SEA **Springfield Euro Auto** EXAMPLE SHOP
service@springfield-euro-auto.example

TECHNICIAN WORKSHEET · N47/N57/M57
RA-DSL-123456-20261027

2014 BMW 328d · F30 3 Series sedan (N47-family 2.0L diesel) · RWD

WBA3D5C50EK123456

ODOMETER IN	DOOR-JAMB BUILD (MM/YY)	RO #	TECHNICIAN / DATE
96,000			

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

21V-907 · EGR cooler leak (intake manifold can melt; fire risk)	☐ Open ☐ Done ☐ N/A
18V-755 · EGR cooler (first campaign)	☐ Open ☐ Done ☐ N/A
21V-586 · High-pressure fuel pump failure (stall)	☐ Open ☐ Done ☐ N/A
24V-527 · Air bags · driver inflator	☐ Open ☐ Done ☐ N/A
24V-288 · Air bags · side/window	☐ Open ☐ Done ☐ N/A
20V-185 · Driveline · CV joint	☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. EGR cooler and EGR valve (coolant mixes with soot; fire risk)

Check now · Inside the range (Median ~80k; middle half 67k–103k (77 reports))

Coolant loss test	☐ OK ☐ Watch ☐ Fix
Intake manifold condition near the EGR inlet	☐ OK ☐ Watch ☐ Fix
Campaign history	☐ OK ☐ Watch ☐ Fix
Cooler: original / recall-replaced	

Scan for: P2457, EGR codes

Parts (F30): FCP Euro lists EGR coolers for BMW diesels: Mahle Behr 11718576450 at $464.99 (genuine BMW $799.89) and Pierburg 11717823210 at $630.99 (genuine BMW $826.99), and EGR valves 11717810871 from $157.99 (Borg Warner) to $369.99 (genuine BMW), Oct 26, 2026. Which one fits depends on your engine and VIN. Confirm by VIN.

2. Fuel injectors and the high-pressure fuel pump (HPFP)

Check now · Inside the range (Median ~85.65k; middle half 58k–110k (61 reports))

Campaign history for 21V-586	☐ OK ☐ Watch ☐ Fix
Rail pressure	☐ OK ☐ Watch ☐ Fix
Injector correction values	☐ OK ☐ Watch ☐ Fix

Scan for: Rail pressure codes, Injector codes

Parts (F30): We found no reliable FCP Euro listing for the high-pressure fuel pump on Oct 26, 2026, so we show no pump price. FCP Euro lists a Bosch diesel injector (13537808089) at $362.40 each (genuine BMW $679.99), and a set of 6 at $2,714.39 (13537808089KT1); which injector fits depends on your engine and VIN. Confirm by VIN.

3. Exhaust-fluid system (DEF/AdBlue tank, NOx sensors, SCR)

Watch · Any mileage (Median ~78.8k (45 reports))

DEF level and quality	☐ OK ☐ Watch ☐ Fix
Tank heater and pump function	☐ OK ☐ Watch ☐ Fix
NOx sensor readings	☐ OK ☐ Watch ☐ Fix

Scan for: SCR / NOx / DEF codes

Parts (F30): We found no reliable listing for the DEF tank on FCP Euro on Oct 26, 2026, so we show no part price. Confirm part numbers by VIN with a shop or BMW center.

4. Timing chain (reports only; known mainly on older N47 builds)

Watch · Any mileage (12 timing-chain reports (5 N47, 5 N57, 2 M57); only 4 with a mileage: too few to state)

Cold-start noise from the rear of the engine	☐ OK ☐ Watch ☐ Fix
Cam/crank correlation values	☐ OK ☐ Watch ☐ Fix

Scan for: Camshaft / crankshaft correlation

Parts (F30): FCP Euro lists the N47 timing chain kit 13529886258KT (OE supplier) at $1,084.71, Oct 26, 2026. The N47 kit does not fit the six-cylinder engines. Confirm by VIN.

5. Diesel particulate filter (DPF) — Watch · Any mileage (13 DPF or regeneration reports; only 3 with a mileage: too few to state)

DPF differential pressure ☐ OK ☐ Watch ☐ Fix

Soot and ash load ☐ OK ☐ Watch ☐ Fix

Regeneration history ☐ OK ☐ Watch ☐ Fix

Ash load: ____ g

Scan for: DPF / regeneration codes

Parts (F30): We found no FCP Euro listing for the DPF on Oct 26, 2026, so we show no part price. Confirm part numbers by VIN with a shop or BMW center.

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6. NOx sensor failure (2014–2018) — Watch · Any mileage (2014–2018 diesels (N47T / N57T): NOx sensors covered to 10 years / 120,000 miles)

Read NOx sensor and SCR faults ☐ OK ☐ Watch ☐ Fix

Check the VIN for the NOx sensor warranty extension ☐ OK ☐ Watch ☐ Fix

Parts (F30): Ask your parts supplier for the OE part number for this VIN.

FACTORY MAINTENANCE DUE BY 126,000 MI (ASK FOR RECORDS)

Brake fluid · every 2 years · $149 ☐ Done (records) ☐ Due ☐ Quoted

C · ALSO REPORTED FOR THE N47/N57/M57, QUICK CHECKS

- **Air bag system** (99 complaints): Several BMW airbag inflator recalls cover some of these cars; they are listed by VIN in the recall section.
- **Cooling system** (56 complaints): 27 of the 56 also mention the EGR cooler, which carries coolant, so cooling is covered under the EGR item rather than as its own card.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. EGR cooler and EGR valve (coolant mixes with soot; fire risk)
The EGR cooler leaks coolant into the hot exhaust gas; coolant and soot can melt the plastic intake manifold, a fire risk. At 96,000 mi your car is in the mileage range where owners report it. Our price is $1,650, before tax and shop supplies.
Ask: have you noticed coolant loss with no visible leak, or an engine warning light (owners cite code P2457)?

2. Fuel injectors and the high-pressure fuel pump (HPFP)
The high-pressure fuel pump can fail and shed metal through the fuel system, so injectors, rails and lines are replaced too. At 96,000 mi your car is in the mileage range where owners report it. A recall or warranty extension may pay for it: we check the VIN.
Ask: have you noticed A sudden loss of power or an engine that stalls while driving and won't restart, or A drivetrain or engine 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.