SAC **Springfield Auto Care** EXAMPLE SHOP
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TECHNICIAN WORKSHEET · 1.6L GAMMA II T-GDI
RA-TUC16T-123456-20261028

2017 Hyundai Tucson · TL Tucson Limited 1.6T AWD (7-speed DCT) · AWD

KM8J3CA22HU123456

ODOMETER IN	DOOR-JAMB BUILD (MM/YY)	RO #	TECHNICIAN / DATE
95,000			

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

20V-543 · Brakes · ABS hydraulic control unit ☐ Open ☐ Done ☐ N/A

Factory powertrain warranty · may still apply (Hyundai usually 10 years or 100,000 mi, original owner). Check the in-service date before quoting engine or transmission work; covered repairs go to a Hyundai dealer. ☐ Covered ☐ Expired ☐ Unknown

16V-628 (7-speed DCT may not move after repeated pedal presses (2016 Tucson)): not listed by NHTSA for MY2017. Confirm on the dealer printout.

B · INSPECTION POINTS, IN PLAN ORDER

1. Dual clutch transmission judder (7-speed DCT)

Check now · Past the range (9,000–59,000 mi, the middle half of 60 owner reports)

- Creep test at walking pace ☐ OK ☐ Watch ☐ Fix
- Scan TCM for DTCs and software level ☐ OK ☐ Watch ☐ Fix
- Judder: none / slight / strong
- Parts (TL): Ask your parts supplier for the OE part number for this VIN.

2. Delayed engagement and hesitation from a stop (DCT software)

Check now · Past the range (7,000–59,000 mi, the middle half of 25 owner reports)

- Check the VIN for open recalls and campaigns ☐ OK ☐ Watch ☐ Fix
- Road test pulling away from a stop ☐ OK ☐ Watch ☐ Fix
- Pull-away: normal / delayed
- Parts (TL): Ask your parts supplier for the OE part number for this VIN.

3. Oil consumption and engine wear

Check now · Inside the range (75,000–118,000 mi, the middle half of 26 owner reports)

- Check oil level and condition ☐ OK ☐ Watch ☐ Fix
- Look for oil leaks first ☐ OK ☐ Watch ☐ Fix
- Listen for knock at warm idle ☐ OK ☐ Watch ☐ Fix
- Oil used per 1,000 miles
- Parts (TL): Ask your parts supplier for the OE part number for this VIN.

4. Airbag control unit fault (2016–2017 Tucson)

Watch · Any mileage (2016–2017 Tucson: airbag control unit covered to 15 years, unlimited miles)

- Read airbag (SRS) codes ☐ OK ☐ Watch ☐ Fix
- Check the VIN for warranty extension TXXQ ☐ OK ☐ Watch ☐ Fix
- Parts (TL): Ask your parts supplier for the OE part number for this VIN.

C · ALSO REPORTED FOR THE 1.6L GAMMA II T-GDI, QUICK CHECKS

- **Stalling / loss of power** (113 complaints): Mixed causes: transmission logic, engine failures and other faults.
- **Engine fire** (13 complaints): Few reports with mixed causes; no engine fire recall covers the 1.6T.
- **Turbocharger** (11 complaints): Owners report failed turbochargers, often after oil loss; no Hyundai program covers them.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. Dual clutch transmission judder (7-speed DCT)

The dry dual clutch can judder, so the car vibrates when pulling away or creeping at low speed. At 95,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking. Our price is $115, before tax and shop supplies. Left until it fails, published repair bills run $380–$640 for the labor alone, parts extra.

Ask: have you noticed shudder or vibration pulling away from a stop, or body vibrates when creeping in traffic?

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2. Delayed engagement and hesitation from a stop (DCT software)

In heat and stop-and-go use, the clutch logic could delay engagement from a stop, and on 2016 Tucsons the car could fail to move after the pedal was pressed and released repeatedly. At 95,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking. A recall or warranty extension may pay for it: we check the VIN.

Ask: have you noticed car hesitates or does not move when pulling into traffic, or long delay before the clutch bites?

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3. Oil consumption and engine wear

Some engines use more oil than expected. At 95,000 mi your car is in the mileage range where owners report it. Our price is $310, before tax and shop supplies.

Ask: have you noticed oil level low between changes, or blue smoke?

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.