SAC

Springfield Auto Care EXAMPLE SHOP

service@springfield-auto-care.example

TECHNICIAN WORKSHEET · 3.5L ECOBOOST
RA-ECOBOOST35-A12345-20261028

2018 Ford F-150 · F-150 SuperCrew 4x4, 10-speed · 4x4

1FTEW1EG6JFA12345

ODOMETER IN	DOOR-JAMB BUILD (MM/YY)	RO #	TECHNICIAN / DATE
86,000			

A · RECALLS AND CAMPAIGNS TO VERIFY (DEALER PRINTOUT OR NHTSA.GOV)

17V-672 · Cylinder heads machined without oil holes (2018 3.5L)	☐ Open ☐ Done ☐ N/A
18V-392 · Fuel leak at the fuel pump (fire risk)	☐ Open ☐ Done ☐ N/A
22V-150 · Brake fluid leak into the booster	☐ Open ☐ Done ☐ N/A
25V-236 · Brakes · master cylinder	☐ Open ☐ Done ☐ N/A
21V-983 · Tailgate · latch	☐ Open ☐ Done ☐ N/A
21V-155 · Tires	☐ Open ☐ Done ☐ N/A
19V-633 · Seats · recliner	☐ Open ☐ Done ☐ N/A
19V-278 · Engine · block heater	☐ Open ☐ Done ☐ N/A
18V-894 · Engine · block heater	☐ Open ☐ Done ☐ N/A
18V-568 · Seat belts · pretensioner	☐ Open ☐ Done ☐ N/A
18V-214 · Automatic transmission · gear indicator	☐ Open ☐ Done ☐ N/A
18V-213 · Automatic transmission	☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. Timing chains and cam phasers

Check now · Inside the range (59,000–103,000 mi, the middle half of 565 owner reports)

Cold-start listen after the truck has sat overnight ☐ OK ☐ Watch ☐ Fix

Cam/crank correlation values ☐ OK ☐ Watch ☐ Fix

Start-up rattle: none / brief / long

Scan for: P0016, P0017, P0018, P0019, P0008

Parts (P552): Ask your parts supplier for the OE part number for this VIN.

2. Water pump

Check now · Inside the range (Pumps reported to last about 80k–150k)

Cooling-system pressure test ☐ OK ☐ Watch ☐ Fix

Coolant level history ☐ OK ☐ Watch ☐ Fix

Coolant: holds / drops

Parts (P552): Ask your parts supplier for the OE part number for this VIN.

3. Turbo wastegates

Watch · Any mileage (no reliable figure)

Wastegate linkage play ☐ OK ☐ Watch ☐ Fix

Boost codes ☐ OK ☐ Watch ☐ Fix

Scan for: P0299, P0234, P0243, P0244

Parts (P552): Ask your parts supplier for the OE part number for this VIN.

4. Fuel injectors

Watch · Any mileage (no reliable figure)

Misfire counters ☐ OK ☐ Watch ☐ Fix

Injector balance ☐ OK ☐ Watch ☐ Fix

Scan for: P0300, P0301, P0316

Parts (P552): Ask your parts supplier for the OE part number for this VIN.

5. Oil pan leak — Watch · Any mileage (2015-on trucks; no mileage figure)

Seep at the oil pan ☐ OK ☐ Watch ☐ Fix

Leak: dry / damp / wet

Parts (P552): Ask your parts supplier for the OE part number for this VIN.

FACTORY MAINTENANCE DUE BY 116,000 MI (ASK FOR RECORDS)

Spark plugs · every 100,000 mi · at 100,000 mi · $349 ☐ Done (records) ☐ Due ☐ Quoted

Engine coolant · first at 100,000 mi, then every 50,000 mi or 3 years · due by age: 6-year limit passed (check records) · From $179 ☐ Done (records) ☐ Due ☐ Quoted

C · ALSO REPORTED FOR THE 3.5L ECOBOOST, QUICK CHECKS

- **Brake fluid leak (recall)** (197 complaints): Covered by recalls 22V-150 and 25V-236; check they are done.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. Timing chains and cam phasers
On 2011–2016 engines the timing chains stretch; on 2017–2020 engines the cam phasers rattle on cold starts. At 86,000 mi your car is in the mileage range where owners report it. Our price is $2,600, before tax and shop supplies.
Ask: have you noticed rattle for a few seconds at a cold start, or loss of low-end power?

2. Water pump
The water pump sits behind the timing cover and is driven by the timing chain, so a replacement is a big job. At 86,000 mi your car is in the mileage range where owners report it. Our price is $1,500, before tax and shop supplies.
Ask: have you noticed coolant loss with no visible leak, or overheating warning?

Adjust after the inspection. The report is not a diagnosis or a guarantee, so say what the technician found, not what the report predicts.

NOTES FOR THE ADVISOR

Record findings here (OK / Watch / Fix and measurements); the advisor adjusts the quote before the handout is printed or sent.

Reference only. Follow Ford repair procedures and your shop's judgment.