

DIFFERENTIAL OUTPUT SEAL : REMOVAL - REFITTING

Special tooling required

Tool for fitting differential output seals

Bvi. 1960

Equipment required

roll pin punch



parts always to be replaced:



Differential output seal

Locations and specifications (tightening torques, parts to always be replaced etc.) [Driveshaft assembly: Exploded view](#) and (see [Electric traction motor-reduction gearing assembly: Exploded view](#)) .

REMOVAL

1. REMOVAL PREPARATION OPERATION

- ☐ Position the vehicle on a two-post lift [Vehicle: Towing and lifting](#) .
- ☐ Remove the engine undertay.
- ☐ Drain the electric traction reduction gearing .

1- WHEN REPLACING THE DIFFERENTIAL OUTPUT SEAL ON THE LEFT-HAND SIDE

- ☐ Remove:
 - the front left-hand wheel [Front hub carrier assembly: Exploded view](#) ,
 - the front left-hand driveshaft [Driveshaft assembly: Exploded view](#) .

2- WHEN REPLACING THE DIFFERENTIAL OUTPUT SEAL ON THE RIGHT-HAND SIDE

- ☐ Remove:
 - the front right-hand wheel [Front hub carrier assembly: Exploded view](#) ,
 - the front right-hand wheel driveshaft [Driveshaft assembly: Exploded view](#) .

2. REMOVAL OPERATION

- Tap the base of the differential output seal using a roll pin punch and a small hammer to detach it and rotate it in its housing.
- Remove the seal with a screwdriver, taking care not to damage the differential housing ([see 23C, Reduction gear, Electric traction reduction gearing assembly: Exploded view](#)) .

REFITTING

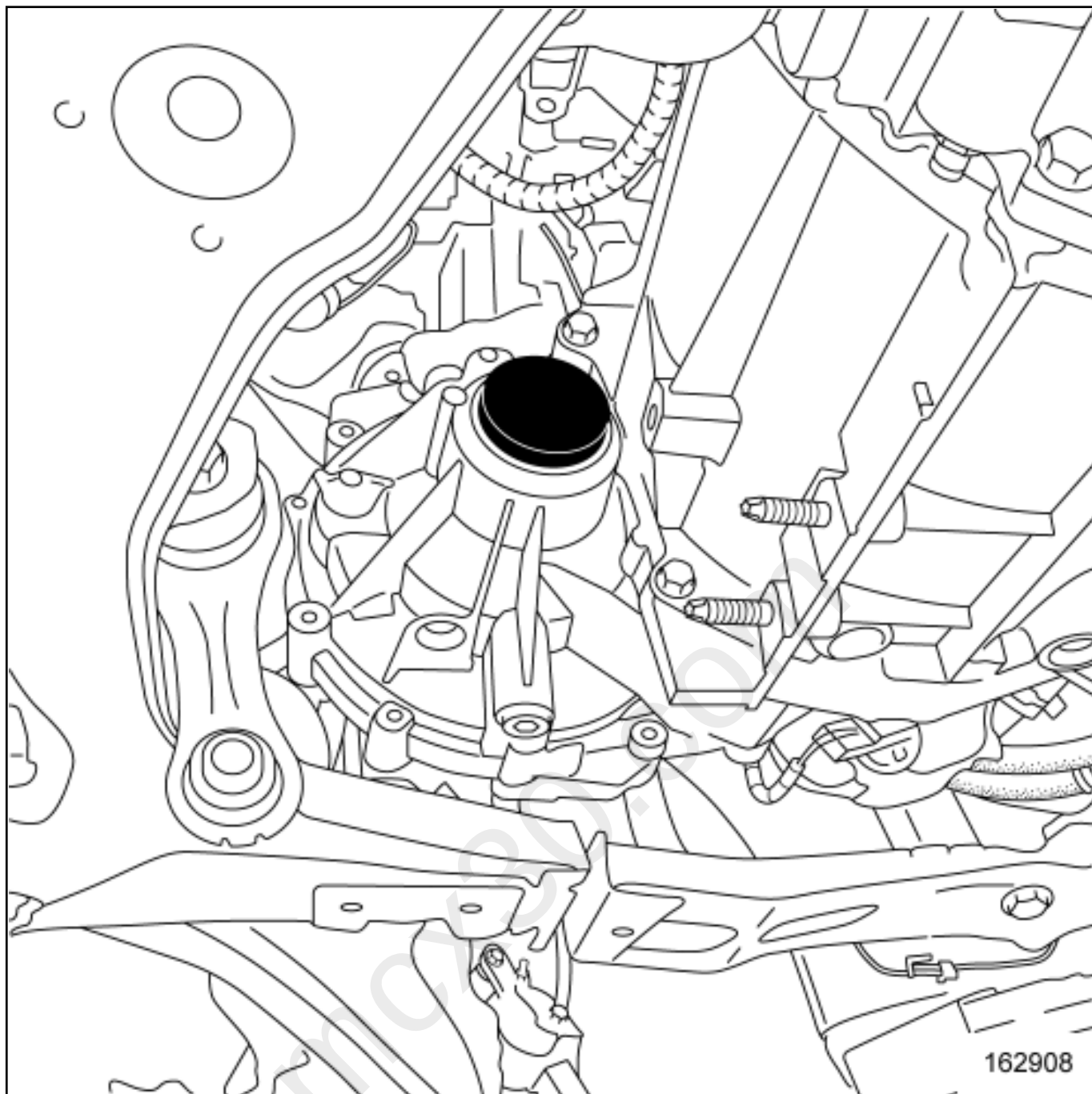
1. REFITTING PREPARATION OPERATION



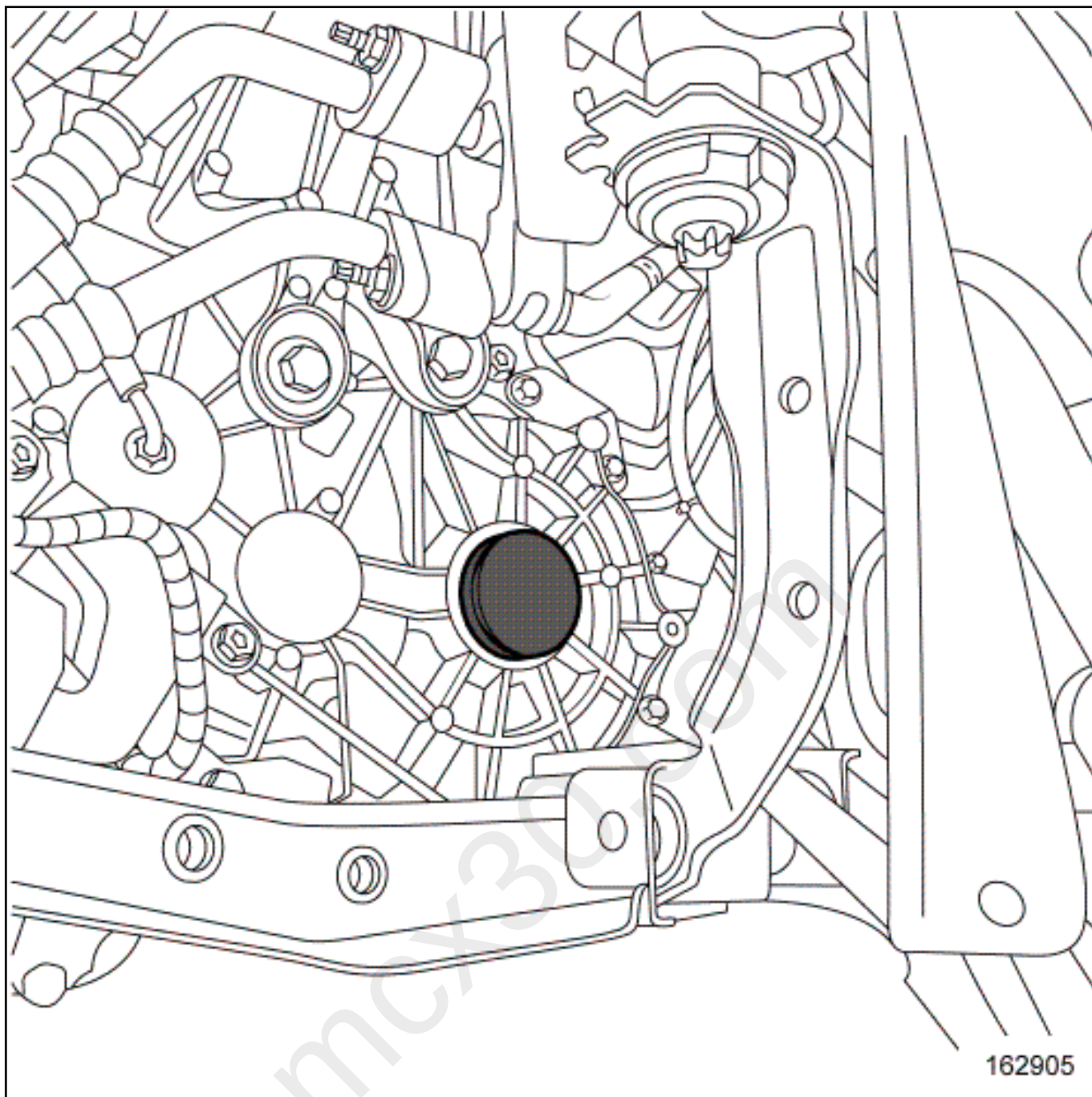
parts always to be replaced:  [Differential output seal](#)  .

2. REFITTING OPERATION

REFITTING THE RIGHT-HAND SIDE DIFFERENTIAL OUTPUT SEAL



REFITTING THE LEFT-HAND SIDE DIFFERENTIAL OUTPUT SEAL



- Lubricate the internal surface of the differential output seals.
- Refit the new differential output seals using the tool Tool for fitting differential output seals (Bvi. 1960) .
- Tap the tool Tool for fitting differential output seals (Bvi. 1960) with a copper hammer to fit the new differential output seals fully.

3. FINAL OPERATION

- Proceed in the reverse order to removal.



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