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|  HYUNDAI Technical Service Bulletin | GROUP FUEL SYSTEM | NUMBER 22-FL-006H |
| | DATE SEPTEMBER 2022 | MODEL(S) TUCSON (NX4/NX4a) SANTA CRUZ (NXT) SONATA (DN8/DN8a) SANTA FE (TMa) |
| SUBJECT: ECU AND TCU UPDATE FOR DTC P013E/P0456 | | |

DESCRIPTION: This bulletin provides the procedure to update ECU and TCU of a vehicle experiencing any of the following DTC:

- P013E - O2 Sensor Delayed Response - Rich to Lean Bank 1 Sensor 2
- P0456 - Evaporative System (EVAP) - Very Small Leak

NOTE: This ECU Update also contains a prior update for DTC P2074.

WARNING: These models may experience an automatic ignition shutoff after extended time at ignition On when 12V battery SOC falls below 60% SOC. To avoid ECU update failure, stop and run engine at least 20 minutes in event a Battery Warning is seen at start of the ECU Update attempt. It is best to run stock vehicles before ECU update attempt, as they are more likely to be low on SOC.

APPLICABLE VEHICLES: Certain 2022 Tucson (NX4A / NX4), Santa Cruz (NXT), Santa Fe (TMa) and Sonata (DN8 / DN8a) vehicles equipped with 2.5L GDI engine and 8-Speed transmission.

GDS INFORMATION: System Selection: **Engine:**

| Event # | Description |
|---------|---|
| 854 | NX4AT THETA3 2.5GDI ECU S/W IMPROVEMENT FOR DTC P013E / P0456 |
| 855 | NX4 THETA3 2.5GDI ECU S/W IMPROVEMENT FOR DTC P013E / P0456 |
| 856 | NX4a THETA3 2.5GDI ECU S/W IMPROVEMENT FOR DTC P013E / P0456 |
| 863 | DN8a THETA3 2.5GDI ECU S/W IMPROVEMENT FOR DTC P013E / P0456 |
| 853 | DN8 THETA3 2.5GDI ECU S/W IMPROVEMENT FOR DTC P013E / P0456 |
| 857 | TMa THETA3 2.5GDI ECU S/W IMPROVEMENT FOR DTC P013E / P0456 |

NOTE: For these GDS events, **NX4AT = Santa Cruz**

GDS INFORMATION: System Selection: **A/T:**

| Event # | Description |
|---------|---|
| 776 | NX4 NX4a THETA 2.5GDI 8AT ROUGH SHIFT AND HESITATION IMPROVED LOGIC (TCU) |
| 784 | NX4AT 2.5GDI 8AT ROUGH SHIFT AND HESITATION IMPROVED LOGIC (TCU) |
| 774 | DN8a THETA 2.5GDI 8AT ROUGH SHIFT AND HESITATION IMPROVED LOGIC (TCU) |
| 782 | DN8 THETA 2.5GDI 8AT ROUGH SHIFT AND HESITATION IMPROVED LOGIC (TCU) |
| 772 | TMa THETA 2.5GDI 8AT ROUGH SHIFT AND HESITATION IMPROVED LOGIC (TCU) |

***NOTE :** For these GDS events, **NX4AT = Santa Cruz**

WARRANTY INFORMATION:

| Model | Op Code | Operation | Op Time | Causal Part | Nature Code | Cause Code |
|----------------------|----------|----------------------|---------|---|-------------|------------|
| Santa Cruz (NXT) | 20D063R0 | ECU + TCU UPGRADE | 0.6 M/H | 954A1-2N460 | I3T | ZZ3 |
| Tucson (NX4a/NX4) | 20D063R1 | | 0.6 M/H | 39110-2S280 (NX4a) 39110-2S101 (NX4) | | |
| Sonata (DN8/DN8a) | 20D063R2 | | 0.6 M/H | 39116-2M013 | | |
| Santa Fe (TMa) | 20D063R3 | | 0.6 M/H | 39110-2S274 | | |

NOTE 1: Submit claim on Campaign Claim Entry Screen.

NOTE 2: If a part is found in need of replacement while performing the Service Campaign and the affected part is still under warranty, submit a separate claim using the same repair order. If the affected part is out of warranty, submit a Prior Approval request for goodwill consideration prior to the repair.

SERVICE PROCEDURE:

NOTICE

You must initially perform GDS ECU and TCU Update in Auto Mode.

- If the ECU or TCU Update starts but then fails in Auto Mode, disconnect the battery cables and touch the cables together for one minute. Reconnect the battery cables, attach a battery charger and perform the update in Manual Mode to recover.
- Refer to the General Instructions found in TSB 15-GI-001 (GDS Mobile).

WARNING

GDS-M Vehicle Battery Low Voltage Warning:

When the vehicle battery is lower than 12 volts, the GDS-M will trigger a Low Battery Voltage Warning. If this Warning occurs,

A. Connect the battery to a fully charged battery jump pack or GR8 charger using “Power Supply Mode” to continue the software update.

OR

B. Select “BACK” to exit the SW update. Then, start the engine and idle with the headlights on for 20 minutes. Return to the SW update after charging the battery.



1. Perform ECU Update in Auto mode.
2. Perform TCU Update in Auto mode if the update applies to the particular vehicle.

NOTE: Some NX4/NX4a vehicles may have previously had this TCU Update done.

3. Check for Diagnostic Trouble Codes and erase any DTC found.

Santa Cruz (NXT):

NXT ECU ROM ID TABLE - Event 854:

| MODEL | Part No. | ROM ID | |
|--------|-------------|--|------------------|
| | | OLD | NEW |
| NX4 AT | 39100-2S171 | NTDWN5GMFXXXXK5A NTDWN5GMFXXXXK5B NTDWN5GMFXXXXK5C | NTDWN5GMFXXXXK5D |
| | 39100-2S177 | NTDWN5GKFXXXXK5A NTDWN5GKFXXXXK5B NTDWN5GKFXXXXK5C | NTDWN5GKFXXXXK5D |
| | 39100-2S172 | NTDWN5GSFXXXXK5A NTDWN5GSFXXXXK5B NTDWN5GSFXXXXK5C | NTDWN5GSFXXXXK5D |
| | 39100-2S173 | NTDWN5GMGXXXXK5A NTDWN5GMGXXXXK5B NTDWN5GMGXXXXK5C | NTDWN5GMGXXXXK5D |
| | 39100-2S178 | NTDWN5GKGXXXXK5A NTDWN5GKGXXXXK5B NTDWN5GKGXXXXK5C | NTDWN5GKGXXXXK5D |
| | 39100-2S174 | NTDWN5GSGXXXXK5A NTDWN5GSGXXXXK5B NTDWN5GSGXXXXK5C | NTDWN5GSGXXXXK5D |

TCU ROM ID TABLE - Event 784:

| MODEL | Part No. | ROM ID | |
|--------|-------------|------------------|------------------|
| | | OLD | NEW |
| NX4 AT | 954A1-2N450 | WNX4T25X2X730NS0 | WNX4T25X2X800NS2 |
| | | WNX4T25X2X800NS1 | |
| | 954A1-2N460 | WNX4T25X4X730NS0 | WNX4T25X4X800NS2 |
| | | WNX4T25X4X800NS1 | |

Tucson NX4 and NX4a:

NX4 ECU ROM ID TABLE - Event 855: (VINs begin with KM8)

| MODEL | Part No. | ROM ID | |
|-------|-------------|---|-----------------|
| | | OLD | NEW |
| NX4 | 39100-2S262 | NXDWD5GMAXXXJ0A NXDWD5GMAXXXJ1A NXDWD5GMAXXXJ1B NXDWD5GMAXXXL6A NXDWD5GMAXXXL6B | NXDWD5GMAXXXL8A |

| | | |
|-------------|--|------------------|
| 39100-2S263 | NXDWD5GMCXXXXJ0A NXDWD5GMCXXXXJ1A NXDWD5GMCXXXXJ1B NXDWD5GMCXXXXL6A NXDWD5GMCXXXXL6B | NXDWD5GMCXXXXL8A |
| 39100-2S264 | NXDWD5GKAXXXJ1A NXDWD5GKAXXXJ1B NXDWD5GKAXXXL6A NXDWD5GKAXXXL6B | NXDWD5GKAXXXL8A |
| 39100-2S265 | NXDWD5GKCXXXXJ1A NXDWD5GKCXXXXJ1B NXDWD5GKCXXXXL6A NXDWD5GKCXXXXL6B | NXDWD5GKCXXXXL8A |
| 39100-2S266 | NXDWD5GSAXXXJ0A NXDWD5GSAXXXJ1A NXDWD5GSAXXXJ1B NXDWD5GSAXXXL6A NXDWD5GSAXXXL6B | NXDWD5GSAXXXL8A |
| 39100-2S267 | NXDWD5GSCXXXXJ0A NXDWD5GSCXXXXJ1A NXDWD5GSCXXXXJ1B NXDWD5GSCXXXXL6A NXDWD5GSCXXXXL6B | NXDWD5GSCXXXXL8A |
| 39100-2S268 | NXDWD5GMJXXXXJ0A NXDWD5GMJXXXXJ1A NXDWD5GMJXXXXJ1B NXDWD5GMJXXXXL6A NXDWD5GMJXXXXL6B | NXDWD5GMJXXXXL8A |
| 39100-2S269 | NXDWD5GMKXXXXJ0A NXDWD5GMKXXXXJ1A NXDWD5GMKXXXXJ1B NXDWD5GMKXXXXL6A NXDWD5GMKXXXXL6B | NXDWD5GMKXXXXL8A |
| 39100-2S270 | NXDWD5GKJXXXXJ1A NXDWD5GKJXXXXJ1B NXDWD5GKJXXXXL6A NXDWD5GKJXXXXL6B | NXDWD5GKJXXXXL8A |
| 39100-2S271 | NXDWD5GKKXXXXJ1A NXDWD5GKKXXXXJ1B NXDWD5GKKXXXXL6A NXDWD5GKKXXXXL6B | NXDWD5GKKXXXXL8A |
| 39100-2S272 | NXDWD5GSJXXXXJ0A NXDWD5GSJXXXXJ1A NXDWD5GSJXXXXJ1B NXDWD5GSJXXXXL6A NXDWD5GSJXXXXL6B | NXDWD5GSJXXXXL8A |
| 39100-2S273 | NXDWD5GSKXXXXJ0A NXDWD5GSKXXXXJ1A NXDWD5GSKXXXXJ1B NXDWD5GSKXXXXL6A NXDWD5GSKXXXXL6B | NXDWD5GSKXXXXL8A |

NX4a ECU ROM ID TABLE – Event 856: (VINs begin with 5NM)

| MODEL | Part No. | ROM ID | |
|-------|-------------|--|------------------|
| | | OLD | NEW |
| NX4a | 39110-2S280 | NADWN5GMFXXXXJ1A NADWN5GMFXXXXJ1B NADWN5GMFXXXXL6A NADWN5GMFXXXXL6B | NADWN5GMFXXXXL8A |
| | 39110-2S281 | NADWN5GMGXXXXJ1A NADWN5GMGXXXXJ1B NADWN5GMGXXXXL6A NADWN5GMGXXXXL6B | NADWN5GMGXXXXL8A |
| | 39110-2S282 | NADWN5GMJXXXXJ1A NADWN5GMJXXXXJ1B NADWN5GMJXXXXL6A NADWN5GMJXXXXL6B | NADWN5GMJXXXXL8A |
| | 39110-2S283 | NADWN5GMHXXXXJ1A NADWN5GMHXXXXJ1B NADWN5GMHXXXXL6A NADWN5GMHXXXXL6B | NADWN5GMHXXXXL8A |
| | 39110-2S284 | NADWN5GMIXXXXJ1A NADWN5GMIXXXXJ1B NADWN5GMIXXXXL6A NADWN5GMIXXXXL6B | NADWN5GMIXXXXL8A |
| | 39110-2S285 | NADWN5GMKXXXXJ1A NADWN5GMKXXXXJ1B NADWN5GMKXXXXL6A NADWN5GMKXXXXL6B | NADWN5GMKXXXXL8A |
| | 39110-2S286 | NADWN5GSFXXXXJ1A NADWN5GSFXXXXJ1B NADWN5GSFXXXXL6A NADWN5GSFXXXXL6B | NADWN5GSFXXXXL8A |
| | 39110-2S287 | NADWN5GSGXXXXJ1A NADWN5GSGXXXXJ1B NADWN5GSGXXXXL6A NADWN5GSGXXXXL6B | NADWN5GSGXXXXL8A |
| | 39110-2S288 | NADWN5GSJXXXXJ1A NADWN5GSJXXXXJ1B NADWN5GSJXXXXL6A NADWN5GSJXXXXL6B | NADWN5GSJXXXXL8A |
| | 39110-2S289 | NADWN5GSHXXXXJ1A NADWN5GSHXXXXJ1B NADWN5GSHXXXXL6A NADWN5GSHXXXXL6B | NADWN5GSHXXXXL8A |
| | 39110-2S290 | NADWN5GSIXXXXJ1A NADWN5GSIXXXXJ1B NADWN5GSIXXXXL6A NADWN5GSIXXXXL6B | NADWN5GSIXXXXL8A |
| | 39110-2S291 | NADWN5GSKXXXXJ1A NADWN5GSKXXXXJ1B NADWN5GSKXXXXL6A NADWN5GSKXXXXL6B | NADWN5GSKXXXXL8A |
| | 39110-2S292 | NADWN5GKFXXXXJ1A NADWN5GKFXXXXJ1B NADWN5GKFXXXXL6A NADWN5GKFXXXXL6B | NADWN5GKFXXXXL8A |

| | | |
|-------------|--|------------------|
| 39110-2S293 | NADWN5GKGXXXXJ1A NADWN5GKGXXXXJ1B NADWN5GKGXXXXL6A NADWN5GKGXXXXL6B | NADWN5GKGXXXXL8A |
| 39110-2S294 | NADWN5GKJXXXXJ1A NADWN5GKJXXXXJ1B NADWN5GKJXXXXL6A NADWN5GKJXXXXL6B | NADWN5GKJXXXXL8A |
| 39110-2S295 | NADWN5GKHXXXXJ1A NADWN5GKHXXXXJ1B NADWN5GKHXXXXL6A NADWN5GKHXXXXL6B | NADWN5GKHXXXXL8A |
| 39110-2S296 | NADWN5GKIXXXXJ1A NADWN5GKIXXXXJ1B NADWN5GKIXXXXL6A NADWN5GKIXXXXL6B | NADWN5GKIXXXXL8A |
| 39110-2S297 | NADWN5GKKXXXXJ1A NADWN5GKKXXXXJ1B NADWN5GKKXXXXL6A NADWN5GKKXXXXL6B | NADWN5GKKXXXXL8A |

NX4 and NX4a TCU ROM ID TABLE – Event 776:

| MODEL | Part No. | ROM ID | |
|-----------------|------------------|------------------|------------------|
| | | OLD | NEW |
| NX4 NX4a | 39110-2S280 | TNX4G25X0XSC1SS2 | TNX4G25X0XSC2SS3 |
| | 39110-2S281 | TNX4G25X0XSC1SS2 | TNX4G25X0XSC2SS3 |
| | 39110-2S282 | TNX4G25X4XSC1SS2 | TNX4G25X4XSC2SS3 |
| | 39110-2S283 | SNX4G25X0XSC1SS2 | SNX4G25X0XSC2SS3 |
| | 39110-2S284 | SNX4G25X0XSC1SS2 | SNX4G25X0XSC2SS3 |
| | 39110-2S285 | SNX4G25X4XSC1SS2 | SNX4G25X4XSC2SS3 |
| | 39110-2S286 | TNX4G25X0XSC1SS2 | TNX4G25X0XSC2SS3 |
| | 39110-2S287 | TNX4G25X0XSC1SS2 | TNX4G25X0XSC2SS3 |
| | 39110-2S288 | TNX4G25X4XSC1SS2 | TNX4G25X4XSC2SS3 |
| | 39110-2S289 | SNX4G25X0XSC1SS2 | SNX4G25X0XSC2SS3 |
| | 39110-2S290 | SNX4G25X0XSC1SS2 | SNX4G25X0XSC2SS3 |
| | 39110-2S291 | SNX4G25X4XSC1SS2 | SNX4G25X4XSC2SS3 |
| | 39110-2S292 | TNX4G25X0XSC1SS2 | TNX4G25X0XSC2SS3 |
| | 39110-2S293 | TNX4G25X0XSC1SS2 | TNX4G25X0XSC2SS3 |
| | 39110-2S294 | TNX4G25X4XSC1SS2 | TNX4G25X4XSC2SS3 |
| | 39110-2S295 | SNX4G25X0XSC1SS2 | SNX4G25X0XSC2SS3 |
| | 39110-2S296 | SNX4G25X0XSC1SS2 | SNX4G25X0XSC2SS3 |
| 39110-2S297 | SNX4G25X4XSC1SS2 | SNX4G25X4XSC2SS3 | |

Santa Fe (TMa)

TMa ECU ROM ID TABLE - Event 857:

| MODEL | Part No. | ROM ID | |
|--------|-------------|--|-----------------|
| | | OLD | NEW |
| TMa PE | 39110-2S274 | TADV5GMH3XXXJ1A TADV5GMH3XXXJ1B TADV5GMH3XXXL5A TADV5GMH3XXXL5B | TADV5GMH3XXXL8A |
| | 39110-2S275 | | |
| | 39110-2S276 | TADV5GSH3XXXJ1A TADV5GSH3XXXJ1B TADV5GSH3XXXL5A TADV5GSH3XXXL5B | TADV5GSH3XXXL8A |

TCU ROM ID TABLE - Event 772:

| MODEL | P/NO | ROM ID | |
|--------|-------------|------------|------------|
| | | OLD | NEW |
| TMa PE | 39110-2S274 | STM2G25NH1 | STM2G25NH2 |
| | 39110-2S275 | STM4G25NH1 | STM4G25NH2 |
| | 39110-2S276 | STM2G25NH1 | STM2G25NH2 |
| | 39110-2S277 | STM4G25NH1 | STM4G25NH2 |

Sonata (DN8) (VINs begin with KMH)

DN8 ECU ROM ID TABLE - Event 853:

| MODEL | Part No. | ROM ID | |
|-------|-------------|--|------------------|
| | | OLD | NEW |
| DN8 | 39100-2S278 | DNDVD5GMCCXXXJ1A DNDVD5GMCCXXXJ1B DNDVD5GMCCXXXL5A DNDVD5GMCCXXXL5B | DNDVD5GMCCXXXL8A |
| | 39100-2S279 | DNDVD5GMC3XXXJ1A DNDVD5GMC3XXXJ1B DNDVD5GMC3XXXL5A DNDVD5GMC3XXXL5B | DNDVD5GMC3XXXL8A |

TCU ROM ID TABLE – Event 782

| MODEL | Part No. | ROM ID | |
|-------|-------------|------------|------------|
| | | OLD | NEW |
| DN8 | 39110-2S278 | SDN8G25NB2 | SDN8G25NB3 |
| | 39110-2S279 | SDN8G25NB2 | SDN8G25NB3 |

Sonata (DN8a) (VINs begin with 5NP)

DN8a ECU ROM ID TABLE – Event 863:

| MODEL | Part No. | ROM ID | |
|-------|-------------|--|------------------|
| | | OLD | NEW |
| DN8a | 39100-2SDL0 | DNDVN5GMCCXXXJ1A DNDVN5GMCCXXXJ1B DNDVN5GMCCXXXL5A DNDVN5GMCCXXXL5B | DNDVN5GMCCXXXL8A |
| | 39100-2SDM0 | DNDVN5GMC3XXXJ1A DNDVN5GMC3XXXJ1B DNDVN5GMC3XXXL5A DNDVN5GMC3XXXL5B | DNDVN5GMC3XXXL8A |

TCU ROM ID TABLE – Event 774:

| MODEL | Part No. | ROM ID | |
|-------|-------------|------------|------------|
| | | OLD | NEW |
| DN8a | 39100-2SDL0 | SDN8G25NB2 | SDN8G25NB3 |
| | 39100-2SDM0 | SDN8G25NB2 | SDN8G25NB3 |

MANUAL ECU/TCU UPDATE:

NOTE: If the ECU or TCU Update starts but then fails in Auto Mode, perform the update in Manual Mode to recover. Refer to the correct password based on model and ECU or TCU Part Number found on ECU/TCU label or in software management.

Santa Cruz NXT - Update Event #854 (ECU):

| MENU | PASSWORD |
|---------------------------------|----------|
| NX4AT THETA3 2.5GDI 39100-2S171 | 0020 |
| NX4AT THETA3 2.5GDI 39100-2S177 | 0021 |
| NX4AT THETA3 2.5GDI 39100-2S172 | 0022 |
| NX4AT THETA3 2.5GDI 39100-2S173 | 0023 |
| NX4AT THETA3 2.5GDI 39100-2S178 | 0025 |
| NX4AT THETA3 2.5GDI 39100-2S174 | 0027 |

Santa Cruz NXT – Update Event #784 (TCU):

| MENU | PASSWORD |
|-----------------------------------|----------|
| NX4aAT 2.5GDI 8AT 39110-2S171/7/2 | 2171 |
| NX4aAT 2.5GDI 8AT 39110-2S173/8/4 | 2173 |

Tucson NX4 (VINs begin with KM8) – Update Event # 855 (ECU):

| MENU | PASSWORD |
|-------------------------------|----------|
| NX4 THETA3 2.5GDI 39100-2S262 | 8501 |
| NX4 THETA3 2.5GDI 39100-2S263 | 8502 |
| NX4 THETA3 2.5GDI 39100-2S264 | 8503 |
| NX4 THETA3 2.5GDI 39100-2S265 | 8504 |

| | |
|-------------------------------|------|
| NX4 THETA3 2.5GDI 39100-2S266 | 8505 |
| NX4 THETA3 2.5GDI 39100-2S267 | 8506 |
| NX4 THETA3 2.5GDI 39100-2S268 | 8507 |
| NX4 THETA3 2.5GDI 39100-2S269 | 8508 |
| NX4 THETA3 2.5GDI 39100-2S270 | 8509 |
| NX4 THETA3 2.5GDI 39100-2S271 | 8510 |
| NX4 THETA3 2.5GDI 39100-2S272 | 8511 |
| NX4 THETA3 2.5GDI 39100-2S273 | 8512 |

Tucson NX4a (VINs begin with 5NM) – Update Event # 856 (ECU):

| MENU | PASSWORD |
|--------------------------------|----------|
| NX4a THETA3 2.5GDI 39110-2S280 | 8601 |
| NX4a THETA3 2.5GDI 39110-2S281 | 8602 |
| NX4a THETA3 2.5GDI 39110-2S282 | 8603 |
| NX4a THETA3 2.5GDI 39110-2S283 | 8604 |
| NX4a THETA3 2.5GDI 39110-2S284 | 8605 |
| NX4a THETA3 2.5GDI 39110-2S285 | 8606 |
| NX4a THETA3 2.5GDI 39110-2S286 | 8607 |
| NX4a THETA3 2.5GDI 39110-2S287 | 8608 |
| NX4a THETA3 2.5GDI 39110-2S288 | 8609 |
| NX4a THETA3 2.5GDI 39110-2S289 | 8610 |
| NX4a THETA3 2.5GDI 39110-2S290 | 8611 |
| NX4a THETA3 2.5GDI 39110-2S291 | 8612 |
| NX4a THETA3 2.5GDI 39110-2S292 | 8613 |
| NX4a THETA3 2.5GDI 39110-2S293 | 8614 |
| NX4a THETA3 2.5GDI 39110-2S294 | 8615 |
| NX4a THETA3 2.5GDI 39110-2S295 | 8616 |
| NX4a THETA3 2.5GDI 39110-2S296 | 8617 |
| NX4a THETA3 2.5GDI 39110-2S297 | 8618 |

Tucson NX4 and NX4a – Update Event # 776 (TCU):

| MENU | PASSWORD |
|--|----------|
| NX4a 2.5GDI 8AT 39110-2S280/81/86/87/92/93 | 2280 |
| NX4a 2.5GDI 8AT 39110-2S282/88/94 | 2282 |
| NX4a 2.5GDI 8AT 39110-2S283/84/89/90/95/96 | 2283 |
| NX4a 2.5GDI 8AT 39110-2S285/91/97 | 2285 |

Santa Fe (TMa) - Update Event #857 (ECU):

| MENU | PASSWORD |
|------------------------------------|----------|
| TMa PE THETA3 2.5GDI 39110-2S274/5 | 8701 |
| TMa PE THETA3 2.5GDI 39110-2S276/7 | 8702 |

Santa Fe (TMa) – Update Event #772 (TCU):

| MENU | PASSWORD |
|---------------------------------|-----------------|
| TMa PE 2.5GDI 8AT 39110-2S274/6 | 2252 |
| TMa PE 2.5GDI 8AT 39110-2S275/7 | 4252 |

Sonata (DN8) – Update Event # 853 (ECU):

| MENU | PASSWORD |
|-------------------------------|-----------------|
| DN8 THETA3 2.5GDI 39100-2S278 | 7731 |
| DN8 THETA3 2.5GDI 39100-2S279 | 7732 |

Sonata (DN8) – Update Event # 782 (TCU):

| MENU | PASSWORD |
|--------------------------|-----------------|
| DN8 2.5GDI 39110-2S278/9 | 8252 |

Sonata (DN8a) – Update Event # 863 (ECU):

| MENU | PASSWORD |
|--------------------------------|-----------------|
| DN8a THETA3 2.5GDI 39100-2SDL0 | 3910 |
| DN8a THETA3 2.5GDI 39100-2SDM0 | 3911 |

Sonata (DN8a) – Update Event # 774 (TCU):

| MENU | PASSWORD |
|---------------------|-----------------|
| DN8a 39100-2SDL0/M0 | 8252 |