

Mezzer REV B casting includes TSR Casting Bleed screws.

- TSR (Trail Side Relief) casting bleed screws allow users to release casting pressure from the fork. This is best done in the shop, but a careful user can use this system on the trail.
- Casting pressure increases during normal riding. Extreme riding can increase the pressure at a quicker rate. Temperature and elevation changes can also cause increased casting pressure.
- Releasing casting pressure can improve overall fork feel and small bump compliance.
- TSR Casting bleed screws also allow the user to perform the 25-hour fork service very quickly.

TSR Casting bleed screws. (Trail Side Relief)

- Using a 2.5mm hex wrench slowly turn the TSR screw counterclockwise to remove it. It is recommended to place a rag below the TSR screw as it is unthreaded. This will catch any lubricant that may escape, along with the TSR screw in case it is dropped.
- Continue to unthread the TSR screw until all air has been released. Removing the TSR screw completely ensures all air has been removed. Do not cycle the fork with the TSR screw removed, this can expel bath oil.
- Inspect the O-ring and reinstall the TSR screw.
- Torque TSR screw to 0,5-0,7 N-M [4-6 LB-in]

25-hour service

The 25-hour fork service requires adding 5-7cc of bath oil to the lowers of the fork. This service is only to be performed one time between 50-hour bath oil services. Adding more than 5-7cc of oil or performing this service more than once per lower leg service can overfill the bath oil and cause damage to the fork. This service is only designed for TSR casting forks, the user should never perform this service to a Dorado with TSR top cap bleeder screws.

25-hour service with TSR Casting bleed screws

Required Tools

- Safety Glasses
- Lint-Free Rags
- Semi-bath Oil, 5/40w Synthetic – Manitou Part number 85-0023
- Manitou Syringe – Recommended Manitou Part number 141-30694-K020
- 2.5mm hex wrench

Service steps

- Remove front wheel from the bicycle and cover front brake caliper with a clean rag.
- Clean back of fork around the TSR screws.

- Using a 2.5mm hex wrench slowly turn the TSR screw counterclockwise to remove it. It is recommended to place a rag below the TSR screw as it is unthreaded. This will catch any lubricant that may escape, along with the TSR screw in case it is dropped.
- Remove the TSR screw. Insect O-ring and set aside. Do not cycle the fork with the TSR screw removed, this can expel bath oil.
- Fill a Manitou syringe with 5cc of bath oil
- With a rag below the syringe to catch any drips, thread the syringe into casting, slowly inject 5cc of oil.
- Remove the syringe, re-install TSR bleed screw
- Torque TSR screw to 0,5-0,7 N-M [4-6 LB-in]
- Repeat these steps on both sides of the fork

25 Hour fork service

Required Tools

- Safety Glasses
- Lint-Free rags
- Isopropyl Alcohol
- Torque Wrench
- 2mm Hex Wrench
- 8mm Hex Wrench
- 14mm Box End Wrench
- 8mm Thin Wall Socket (Recommended Manitou Tool Kit Part Number 172-31133)
- Shock Pump
- Semi-Bath Oil, 5/40w Synthetic – Manitou Part Number 85-0022
- Syringe (Recommended Cartridge Damper Bleed Kit Manitou Part Number 141-30694-K020)

Service Steps

- Remove front wheel from the bicycle and cover front brake caliper with a clean rag.
- Position fork at an angle so oil will not drain out the bottom.
- Use Steps 1-4 in Mezzler service guide casting removal.
- Gently slide casting down approximately 10mm, only enough to inject bath oil through the holes in the bottom of the casting.
- Inject 5-7cc of bath oil into each casting leg.
- Use steps 6-8 in Mezzler service guide casting install
- Reset fork pressure, clean bottom of the fork with Isopropyl Alcohol, install front wheel, go ride!