

BG Products Ultra-Guard LS Kit Instructions

What You'll Need:

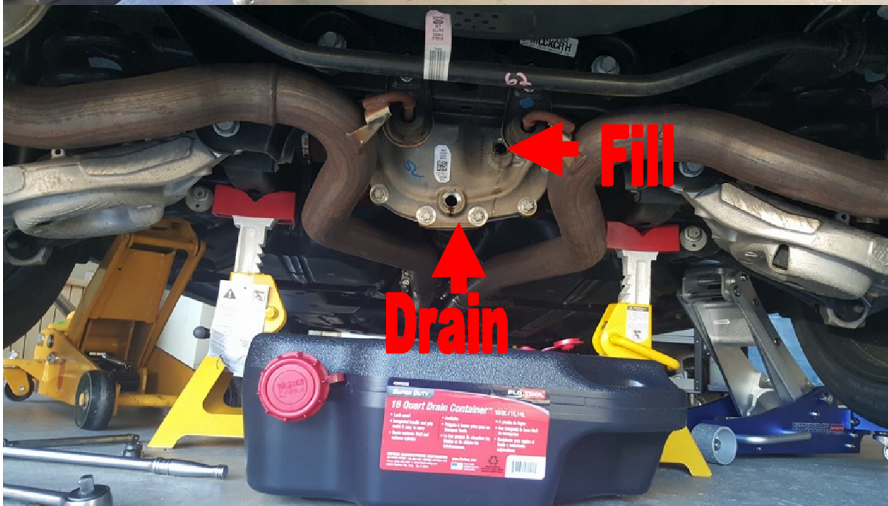
Floor Jack, Jack Stands and or Ramps, rags, drain pan, 3/8" Ratchet.

For best results drive vehicle for 20 minutes to allow fluids to come up to temperature.



On a flat level surface, raise car only high enough to allow yourself to slide under it. Jack Stands and Ramps work well. **DO NOT JACK UP THE VEHICLE BY THE REAR DIFFERENTIAL**

You can raise the car from the factory jacking points in the Owners Manual or at the front by the engine cross-member. The rear can be raised by the control arms or using a cross beam on a floor jack by the cross-member on either side of the differential. The location of the Jack Stands in this



second photo provide a secure place for raising the vehicle with a cross-beam or supporting the car with jack stands if not using the rocker panel pinch welds. Visually inspect that the vehicle is sitting level, as it would when sitting on the ground, this is critical for accurate fluid draining and filling.

After safely raising vehicle, you will need a 3/8" drive ratchet, rags and a suitable drain pan. Wipe off any dirt or debris from the differential cover and using the ratchet slowly loosen the fill plug. The fill plug is near the Passenger side exhaust hanger. Some residual oil may run out but if differential level was previously correct only a small amount of oil should be present.

The drain plug is located at the bottom center of the differential cover just above the two lower cover bolts. Using the ratchet again slowly remove the drain plug, just before the plug is all the way out hold the drain pan as close as possible to minimize oil splash. Carefully remove the plug, and drain, after the initial fluid drains the pan can be set on the floor. Let it drip drain for 5-10 minutes.

While the old fluid is draining inspect the drain plugs. It is normal to find metal stuck to the magnets. Wipe them clean and remove any loose thread sealant. Apply 2-3 wraps of the supplied thread sealant tape to the threads, being careful not to get any on the inside surface of the plug.



Take a rag and wipe any residual oil from the drain oil threads and re-install the drain plug. **DO NOT OVERTIGHTEN! MAX TORQUE IS 25FT/LBS.** If you do not have access to a torque wrench simply tighten plug with light to firm pressure.

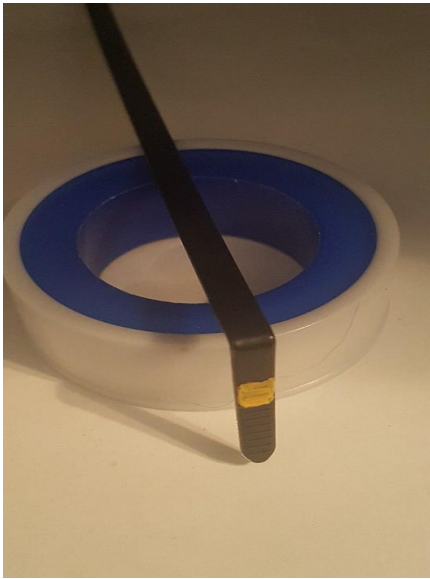


The kit you receive may have two different suction tubes; install the shorter one firmly into the pump. Open the container of Ultra-Guard and carefully remove the foil seal making sure to not let it drop into the container.

Screw pump onto bottle firmly.

Insert hose into fill-hole using care to maneuver hose so it fully enters the differential.

Begin pumping new oil into the differential; the container supplied contains approximately 7oz of extra fluid. The pump will eventually begin picking up air. Stop, remove the hose and using supplied pre-marked plastic tie wrap,



check to see where the level is. The idea is to insert into the housing to gauge the level. You want to maintain approximately 9mm (roughly just under 3/8") below the bottom of the fill hole.

After the pump begins picking up air, tip the container so fluid continues to supply pump. Slowly install fluid to specified level. **Do not attempt to install all fluid.**

Install Fill Plug in the same manner as the drain plug earlier. Safely lower vehicle to ground and drive slowly for 100' before applying excessive power to vehicle. This allows the new fluid to circulate in housing and protect your investment. The supplied bag can be used to store the pump for future use.

Important Notes:

Always use caution while raising vehicle.

Always use Jack Stands or Ramps.

Always dispose of used oil according to your local laws. Most Municipalities provide oil collection centers as do most auto parts locations.

The Factory Fill QTY is typically 1.5L plus and additional 4oz of Friction Modifier. Ultra-Guard LS already contains all the additives required for Limited Slip type axles. Do not install additives with this product.

Product Information:

<https://www.bgprod.com/catalog/drive-line/bg-ultra-guard-ls-full-synthetic-gear-lubricant/-bg-product-1>

Thank you for your business!