

Oil Change Procedure for the Spartan TZ-450's

TUFF TORQ

Tuff Torq Technical Services Presentation

Oil Change Procedure for the TZ-450

The interval for an **Oil Change** in the TZ-400B is after the initial 50-hour break-in period and then every 250 hours after that.



Oil Change Procedure for the TZ-450

What oil do I use?

The Oil that is installed from the factory in all TZ units is Our **Premium Tuff Tech Oil**.

When you change the oil, put what **belongs** in your Tuff Torq transaxles. Tuff Tech comes in a 3-liter bottle, order directly from our website via the part number 187Q0899000.

<https://tufftorq.ordertree.com/>



Oil Change Procedure for the TZ-450

What Oil change kit to order:

TZ-450 Oil Change Kit:
187Q2199300

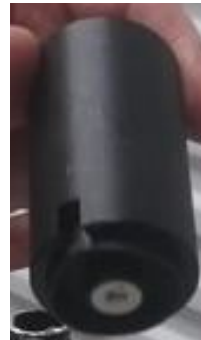


Oil Change Procedure for the TZ-450

Needed Tools:

Flat blade Screwdriver
3/8" Ratchet
Rubber Hammer
3/8" Torque Wrench
12mm Socket or Wrench
TTC Vent Valve Installation Tool
(recommended)

Vent Valve Tool 5555



Oil Change Procedure for the TZ-450

Remove both parts of the Vent Valve and discard



168T2024250

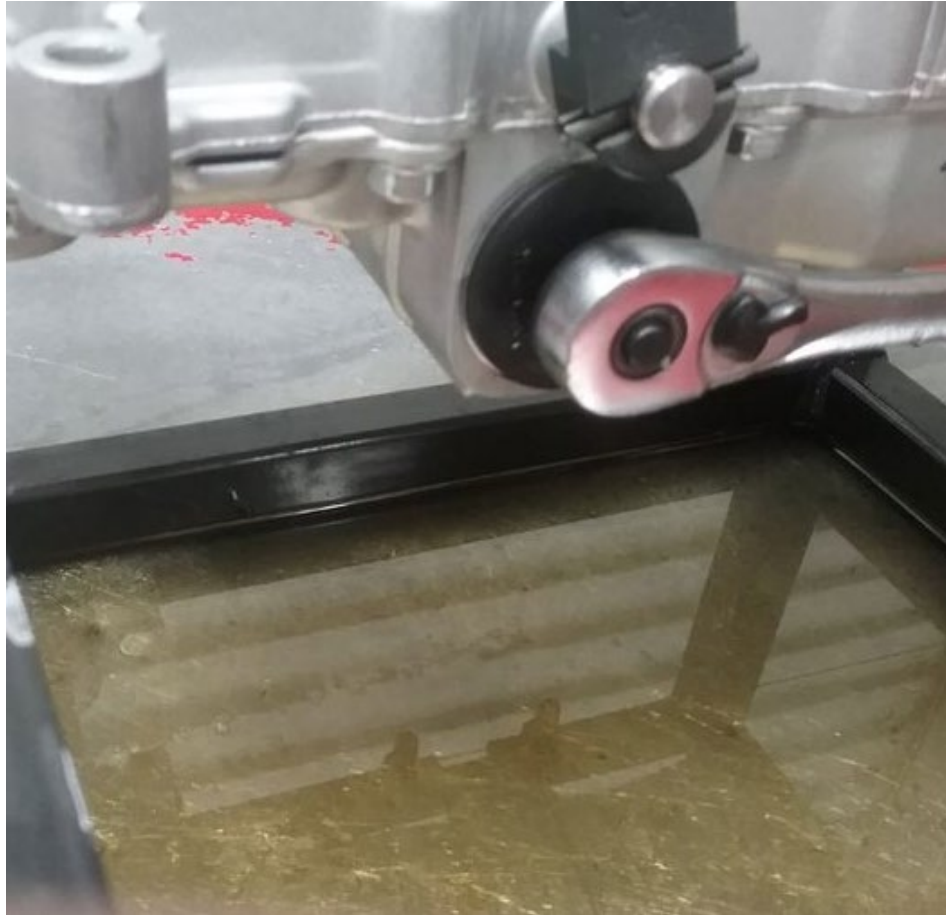
Oil Change Procedure for the TZ-450

Remove Drain Bolt with 12mm socket or wrench and discard Drain Bolt and Washer Seal. Let the oil drain out.



Oil Change Procedure for the TZ-450

Remove Filter cap with a 3/8 ratchet .
Let the oil drain out.



Oil Change Procedure for the TZ-450

Install New Filter

Make sure to orient the new Filter with the sealing surface inside the transaxle housing and the spring facing out.



Oil Change Procedure for the TZ-450

Install original Filter Cap with supplied O-ring

*Clean residual oil off Cap before installing
Torque to 6-9 ft/lbs.*



Oil Change Procedure for the TZ-450

Install supplied Seal/Washer and Bolt

Torque the Drain Bolt to 15-18 ft/lbs.



Oil Change Procedure for the TZ-450

Fill with Tuff Tech Oil 187Q0899000



Oil Change Procedure for the TZ-450

Clean residual oil out of fill hole before installing Vent Valve to ensure correct sealing.

Recommended:

Use TTC Vent Valve installation tool to install supplied Vent Valve.



Vent Valve Tool 5555



168T2024250



Perform “Air Purge Procedure”

- Turn off vehicle.
- Jack up vehicle so both rear tires are off of the ground.
- Safely support rear of vehicle on jack stands.
- Have someone sit on mower and start vehicle.
- Run vehicle at approximately half throttle.
- Locate bypass lever on transaxle, take care not to touch the fan.
- Do one transaxle at a time.
- Cycle bypass lever on and off 10 times to allow air to escape hydraulic circuit.



 **YouTube** Subscribe to our YouTube Channel

<https://www.youtube.com/channel/UChkzgepNg8AX0wXbysgE7eYA>



Follow us on Instagram



Like us on FaceBook

To Order: <https://tufftorq.ordertree.com/>

“Our mission is to provide a secure future for our employees, benefit the community and the environment while providing our customers the highest value off-highway powertrain solutions in the world.”

Oil Change Procedure for the Spartan TZ-450's

Thank you

TUFF TORQ



From the Techs of the Tuff Torq Service Department