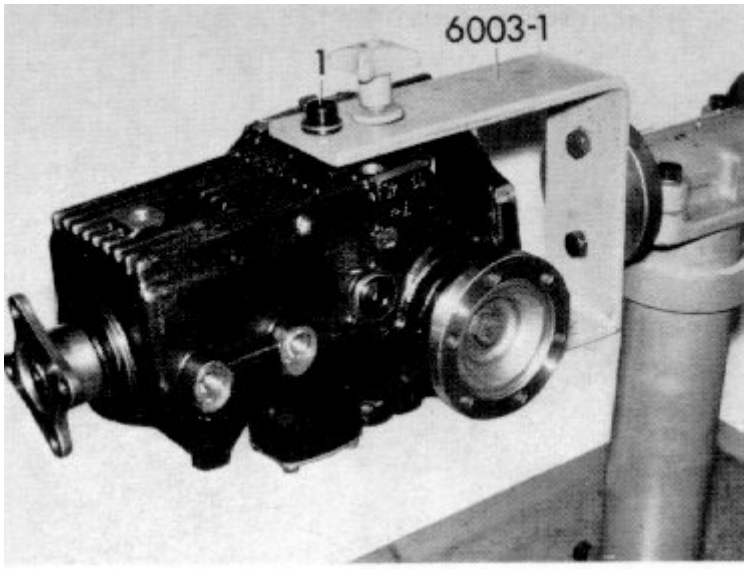
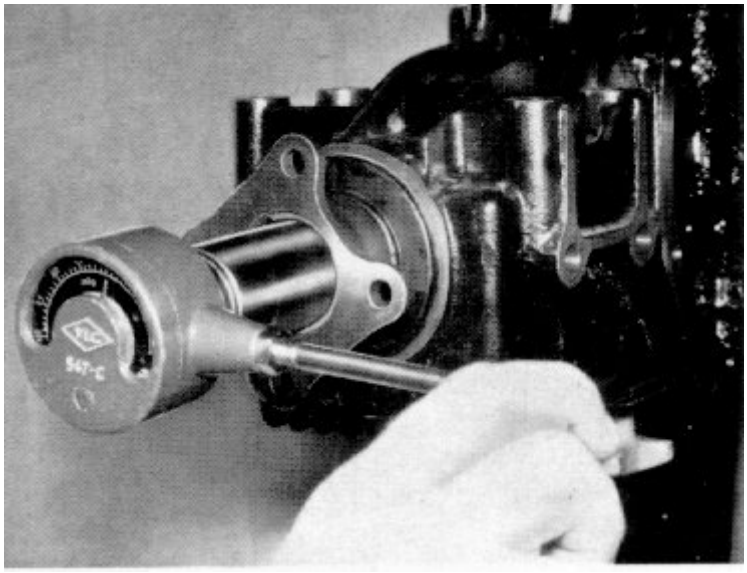
A) Without replacement of tensioning bush.
Removal of final drive cf. 33 10 010.
Drain oil.
Fasten final drive on support 6003-1 and unscrew oil drain
plug (1).

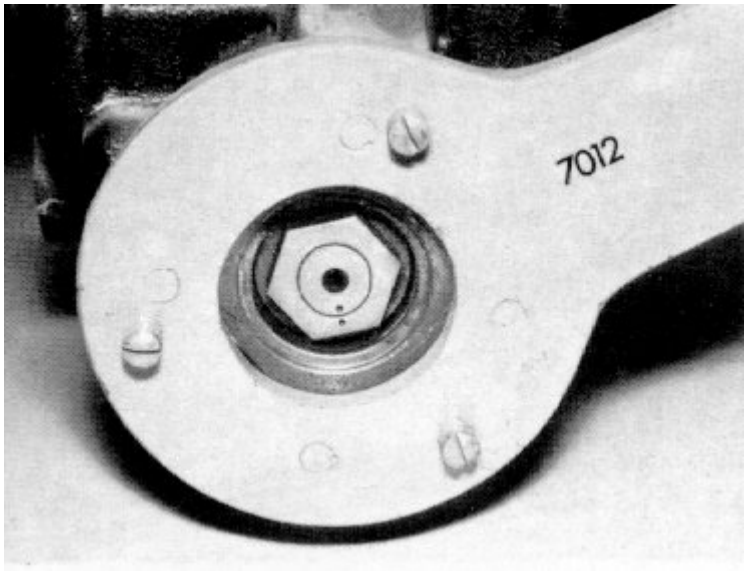
33 10 010



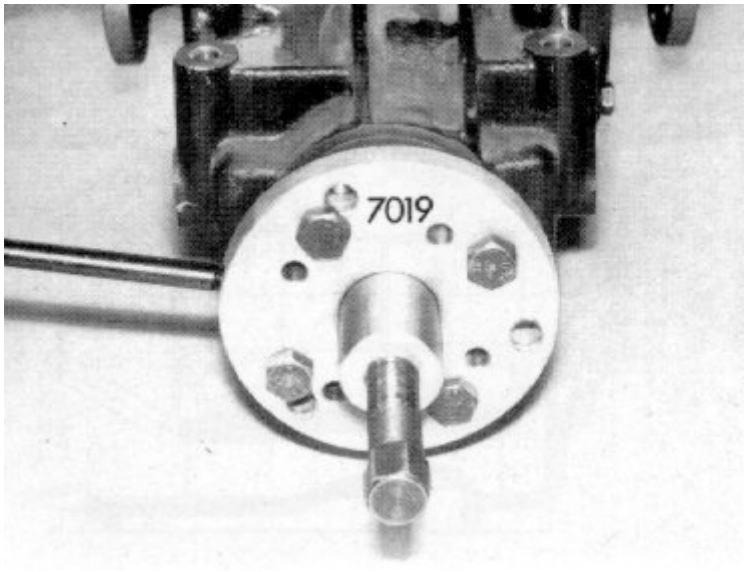
Remove locking plate.
Measure overall frictional value and note.
Important: When fitting, the overall frictional value measured
plus the frictional value of the new shaft sealing ring
must be reached, but not exceeded.



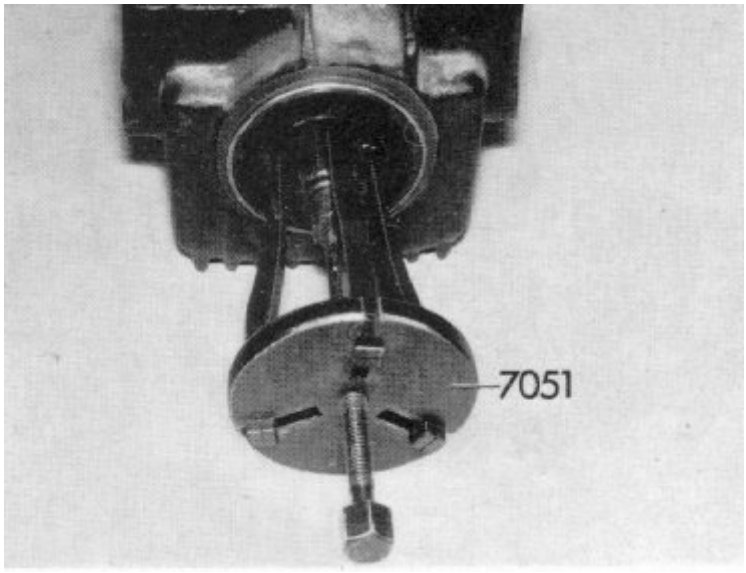
Using a centre punch, mark collar nut in relation to pinion.
Using clamping tool 7012, secure drive flange and unscrew
collar nut.



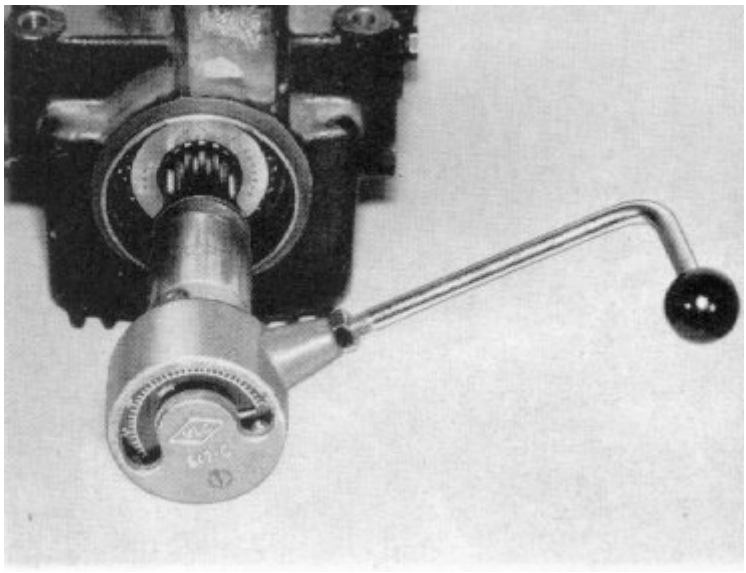
Using pulling tool 7019, pull off drive flange.



Using pulling tool 7051, pull out sealing ring.

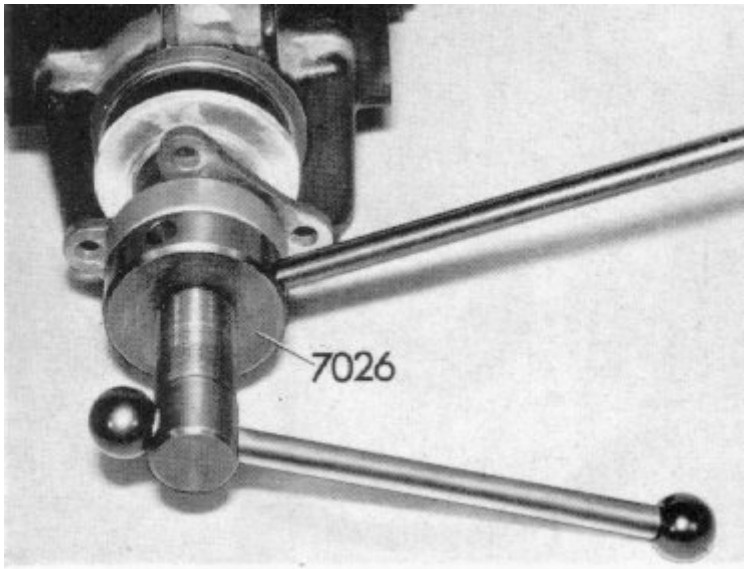


Turn collar nut on drive pinion.
Measure frictional value and note.



Force on sealing ring until the surface are flush.
Fill sealing ring projections with grease.
Using tool 7026, force drive flange into position.
Tighten collar nut by hand.

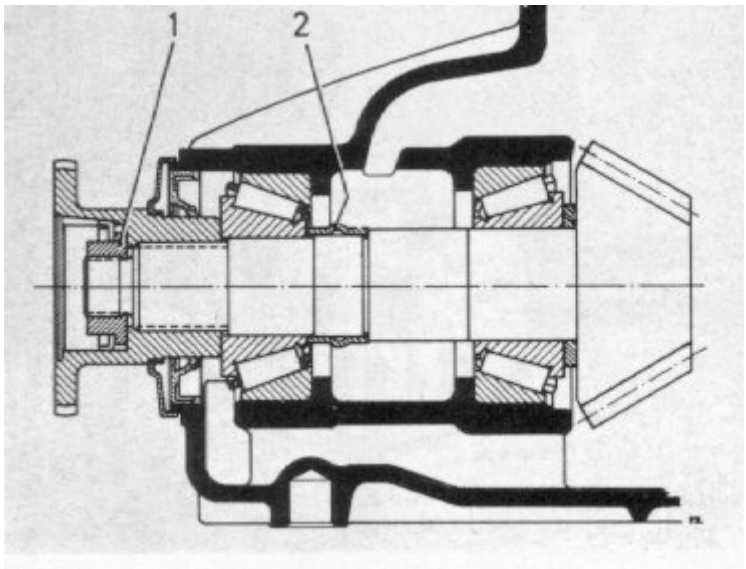
Measure frictional value and note.



Measure new overall frictional value.
Example:
Frictional value 9.0 cmkp (0.6507 ft/lb)
with new sealing ring

Frictional value
without sealing ring - 6.0 cmkp (0.4338 ft/lb)

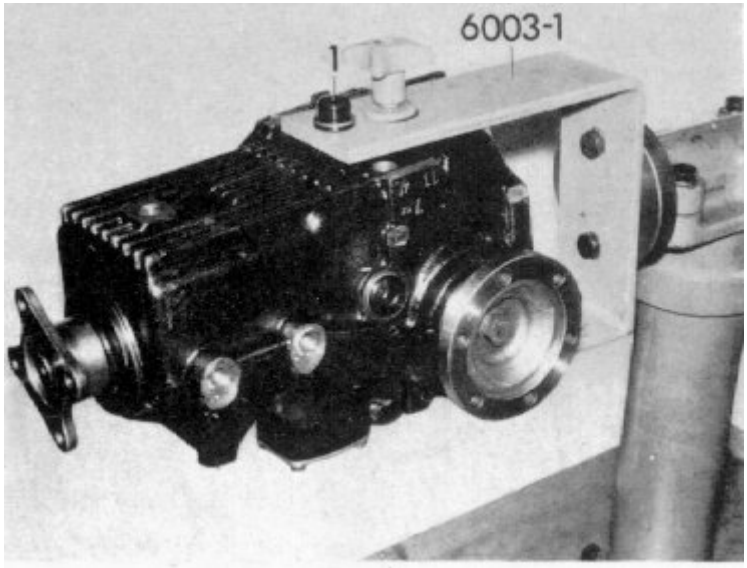
3.0 cmkp (0.2169 ft/lb)
Plus overall frictional value
prior to disassembly + 25.0 cmkp (1.8075 ft/lb)
New overall frictional value ----------
28.0 cmkp (2.0244 ft/lb)



Tighten collar nut until mark made with centre punch is
reached and then measure frictional value.
Important: The minimum tightening torque of collar nut (1)
is 15.0 mkg (108.45 ft lb).
If 15.0 mkg (108.45 ft lb) is not reached of if the newly-
measured overall frictional value is exceeded, replace tensioning bush (2) and
repeat measuring process.
Secure collar nut in position by means of locking plate.
Fill in oil.

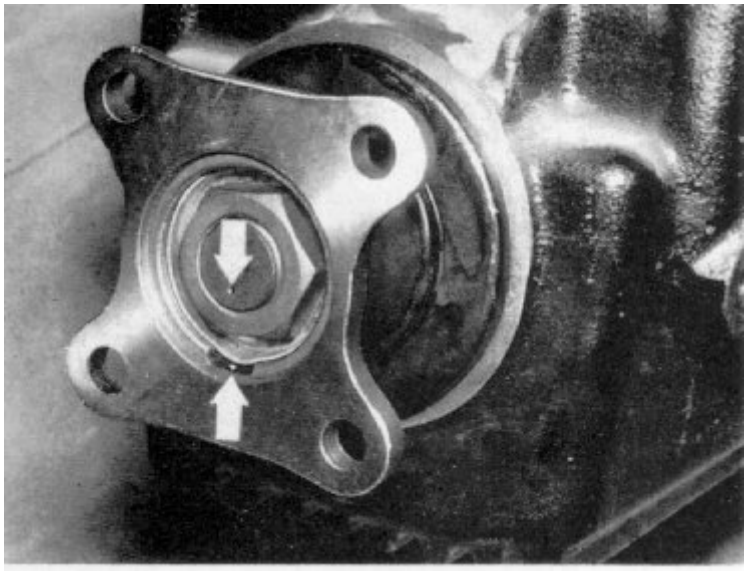
B) With replacement of tensioning bush.
Removal and fitting of final drive cf. 33 10 010.

Removal and fitting of entire differential housing cf.
33 13 010.
For fastening final drive on support 6003-1, unscrew oil
drain plug (1).

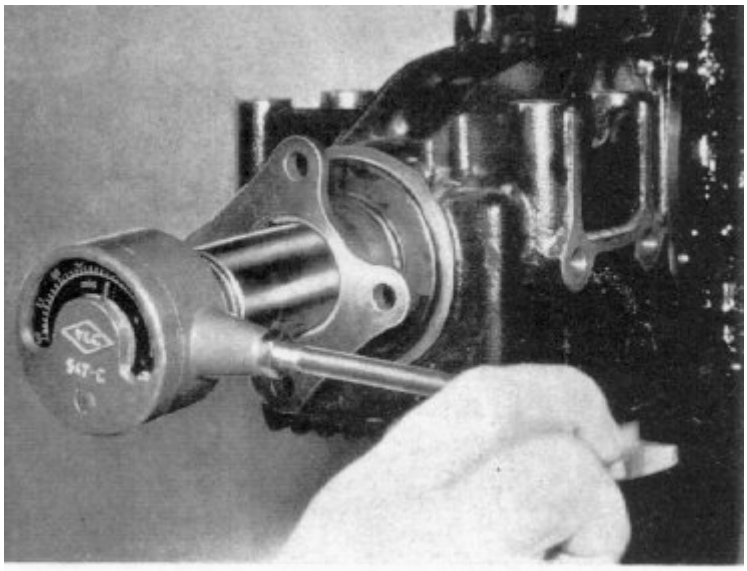


33 10 010
33 13 010

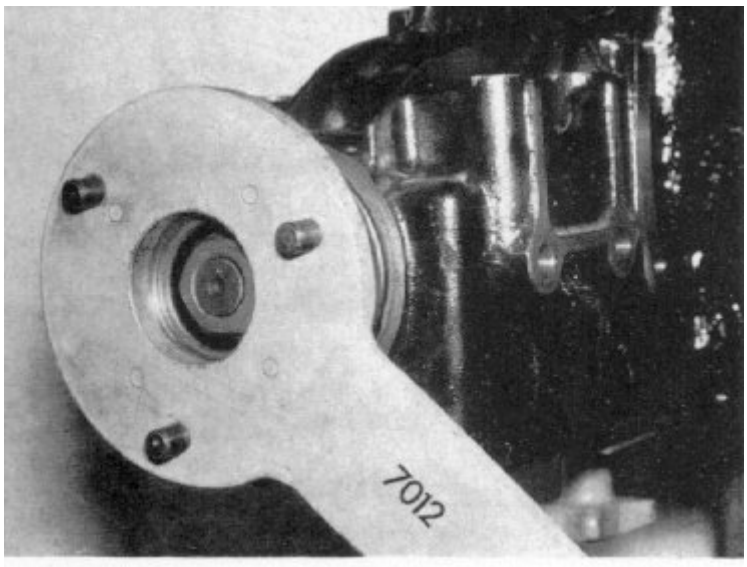
Mark position of drive flange when fitted.
Remove locking plate.
Note when fitting: Secure collar nut in the groove of the
drive flange by means of the locking plate.



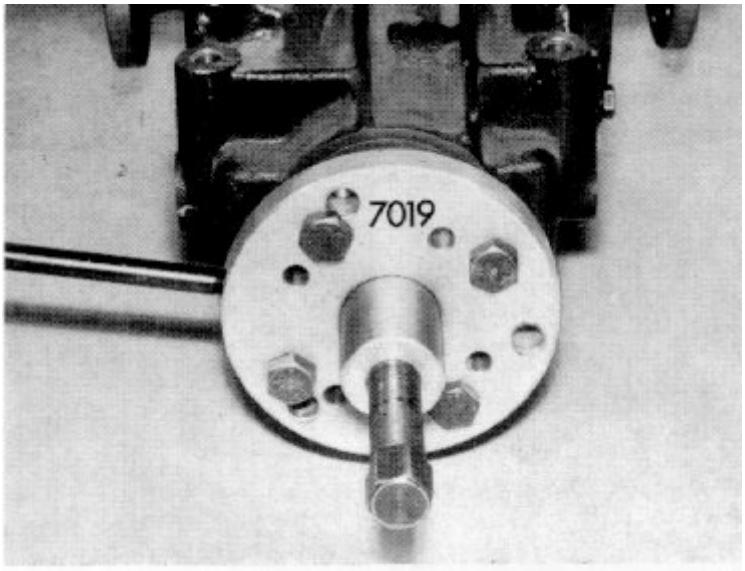
Measure frictional value and note.



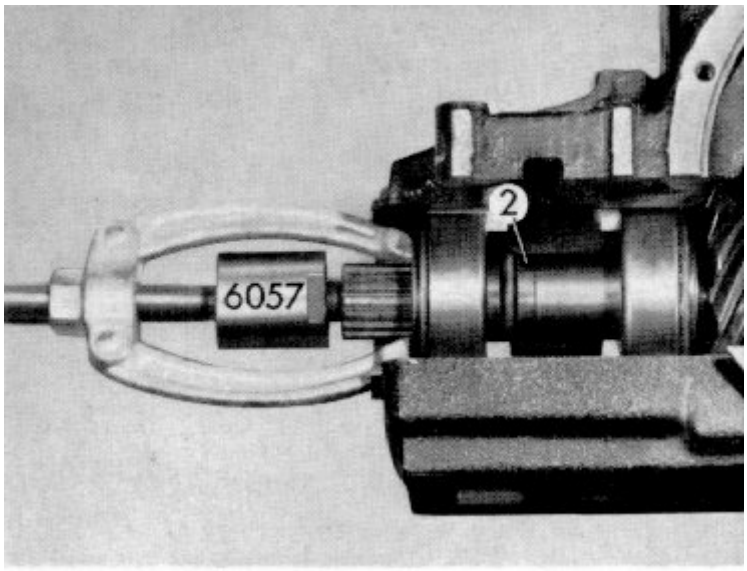
Secure drive flange by means of clamping tool 7012 and
unscrew collar nut.



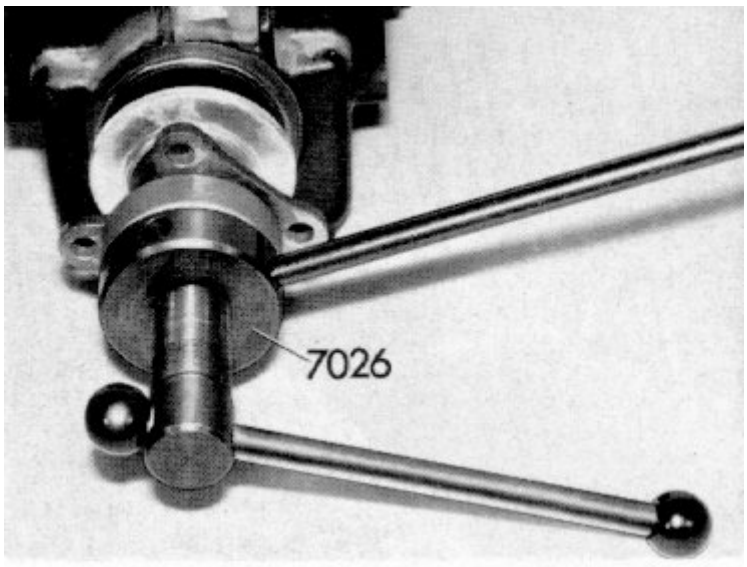
Force out bevel drive pinion or pull off by means of
pulling tool 7019.



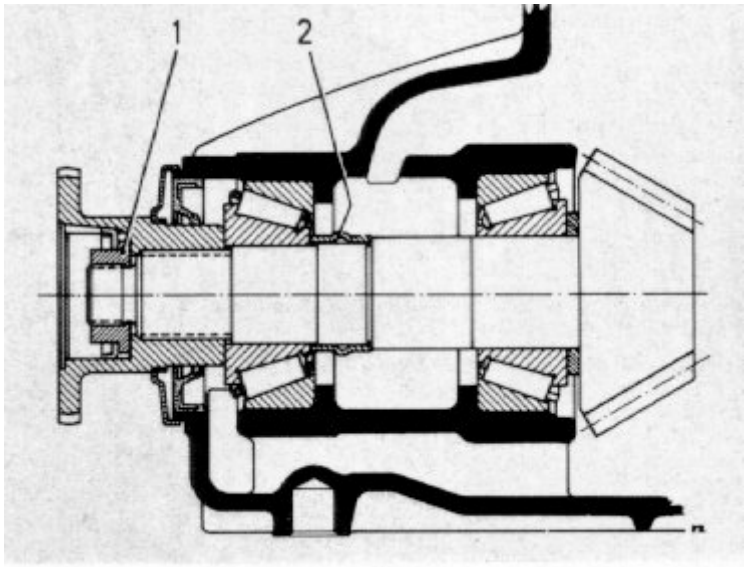
Remove shaft sealing ring.
Check contact surface of shaft sealing ring on drive flange.
If contact surface is badly worn, replace drive flange.
Note when fitting:
Fit bevel drive pinion with new tensioning bush (2).
Fasten pulling clamp 6057 to Kukko 22/1 and pull the front
bevel roller bearing onto the bevel drive pinion.
Important: If the bevel roller bearing is heated in an oil
bath, wait until bevel roller bearing has cooled off completely
before adjusting bearing and measuring friction.



Using tool 7026, force drive flange on to drive shaft.



Fill shaft sealing ring with grease and fit on so that
surface are flush.
Fit on drive flange.
Adjust bevel drive pinion bearing to the frictional value
marsured prior to disassembly, adding 4 cmkp for the new
shaft sealing ring.
Important: Collar nut (1) must be tightened with a minimum
torque of 15.0 mkg (108.45 ft lb). If this value is not
reached or if the frictional value - see example - is exceeded,
replaced tensioning bush (2) and repeat measuring
process.
Example:
frictional value prior to disassembly 14 cmkp (1.0122 ft/lb)
new shaft sealing ring + 4 cmkp (0.2892 ft/lb)



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adjust bevel drive pinion bearing to 18 cmkp (1.3014 ft/lb)