

PRODUCT: Automatic Transmission Kit

Servicing Tip: Prevent Leaks

Example Part Numbers: RTK1

Prevent transmission fluid leaks when servicing a transmission pan. If you notice transmission fluid under the vehicle after servicing the transmission this may be caused by an incorrect re-fitment of the transmission pan.

The three key servicing tips are:

1. Pan inspection
2. Tightening sequence
3. Correct tension

Before installing the pan there are some critical checks that have to be performed to minimize the risk of a leak:

1. Inspect all the bolt holes on the pan are flat and not dented.

Any dents will need to be flattened, usually with a hammer. Care must be taken not to bend the pan. This type of damage is commonly found on overtightened pans.

2. Clean the pan and remove gasket residue.

The transmission pan and case flange must be as clean and dry as possible. Any residue of the old gasket must be gently scrapped off. Attention must be paid to not score the flange.

3. Position gasket on the pan flange.

Some gaskets have bolt holes, which are smaller than the remaining bolt holes. Insert bolts up through the pan and smaller holes in the gasket. The smaller holes will hold the bolts in place for easier installation.

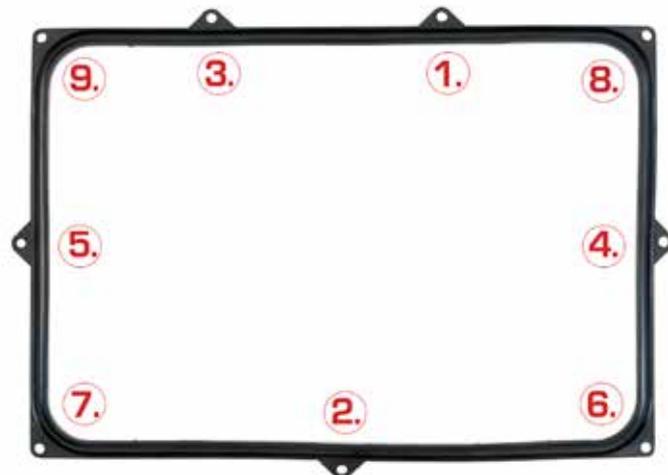
If the application uses silicone sealant instead of a pan gasket: Apply approx. 3mm diameter bead of silicone all the way around the pan flange, making sure not to leave any gaps. Apply sparingly so the silicon doesn't over-flow on each side as you re-tighten the pan. Leaked silicon may cause additional transmission wear or malfunction.

TIP: Do not over tighten the pan bolts to stop any perceived leaks, as this can potentially crush the pan gasket and/or worsen a leak.

4. It is crucial after the above checks have been performed to hand tighten the bolts and then use of a torque wrench to tension the bolts in a criss-cross sequence to the manufacturers recommended torque specification (Check the owner's manual).

Tightening Sequence

Some manufacturers give a specific sequence to tighten the transmission pan bolts. However if such information is not available, the safest would be to start from the centre in a criss-cross pattern. (Refer to example - right)



TIGHTENING SEQUENCE



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