# 2020-2024 BMW X3 M Competition - Replace

**2020-2024 BMW X3 M | Advanced | 1-2 hours | $22 DIY**

**TOOLS**

14mm Hex Socket  Oil Extractor Pump  Flexible Flat Funnel  Oil Drain Pan  Jack Stands

**PARTS**

BMW Hypoid Axle Oil G5 83222447362 $20.00
Differential Drain Plug O-Ring 33 11 1 214 064 $2.00

## STEPS

1. **Confirm fluid spec and warm the differential - Drive briefly to warm the oil so it drains** better, then park the BMW X3 M on level ground. Wear gloves and eye protection.
2. **Safely raise and support the vehicle - Jack the vehicle and support it on jack stands so** the differential is level. Chock the wheels that remain on the ground. Place a drain pan under the differential cover or drain plug.
3. **Remove the fill plug first - Always crack the fill plug loose before draining. If you** cannot open the fill plug, do not drain - you may be unable to refill. Keep the crush washer/gasket for replacement if required.
4. **Drain the old gear oil - Remove the drain plug (or carefully loosen the cover bolts,** leaving two upper bolts snug until oil slows, if your axle uses a cover without a drain). Let oil drain fully.
5. **Reinstall drain and refill - Reinstall the drain plug with a new washer if specified and** torque to spec (or reseal/reinstall the cover with the correct RTV/gasket pattern). Add friction modifier if required for LSD units.
6. **Close up, lower, and check for leaks - Reinstall the fill plug with a new washer if** needed and torque to spec. Lower the vehicle. Take a short drive, then recheck for seepage at the plug/cover. Recycle used gear oil - do not dump it.

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