SAC **Springfield Auto Care** EXAMPLE SHOP
service@springfield-auto-care.example

TECHNICIAN WORKSHEET · 3.7L POWERTECH V6
RA-FC37-123456-20261028

2007 Jeep Liberty · KJ Liberty Sport 3.7 4x4 · 4WD

1J4GL48K37W123456

ODOMETER IN	DOOR-JAMB BUILD (MM/YY)	RO #	TECHNICIAN / DATE
120,000			

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

18V-278 · Suspension · rear lower control arms	☐ Open ☐ Done ☐ N/A
13V-252 · Fuel tank · rear impact protection	☐ Open ☐ Done ☐ N/A
12V-085 · Suspension · rear lower control arms (salt states)	☐ Open ☐ Done ☐ N/A
07V-089 · Heating and A/C · blower motor	☐ Open ☐ Done ☐ N/A
06V-493 · Brakes · ABS control module software	☐ Open ☐ Done ☐ N/A
06V-341 · Automatic transmission · PCM software	☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. Water pump coolant leak (overheat risk)

Check now · Past the range (48,000–87,000 mi, the middle half of 16 owner reports)

Pressure-test the cooling system	☐ OK ☐ Watch ☐ Fix
Check the water pump weep hole	☐ OK ☐ Watch ☐ Fix

Pump: dry / residue / dripping

Scan for: P0217

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

2. Dropped or loose valve seat

Watch · Any mileage (Typically 80,000–150,000 miles per one repair-estimate site)

Compression test	☐ OK ☐ Watch ☐ Fix
Misfire counters by cylinder	☐ OK ☐ Watch ☐ Fix
Check coolant level and condition	☐ OK ☐ Watch ☐ Fix

Compression: even / one low

Scan for: P0300, P0301, P0302, P0303, P0304, P0305, P0306

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

3. Valve cover gasket leaks and injector wiring faults

Watch · Past the range (67,000–105,000 mi, the middle half of 11 owner reports)

Scan for P0201–P0206	☐ OK ☐ Watch ☐ Fix
Check the gasket connector and wiring nut torque	☐ OK ☐ Watch ☐ Fix

Scan for: P0201, P0202, P0203, P0204, P0205, P0206

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

FACTORY MAINTENANCE DUE BY 150,000 MI (ASK FOR RECORDS)

Spark plugs · every 30,000 mi · at 120,000 mi · $249	☐ Done (records) ☐ Due ☐ Quoted
Engine coolant · every 102,000 mi or 5 years · was due at 102,000 mi and by age (check records) · From $179	☐ Done (records) ☐ Due ☐ Quoted

C · ALSO REPORTED FOR THE 3.7L POWERTECH V6, QUICK CHECKS

- **Body / steering / electrical** (5227 complaints): Liberty window regulator, air bag, steering and brake complaints; not engine faults.
- **Stalling / loss of power** (649 complaints): Mixed causes on the Liberty and trucks: TIPM and electrical faults, alternators, fuel and sensors; not one engine fault.
- **Transmission** (484 complaints): Automatic transmission complaints; not engine faults.
- **Engine fire / wiring** (442 complaints): Mixed: rear-impact fuel tank recall 13V-252 on 2002–2007 Libertys, wiring and electrical fires; 04V-337 is listed as its own item.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. Water pump coolant leak (overheat risk)

Chrysler ran customer satisfaction notification K20 because the water pump on some 2010 Liberty, Nitro and Ram 1500 trucks could leak coolant, and low coolant could damage the engine. At 120,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking. Our price is $610, before tax and shop supplies.

Ask: have you noticed coolant smell, or coolant level dropping?

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.