

Product: **Wheel Bearing Press Tool (WBPT)**
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Tool Description

- 1) The WBPT is used to press in new wheel bearings to the wheel hubs.
- 2) The advantage of using the WPT over a method such as hammering the bearing in is that the WBPT presses the bearing in to the hub straight, minimizing the chance of damage to the hub and bearing.
- 3) Each WBPT kit includes a base plate, bearing plate, threaded rod, 2 nuts and 2 washers

Tool Compatibility

The WBPT will work on all full sized KTM off-road models, including EXC, SX, XC, XC-W models. The WBPT can be used to install both front and rear bearings by simply turning the bearing plate over. If your motorcycle uses bearings which have an outside diameter (OD) of 47mm and internal diameter (ID) of 25mm, or 30mm the WBPT tool should be compatible.

Assembly Instructions

- 1) Unpack all parts
- 2) Install the threaded rod in to the base plate (threaded part) by screwing the rod into the base plate and secure with provided nut and washer (19mm wrench required). Note: If the wheel bearing press to will be left assembled some Loctite 243 can be used on the base plate and lock nut threads to ensure they don't easily come loose.

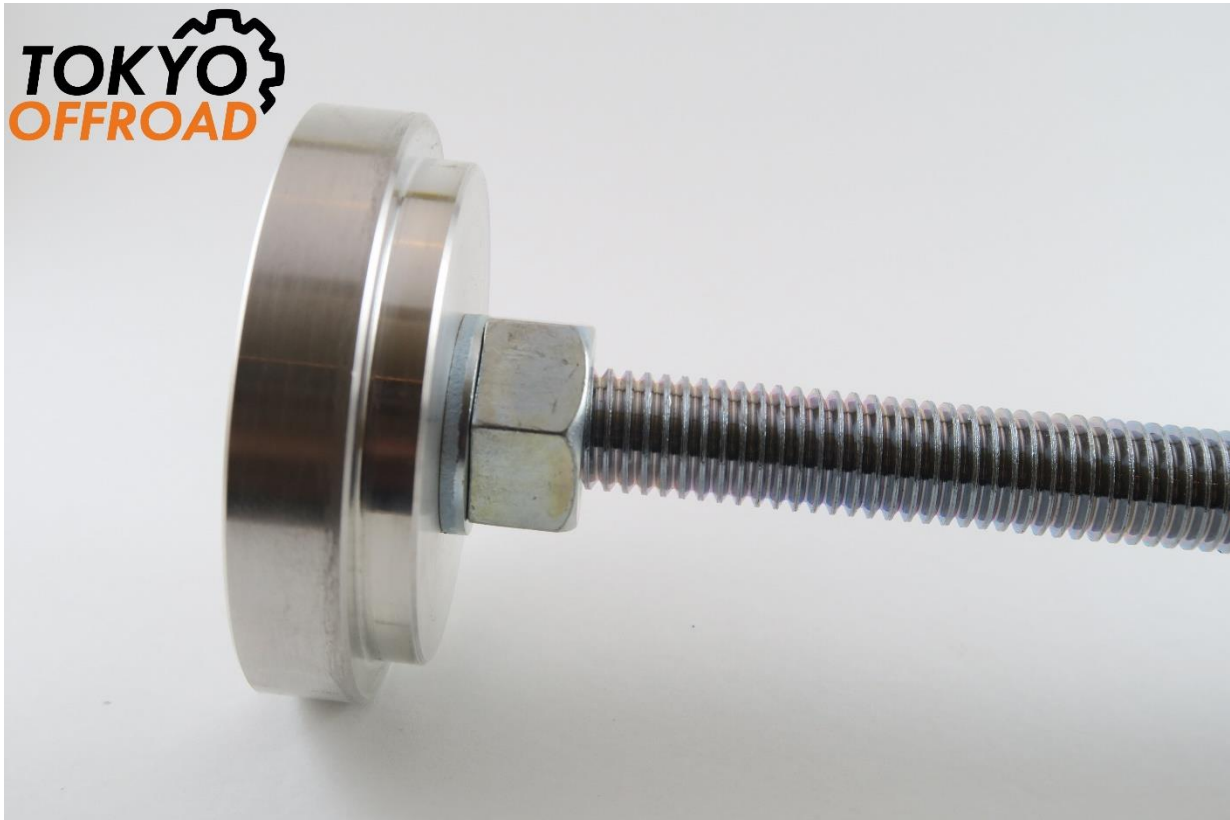


Fig.1- Assembled Wheel Bearing Press Tool base plate and rod

Old Bearing Removal

- 1) Remove the wheel bearing dust seals.
- 2) Note- For KTM rear wheels, one of the bearings is retained using a circlip. The circlip must be removed before removing the bearing.
- 3) Careful heating of the wheel hub around the wheel bearing before bearing removal is recommended to minimize hub damage. A propane gas, or MAP gas torch can be used. Be careful not to overheat the hub.
- 4) To remove the old bearings a bearing puller tool is best as it pulls the bearing out straight. If a bearing puller tool is not available then a suitable metal rod and hammer can be used, tapping the bearing from side to side from inside the hub to drive the bearing out. Be sure not to cant the bearing by hammering only on one side of the bearing, or damage to the hub may result.

WBPT Usage

Note 1- New wheel bearing preparation: It is recommended to cool new bearings in a freezer before installation to minimize the force require to install. Cooling the bearing will reduce the external diameter of the bearing slightly and allow it to be installed in the hub more easily. A minimum on 1 hour cooling is recommended.

Note 2- For KTM rear wheel bearing installation, install the bearing which is retained with the circlip first. For front wheel bearing installation, either bearing can be installed first.

- 1) Place the WBPT base plate with threaded rod installed on a level flat surface (bench, or floor).
- 2) Place the wheel hub on to the WBPT base plate, ensuring that the wheel hub seats correctly in the hub.
- 3) Carefully heat the hub around where the new bearing will be installed. A propane, or MAP torch can be used. Be careful not to overheat the hub, or damage may occur.
- 4) Remove the new bearing from the freezer and place it on top of the hub.
- 5) Install the WBPT bearing plate on top of the new bearing, making sure that the plate orientation is correct so it seats in the bearing correctly. Install the washer and nut on the threaded rod of the WBPT and tighten the nut by hand to remove play (Fig.2).
- 6) Make sure the bearing is aligned in the hub and proceed to tighten the WBPT nut using a 19mm wrench. Continue to tighten until the bearing is fully seated in the hub (stop when the tightening resistance suddenly increases). Do not overtighten the WBPT or damage to the bearing may occur.
- 7) Remove the WBPT from the hub.
- 8) For rear wheel bearing install the outer circlip bearing retainer if required.
- 9) Install the bearing inner spacer (long aluminum part which goes between bearings) and install the second bearing in the same manner as the first bearing using the WBPT.
- 10) Install the bearing dust seals last. The WBPT bearing plate can be used for this, by placing it over the dust seal and hammer it in to the hub carefully using a soft hammer until the dust seal is seated correctly in the hub. Do not use a regular hammer to hammer on the bearing plate, or damage to the plate will occur
- 11) Apply some waterproof grease to the bearing dust seal lips and bearing faces to help prevent water ingress.
- 12) Mount the wheel on the motorcycle.



Fig.2- Wheel Bearing Press Tool installed and ready to press in new bearing