

Product: Oil Drain Tool (ODT)

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Tool Description

- 1) The ODT is used to drain transmission oil from 2-stroke off-road motorcycles.
- 2) **WARNING-** The ODT must not be left installed during operation of the motorcycle.
- 3) The advantage of using the ODT is that it allows you to drain the transmission oil without creating any mess. The skid plate can be left on the bike and when the oil is drained using the tool oil will flow through the tool and supplied hose, without covering the frame, skid plate, or floor.
- 4) Each ODT kit includes an Oil Drain Tool (standard and long lengths available), o-ring (NBR- heat and oil resistant), 25cm hose (silicone- heat and oil resistant), a plastic bung for the hose and a zip tie. An optional Deluxe ODT bung made from 6061 aluminum is also available which provides greater ease of use due to the knurled, larger diameter bung grip.
- 5) **Optional-** To securely attach the hose to the ODT body a zip tie can be used (see Fig. 1)



Fig. 1- Zip tie used to secure silicone hose to ODT body

Tool Compatibility

- 1) Both ODT models (Standard and Long) have the same thread. The only difference is the length of the tool body.
- 2) The Standard ODT is intended for KTM 2-stroke models up to 2016, including EXC, SX, XC, XC-W and Freeride, which have the transmission oil drain on the right side, behind the rear brake lever. Because the drain is partially behind the rear brake lever it would be difficult to use the long tool without adjusting the rear brake lever position.
- 3) The Long ODT is intended for 2017+ KTM and Husqvarna 2-stroke 250/300 models with the transmission oil drain located on the left side of the engine. The oil drain location is recessed quite deeply in, so the long tool simplifies access when installing and removing the ODT. The

Standard ODT model could also be used, but it will be a little more difficult to use due to the shorter length.

ODT Usage

- 1) Warm the motorcycle engine up to operating temperature.
- 2) Stop the engine, switch off the fuel cock and lean the motorcycle over so the oil drain is up (KTM model up to 2016 lean over to the left, KTM 2017+ 250/300 models lean over to the right) and rest the handlebar grip on a work stand.
- 3) Remove the transmission oil drain plug, being sure to remove the copper washer.
- 4) Check that the o-ring is installed on the ODT and screw it in to the oil drain. Do not over-torque the ODT. The supplied o-ring will create a good seal when the ODT is finger tight. Do not use any tools to tighten the ODT.
- 5) Install the ODT hose and hose drain plug (already installed if secured to the ODT body with a zip tie).
- 6) Stand the bike up and support with side stand, or work stand if side stand not fitted.
- 7) With an oil drain pan under the bike remove the ODT hose plug and drain oil in to the drain pan. The transmission oil filler can be removed to speed drainage of old oil.
- 8) Clean the transmission oil drain bolt magnet. When oil has fully drained lean the bike over again and install the transmission oil drain bolt. It's a good idea to always use a new copper washer on the drain bolt if you have one to ensure a good seal. Tighten the transmission oil drain bolt to spec.
- 9) Fill the transmission with the recommended grade and volume of oil.