

Ford F-150 (2015-2020) Oil Change Guide

FREE SAMPLE from the Complete DIY Repair Manual

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Difficulty: Easy

Time Required: 30-45 minutes

Cost Savings: \$55-75 per oil change

What You'll Need

Tools Required:

- ✓ Oil filter wrench
- ✓ Socket wrench set (13mm socket for drain plug)
- ✓ Oil drain pan (6+ quart capacity)
- ✓ Funnel
- ✓ Jack and jack stands OR ramps
- ✓ Wheel chocks
- ✓ Latex gloves
- ✓ Shop towels

Materials Needed:

- ✓ Engine oil (see specifications below)
 - ✓ Oil filter (Motorcraft FL-820-S recommended)
 - ✓ Drain plug washer (if needed)
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Oil Specifications by Engine Type

Engine	Oil Type	Capacity (with filter)
3.5L V6	5W-20 or 5W-30	6.0 quarts
2.7L EcoBoost	5W-30	6.0 quarts
3.5L EcoBoost	5W-30	6.0 quarts
5.0L V8	5W-20 or 5W-30	7.7 quarts

Recommended Oil: Full synthetic (Motorcraft, Mobil 1, or Pennzoil Platinum)

Step-by-Step Instructions

Step 1: Prepare Your Truck

1. Park on level ground
2. Engage parking brake
3. Place wheel chocks behind rear tires
4. Let engine cool for 10-15 minutes (warm, not hot)
5. Raise front of truck with jack and secure with jack stands OR drive onto ramps

⚠ SAFETY: Never work under a vehicle supported only by a jack!

Step 2: Locate and Remove Drain Plug

1. Crawl under the front of the truck
2. Locate the oil pan (large metal pan at bottom of engine)
3. Find the drain plug (13mm bolt at lowest point of oil pan)
4. Position drain pan directly under drain plug
5. Using 13mm socket, loosen drain plug counterclockwise
6. Remove plug by hand once loose (oil will start flowing)

7. Let oil drain completely (5-10 minutes)

 **TIP:** The oil will come out at an angle, so position your drain pan accordingly!

Step 3: Remove Old Oil Filter

1. Locate oil filter (driver's side of engine, near front)
2. Position drain pan under filter
3. Use oil filter wrench to loosen filter counterclockwise
4. Unscrew by hand once loose
5. Let remaining oil drain from filter housing

 **TIP:** The filter will be full of oil, so keep it upright as you remove it!

Step 4: Install New Oil Filter

1. Apply thin layer of clean oil to rubber gasket on new filter
2. Screw new filter on by hand clockwise
3. Tighten until gasket contacts the mounting surface
4. Turn an additional $\frac{3}{4}$ turn (hand tight only - DO NOT use wrench)

 **WARNING:** Over-tightening can damage the filter!

Step 5: Replace Drain Plug

1. Inspect drain plug washer for damage
 2. Replace washer if crushed or damaged
 3. Clean drain plug threads with shop towel
 4. Thread drain plug in by hand to avoid cross-threading
 5. Tighten with socket wrench (snug, not over-tight)
 6. Torque spec: 19-27 ft-lbs (if using torque wrench)
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Step 6: Add New Oil

1. Lower truck to ground
 2. Open hood and locate oil filler cap (marked with oil can symbol)
 3. Remove oil filler cap
 4. Insert funnel
 5. Pour in specified amount of oil (see table above)
 6. Leave about 0.5 quarts out initially
 7. Replace oil filler cap
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Step 7: Check Oil Level

1. Start engine and let run for 30 seconds
2. Shut off engine
3. Wait 2 minutes for oil to settle
4. Pull out dipstick, wipe clean, reinsert fully
5. Pull out again and check level
6. Oil should be between MIN and MAX marks
7. Add remaining oil as needed (0.5 quarts at a time)

 **TIP:** It's better to be slightly under than over!

Step 8: Check for Leaks

1. Start engine and let idle for 2 minutes
 2. Crawl under truck and inspect:
 - Drain plug area
 - Oil filter area
 3. Look for any drips or seepage
 4. If leaking, shut off engine and tighten as needed
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Step 9: Reset Oil Life Monitor

1. Turn ignition to ON (don't start engine)
2. Press accelerator pedal 3 times within 10 seconds
3. Turn ignition OFF
4. Oil life should reset to 100%

Alternative method (with touchscreen):

1. Go to Settings > Vehicle > Oil Life Reset
 2. Select "Reset"
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Disposal of Used Oil

 **IMPORTANT:** Never pour used oil down drains or on ground!

- Collect used oil in sealed container
 - Take to auto parts store (AutoZone, O'Reilly's, etc.) for FREE recycling
 - Most stores also accept used oil filters
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Cost Breakdown

Item	DIY Cost	Shop Cost
Oil (6 qts synthetic)	\$30-40	Included
Oil filter	\$8-12	Included
Your Cost	\$38-52	\$95-130
Savings per change	\$55-75	-
Annual savings (2x/year)	\$110-150	-

Common Mistakes to Avoid

- ✘ **Over-tightening drain plug** - Can strip threads in oil pan (\$\$\$)
 - ✘ **Using wrong oil type** - Can damage EcoBoost engines
 - ✘ **Not replacing filter** - Defeats purpose of oil change
 - ✘ **Overfilling oil** - Can damage engine seals
 - ✘ **Forgetting to reset oil life** - Inaccurate maintenance tracking
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Video Tutorial

 Watch the full video walkthrough:

[YouTube: F-150 Oil Change Tutorial](#)

This is Just 1 of 25+ Repair Guides!

What's Included in the Full Manual:

✔ 10 Essential Maintenance Procedures

- Oil changes (you just read this!)
- Air filter replacement
- Cabin air filter replacement
- Tire rotation
- Brake fluid flush
- Coolant flush
- Transmission fluid service
- Spark plug replacement
- Battery replacement
- Serpentine belt replacement

✔ 15 Common Repairs

- Brake pad replacement
- Brake rotor replacement
- Alternator replacement
- Starter replacement
- Thermostat replacement
- Water pump replacement
- Oxygen sensor replacement
- And 8 more...

Bonus Content

- 25+ embedded video tutorials
- Printable checklists for each repair
- Torque specifications chart
- Fluid capacity reference
- Maintenance schedule
- Troubleshooting guide

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Questions?

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