

Servicing Honda / Acura Transmissions

Honda transmissions incorporate an internal sump filter. In some cases gaining access to the filter requires the transmission to be removed from the vehicle and disassembled. In other instances there is a bottom pan from which to access the transmission filter. See Figure 1.

To replace the Sump filter on these models first lift the vehicle in the air using the manufacturers approved method.

Next, remove the drain plug from the pan, if fitted with one, and drain the transmission fluid into a suitable drain pan. Then remove all pan bolts. If the unit has no drain plug, then carefully remove the pan bolts and allow fluid to drain from the pan into the drain pan.

With the pan removed, the filter can be accessed and removed. Take note of the filter seal and remove it as well. Replace the filter and seal and install in the reverse manner of removal. Clean the pan, replace the pan gasket and install with pan.

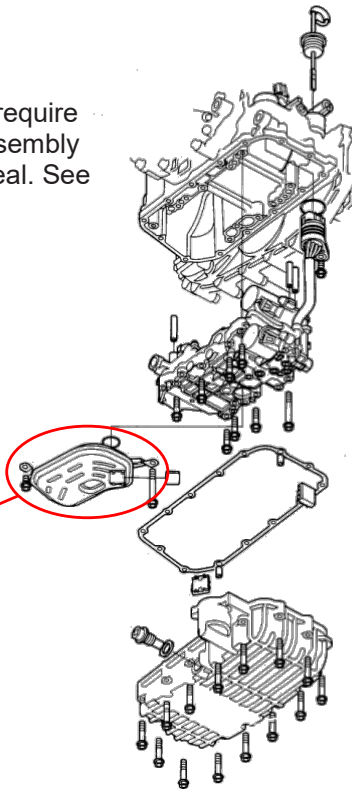
After the pan bolts are torqued to the manufacturers required specifications, lower the vehicle, remove the dipstick and fill the transmission with Honda ATF-Z1 or equivalent. The amount varies depending on year make and model. Consult the owner's manual for details.

General time to replace is approx 1 hr.

All other Honda transmissions without a lower pan require removal of the transmission from the vehicle, disassembly of the transmission, removal of the filter and filter seal. See figures 2, 3, and 4 on the following pages.

Figure 1. Typical Pan Style Honda Transmission.

Internal Transmission Filter



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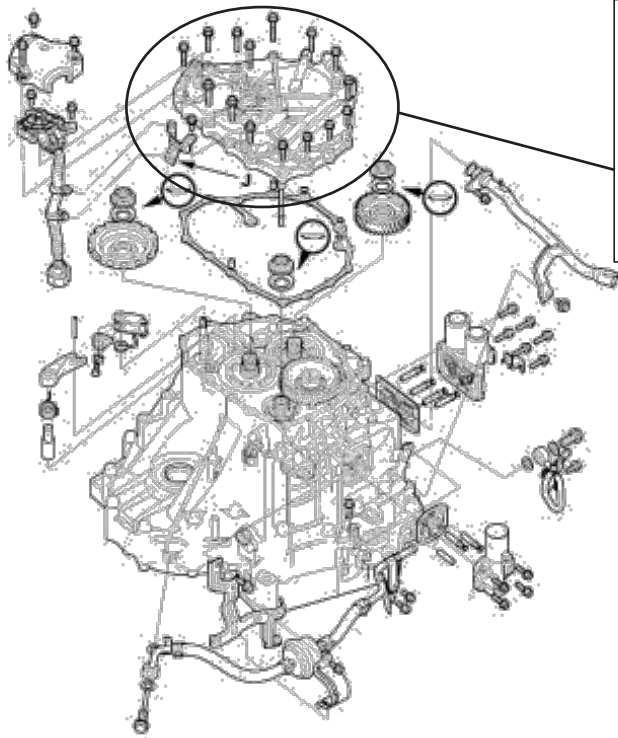


Figure 2. Typical Non-Pan Style Honda Transmission. Access to the filter requires transmission removal and disassembly.
The end cover and all other necessary external components must be removed.
Filter not visible in this figure

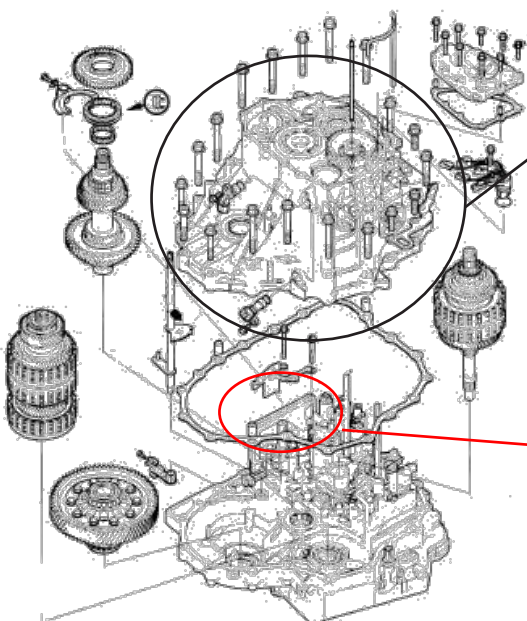


Figure 3. Remove all necessary bolts and shaft nuts, (most shaft nuts are staked in place, a chisel or stake cutter is required), then split the case. Some gear train components may also need to be removed.

Typical location of internal filter.

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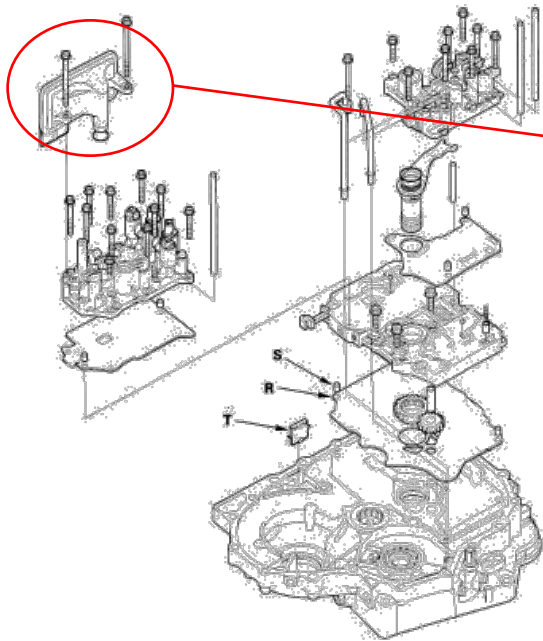


Figure 4. Once the end cover and case half are removed, the filter can be removed and replaced.

After replacing the filter reverse the disassembly procedure to reassemble the transmission using all new gaskets and seals. Make sure all lock nuts are torqued to their proper specification and staked. Torque all other bolts according to manufactures specs. Reinstall transmission and fill with Honda ATF-Z1 or equivalent.

General time is 10-12 hrs

Some vehicles may also have a cooler line filter installed either internally in the transmission or externally. Figures 5 and 6 are examples of internally installed cooler line filters.

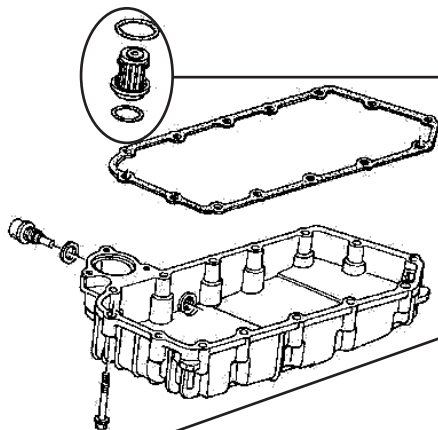


Figure 5. Cooler line filter mounted in the pan. The filter is accessible from underneath the vehicle.

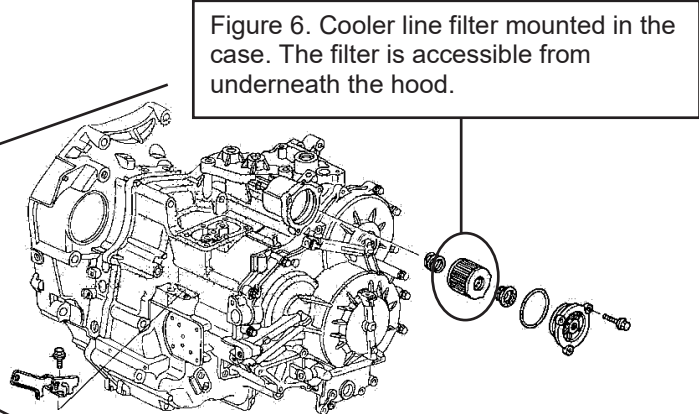
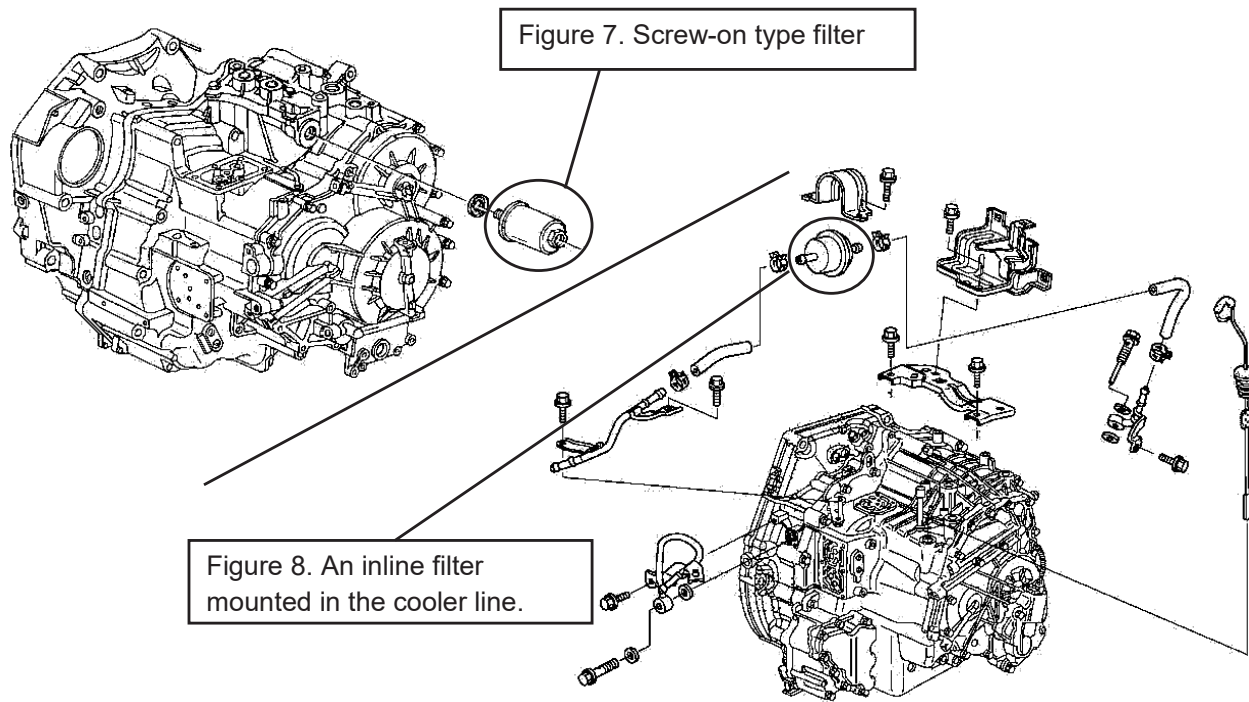


Figure 6. Cooler line filter mounted in the case. The filter is accessible from underneath the hood.

Figures 7 and 8 are examples of externally installed cooler line filters.

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Note; some may be mounted on the case or somewhere in the cooler lines.



FOR ADDITIONAL INFORMATION, CONTACT:

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