

Check engine light illuminate for fine/very fine evaporative emissions leak fault code

| | |
|-------------------|---|
| Topic number | LI47.30-P-072421 |
| Version | 1 |
| Function group | 47.30 - Fuel evaporation control system |
| Date | 2/11/21 |
| Validity | X247 GLB250 and GLB35 |
| Reason for change | |

Complaint

Check engine light illuminated. Purge valve is found to not be sealing closed during leak test.

Fault codes related:

P04427A

P045600

P04567A

Cause

Loose charcoal in system.

Remedy

Check purge valve and charcoal canister for loose charcoal by performing below procedure.

1-Remove purge valve from vehicle and tap on clean sheet of paper. If charcoal dust is found, proceed to step 3.

2-Remove charcoal canister and tap evap line connection of canister on sheet of paper.

3-If loose charcoal is found in either step 1 or 2, the charcoal canister and purge valve should be replaced and evap line blown out gently with compressed air.

If no loose charcoal is found, continue to check system for leaks as guided by XENTRY diagnosis.

| Attachments | |
|------------------------------------|-------------|
| File | Description |
| Loose charcoal.png | |

| WIS-References | | |
|-------------------|--------------------------------|------|
| Document number | Title | Note |
| AR47.30-P-8252MFC | Remove/install the purge valve | - |

XENTRY TIPS

| | | |
|-------------------|--|---|
| AR47.30-P-8212MFD | Remove/install activated charcoal canister | - |
|-------------------|--|---|

Symptoms

Power generation > Engine management > Indicator lamp > Engine diagnosis > lit

Control unit/fault code

| Control unit | Fault text |
|--|---|
| N3/10 - Motor electronics 'MED41' for combustion engine 'M260/M264' (ME) | P045600 - A very fine leak in the evaporative emission control system was detected. _ P04427A - A fine leak in the evaporative emission control system was detected. Leakage or a defective seal was detected. |

Operation numbers/damage codes

| Op. no. | Operation text | Time | Damage code | Note |
|---------|----------------|------|-------------|------|
|---------|----------------|------|-------------|------|