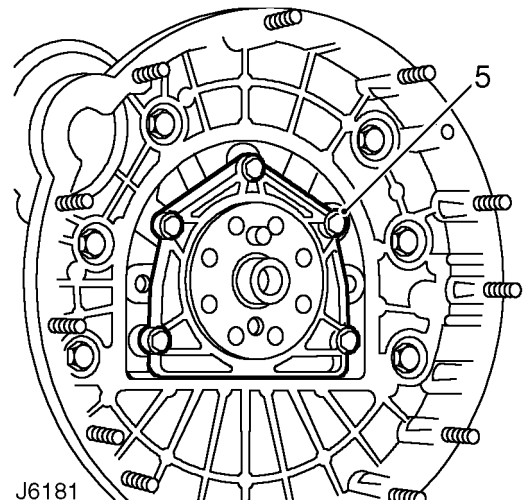
 **NOTE:** The crankshaft rear oil seal is retained in its own housing, if the seal requires replacing, the complete housing assembly (1) must be renewed. Housing and seal assemblies are supplied with their own former/seal guide (2) already fitted. This former must not be removed before fitting the assembly to the engine. If a seal and housing assembly is received without a former/guide fitted it must be returned to the supplier. Used formers/guides must be discarded immediately after use, under no circumstances should they be reused on other assemblies.

 **NOTE:** A different rear oil seal housing, with integral 'O' ring seal and gasket, was fitted on earlier engines. They must be replaced with the current housing and gasket (3) shown below.



J6180

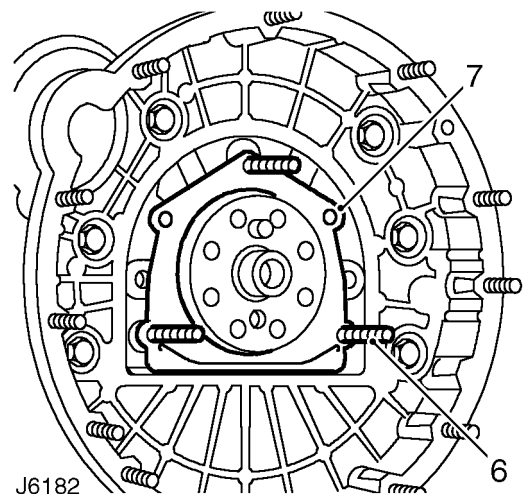
1. Disconnect battery.
2. Remove gearbox. **See MANUAL GEARBOX, Repair, R380 gearbox**
3. Remove clutch. **See CLUTCH, Repair, Clutch assembly**
4. Remove flywheel. **See Flywheel**
5. Remove 5 bolts and withdraw seal housing, complete with gasket.



J6181

### Refit

 **NOTE:** The raised side of groove at the bottom of seal housing gasket must be fitted to cylinder block face.



J6182

6. Insert slave studs to locate seal housing gasket.
7. Position new gasket over slave studs and crankshaft flange onto cylinder block.
8. Fit new seal housing assembly, with former/guide in-situ, over crankshaft flange. This action will eject former/guide.
9. Secure assembly to cylinder block, removing slave studs individually and inserting bolts. Tighten to **25 Nm (18 lbf/ft)**.
10. Refit flywheel. **See Flywheel**