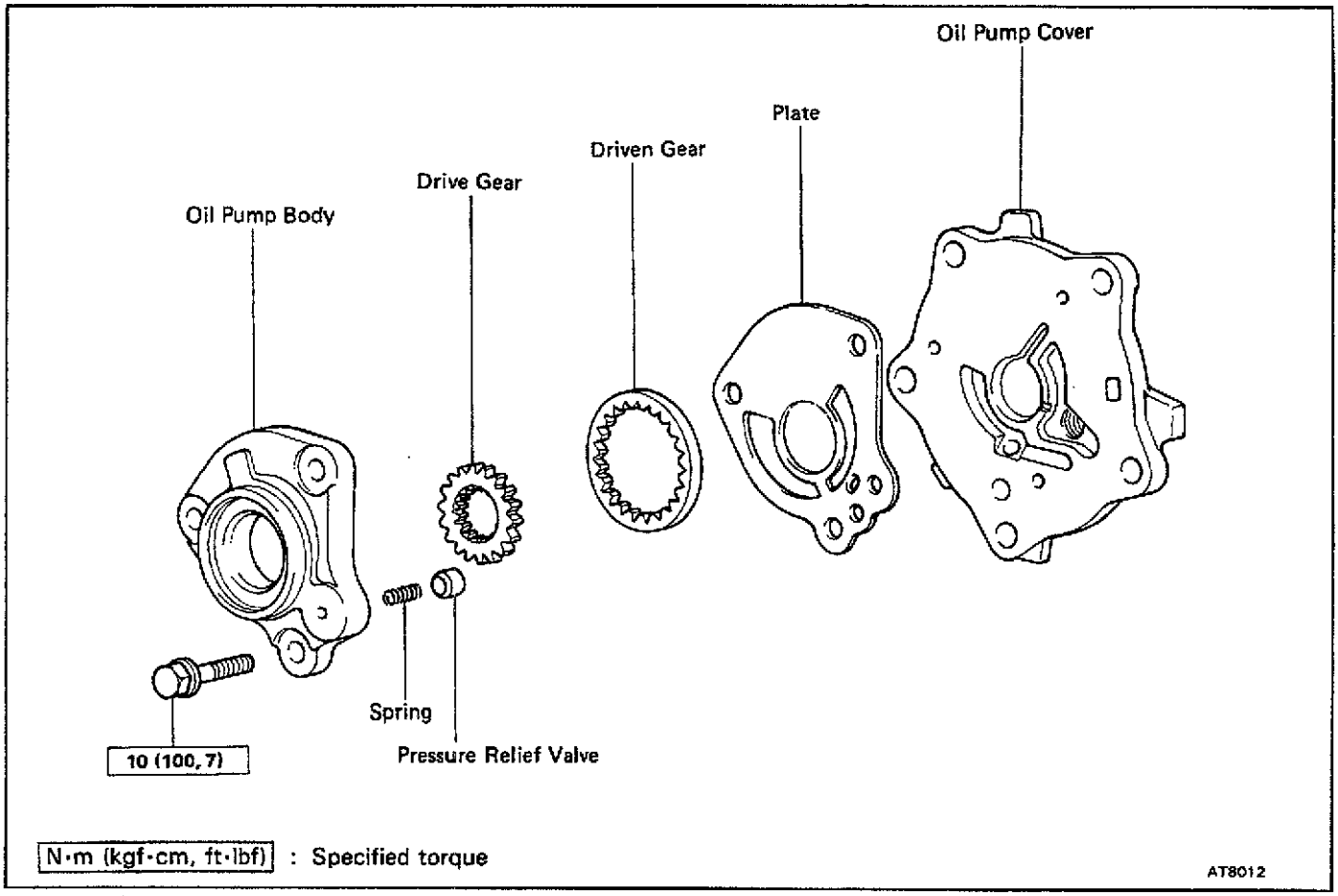
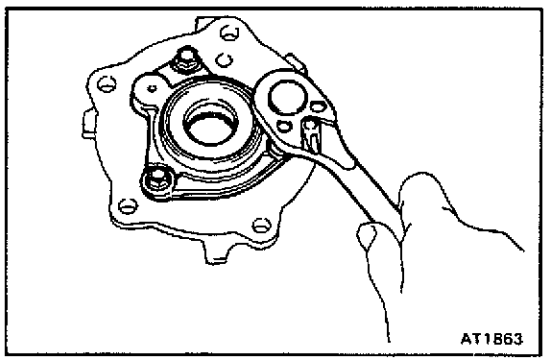
TRANSFER OIL PUMP

COMPONENTS

AT0KM-01



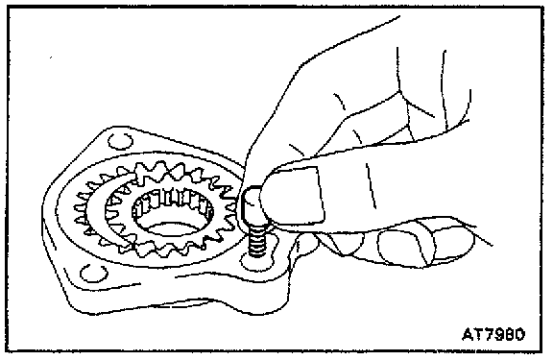


TRANSFER OIL PUMP DISASSEMBLY

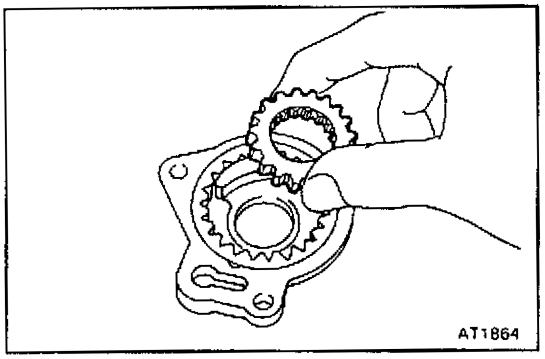
AT0KN-01

DISASSEMBLE TRANSFER OIL PUMP

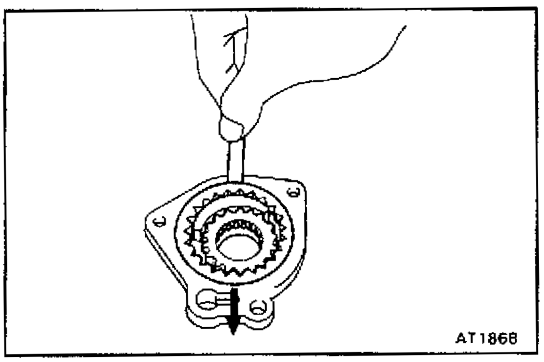
(a) Remove the 3 bolts, oil pump body and plate from the oil pump cover.



(b) Remove the pressure relief valve and spring.



(c) Remove the drive gear and driven gear.



TRANSFER OIL PUMP INSPECTION

ATDKP–02

1. CHECK BODY CLEARANCE OF DRIVEN GEAR

Push the driven gear to one side of the body. Using a feeler gauge, measure the clearance.

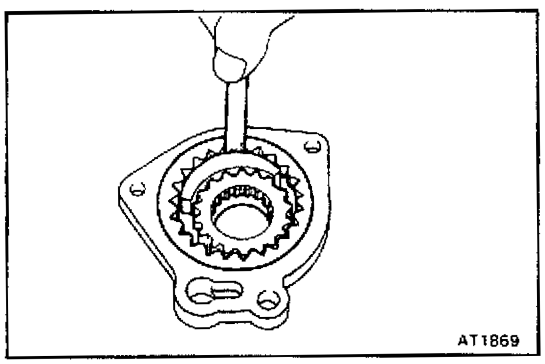
Standard body clearance:

0.07 – 0.15 mm (0.0028 – 0.0059 in.)

Maximum body clearance:

0.3 mm (0.012 in.)

If the body clearance is greater than the maximum, replace the drive gear, driven gear or pump body.



2. CHECK TIP CLEARANCE OF DRIVEN GEAR

Measure between the driven gear teeth and the crescent–shaped part of the pump body.

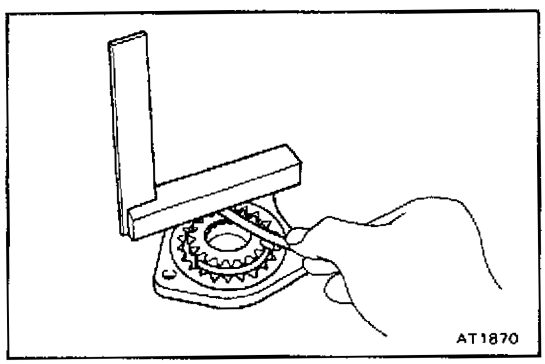
Standard tip clearance:

0.15 – 0.42 mm (0.0059 – 0.0165 in.)

Maximum tip clearance:

0.6 mm (0.024 in.)

If the tip clearance is greater than the maximum, replace the drive gear, driven gear or pump body.



3. CHECK SIDE CLEARANCE OF BOTH GEARS

Using a steel straight edge and a feeler gauge, measure the side clearance of both gears.

Standard side clearance:

0.04 – 0.15 mm (0.0016 – 0.0059 in.)

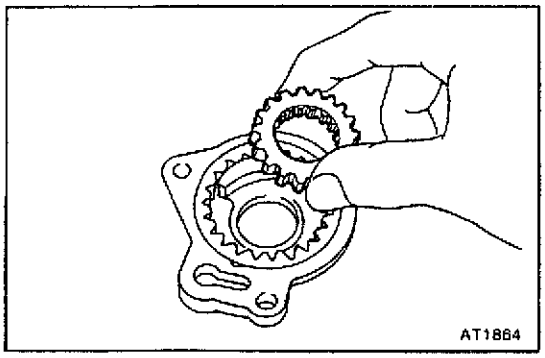
Maximum side clearance:

0.3 mm (0.012 in.)

If the side clearance is greater than the maximum, replace the drive gear, driven gear or pump body.

AT060-01

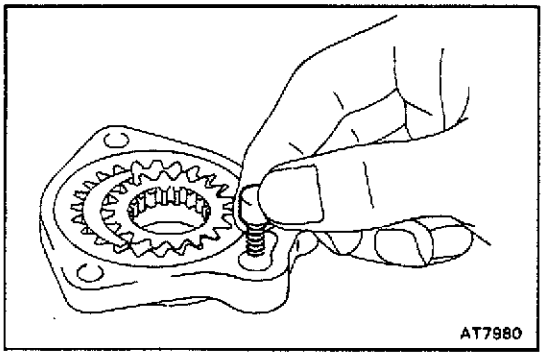
TRANSFER OIL PUMP ASSEMBLY



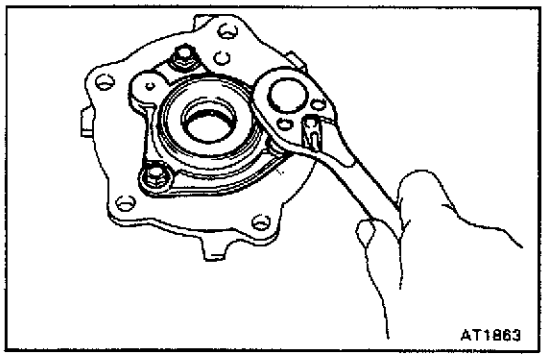
ASSEMBLE TRANSFER OIL PUMP

(a) Coat the driven gear and drive gear with ATF.

(b) Install the driven gear and drive gear.



(c) Install the pressure relief valve and spring.



(d) Install the plate and oil pump body, and torque the 3 bolts.

Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)

AT