

2016-2019 Cadillac ATS-V | Moderate | 45-60 minutes

TOOLS

Ramps or jack and stands Torx/7mm socket for splash shield Wrench set Oil-filter cap wrench Drain pan (7+ quart) Funnel Rags Gloves

PARTS

5W-30 dexos full-synthetic oil (6 quarts)
Cartridge oil filter element with O-ring

STEPS

- 1 Warm the twin-turbo V6 and lift the car level - Idle the ATS-V for 2-3 minutes so the 3.6L twin-turbo's oil drains quickly, then shut it off. Because the car sits low and needs to stay level for an accurate fill, drive it onto ramps or lift all four corners evenly. Set the parking bra...**
- 2 Remove the underbody splash shield - The ATS-V has a large belly pan covering the oil pan** - remove its Torx or 7mm screws and lower it carefully. Keep track of the fasteners; they are easy to lose. With the shield off, the oil drain plug and filter housing are accessible.
- 3 Drain the oil from the pan - Remove the oil fill cap on the cam cover to vent the crankcase.** Position a large drain pan under the plug, loosen it with a wrench, and remove it by hand. The LF4 holds 6 quarts, so allow a full 10-15 minutes for the turbo oil lines to d...
- 4 Replace the cartridge oil filter - Unscrew the plastic cartridge filter housing cap - on the 3.6L it is accessed from above or below depending on model year, so locate it before draining.** Pull the old cartridge element out, discard it, and wipe the housing clean. Lubricat...
- 5 Reinstall the drain plug and refill - Thread the drain plug in by hand and snug it with a wrench - the pan threads are delicate.** Pour in 6 quarts of 5W-30 dexos-approved full synthetic through the fill tube. Reinstall the fill cap.
- 6 Check for leaks and verify the level - Start the engine and let it idle for a minute** while you watch the drain plug and filter housing for drips. Shut it off, wait 2 minutes, then check the dipstick - the twin-turbo engine must read at the full mark, not over. Top up in small...
- 7 Reinstall the splash shield and reset the monitor - Refit the belly pan and tighten all its screws so it does not flap at speed.** Reset the oil-life monitor via the steering-wheel controls in the driver information center. Lower the car and take a short drive, then recheck the level once mor...
- 8 Recycle the used oil - Pour the used synthetic oil into sealed containers and bag the old filter element.** Most auto-parts stores accept both for free recycling. Log the mileage - the turbocharged LF4 is hardest on oil, so do not stretch intervals beyond the mo...