

Notes:

- DTNA Probe tools start with DK1470E16022 and Terminal Extraction tools start with DK10CHA17002, find these kits in your essential tools
- These details in time will be available in TechLit manuals including fault code documentation

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Using This Document Instructions

1. Click a link from the left side and find a connector reference in the first column

Single SAM (sSAM, aSAM)

| Connector | Terminal Probe | Connector Probe Type | Mating Conn. Probe Type | DTNA Probe Image | Terminal Extraction Tool | Terminal Extraction Tool Image | Primary Lock | Secondary Lock | Aftermarket Video Link |
|----------------------|----------------|----------------------|-------------------------|---|--------------------------|---|--------------|----------------|------------------------|
| X1 Harness | - 43 | M | F |  | - 8 |  | Squeeze Tabs | - 2 | Link |

2. Use the specified probe tool for whichever connector needs to be tested (component or harness)
3. See example image below for sSAM X1 pin 1, we use probe -43 M for the X1 harness connector and F for the mating connector on the ECU



[Submit Feedback](#)



Please send feedback if you spot an error or have an addition

Anti-Lock Braking System (ABS)

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| Connector | Terminal Probe | Connector Probe Type | Mating Conn. Probe Type | DTNA Probe Image | Terminal Extraction Tool | Terminal Extraction Tool Image | Primary Lock | Secondary Lock | AftermarkeTV Video Link |
|------------------------------|-----------------------------------|----------------------|-------------------------|--|---------------------------------|---|--------------|----------------|-------------------------|
| X1 | - 38 | F | M |  | - 6 |  | | | |
| X2 | Pos 1-18: - 38 Pos 19-25: - 42 | F | M |  | Pos 1-18: - 6 Pos 19-25: - 8 |  | | | |
| X3 | - 38 | F | M |  | - 6 |  | | | |
| X4 | | | | | | | | | |
| Wheel End Sensor | | | | | N/A | N/A | | | |
| Modulator Valve | - 42 | F | M |  | - 8 |  | | | |
| Steering Angle Sensor | - 37 | F | M |  | - 1 |  | | | |

Battery Cable Access (BCA)

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| Connector | Terminal Probe | Connector Probe Type | Mating Conn. Probe Type | DTNA Probe Image | Terminal Extraction Tool | Terminal Extraction Tool Image | Primary Lock | Secondary Lock | AftermarkeTV Video Link |
|-----------|----------------|----------------------|-------------------------|--|--------------------------|---|--------------|----------------|-------------------------|
| A | - 44 | F | M |  | - 1 |  | | | |
| B | - 43 | F | M |  | - 1 |  | | | |
| C | - 42 | F | M |  | - 2 |  | | | |
| D | - 33 | F | M |  | - 2 |  | | | |

| Connector | Terminal Probe | Connector Probe Type | Mating Conn. Probe Type | DTNA Probe Image | Terminal Extraction Tool | Terminal Extraction Tool Image | Primary Lock | Secondary Lock | AftermarkeTV Video Link |
|-----------|----------------|----------------------|-------------------------|--|--------------------------|---|--------------|----------------|-------------------------|
| X1 | - 37 | F | M |  | - 1 |  | | | |

| Connector | Terminal Probe | Connector Probe Type | Mating Conn. Probe Type | DTNA Probe Image | Terminal Extraction Tool | Terminal Extraction Tool Image | Primary Lock | Secondary Lock | AftermarkeTV Video Link |
|---------------------------|----------------|----------------------|-------------------------|--|--------------------------|---|--------------|----------------|-------------------------|
| Door Speaker 1A/1B | - 41 | F | M |  | - 5 |  | | - 1 | |
| Door Speaker Dual Coil 2A | - 41 | F | M |  | - 5 |  | | - 1 | |
| Power Window Motor 1B | - 42 | F | M |  | - 2 |  | | - 1 | |
| Mirror Assembly 1B | - 33 | F | M |  | - 12 |  | | - 1 | |
| Door Lock 2A | | | | | - 12 |  | | - 1 | |
| Switch Panel 2A | - 37 | F | M |  | - 4 |  | | - 1 | |
| Sill Lamp 1A | - 38 | F | M |  | - 2 |  | | - 1 | |
| Door Control Module 1A | - 41 | F | M |  | - 5 |  | | - 1 | |
| Door Control Module 2A | - 37 | F | M |  | - 4 |  | | - 1 | |

HVAC ECUs

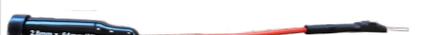
| Connector | Terminal Probe | Connector Probe Type | Mating Conn. Probe Type | DTNA Probe Image | Terminal Extraction Tool | Terminal Extraction Tool Image | Primary Lock | Secondary Lock | AftermarkeTV Video Link |
|----------------|----------------|----------------------|-------------------------|--|--------------------------|---|--------------|----------------|-------------------------|
| FCU X3 20-Pin | | | | | | | | | |
| FCU X2 14-Pin | | | | | - 2 |  | | | |
| FCU X1 8-Pin | | | | | | | | | |
| PCU J08 32-Pin | - 31 | F | M |  | | | | | |
| RCU/AUX X1 | | | | | | | | | |
| RCU/AUX X2 | | | | | | | | | |
| PCU 14-Pin | - 31 | F | M |  | | | | | |

| Connector | Terminal Probe | Connector Probe Type | Mating Conn. Probe Type | DTNA Probe Image | Terminal Extraction Tool | Terminal Extraction Tool Image | Primary Lock | Secondary Lock | AftermarkeTV Video Link |
|-----------|----------------|----------------------|-------------------------|--|--------------------------|---|--------------|----------------|-------------------------|
| X1 | - 37 | F | M |  | - 4 |  | | | |
| X2 | - 37 | F | M |  | - 4 |  | | | |
| 1B | - 37 | F | M |  | - 2 |  | | | |

Single SAM (sSAM, aSAM)

| Connector | Terminal Probe | Connector Probe Type | Mating Conn. Probe Type | DTNA Probe Image | Terminal Extraction Tool | Terminal Extraction Tool Image | Primary Lock | Secondary Lock | AftermarketTV Video Link |
|-----------------------|-----------------------------------|----------------------|-------------------------|--|---------------------------------|--|--------------|----------------|---------------------------------|
| X1 Harness | - 43 | M | F |  | - 8 |  | Squeeze Tabs | - 2 | Link |
| X2 Harness | - 42 | F | M |  | - 8 |  | Squeeze Tabs | - 2 | Link |
| X3 Harness | - 42 | F | M |  | - 8 |  | Squeeze Tabs | - 2 | Link |
| X4 Harness | - 42 | F | M |  | - 8 |  | Squeeze Tabs | - 2 | Link |
| X5 Harness | - 38 | M | F |  | - 6 |  | Lever Lock | Slide Out | Old style: Link |
| X6 Harness | Pos 1-18: - 38 Pos 19-25: - 42 | M F | F M |   | Pos 1-18: - 6 Pos 19-25: - 8 |   | Lever Lock | Slide Out | Link |
| X7 Harness | - 38 | M | F |  | - 6 |  | Lever Lock | Slide Out | Old style: Link |
| X8 Harness | - 38 | M | F |  | - 6 |  | Lever Lock | Slide Out | Link |
| X9 Harness | - 38 | M | F |  | - 6 |  | Lever Lock | Slide Out | Link |
| X10 Harness | - 43 | M | F |  | - 8 |  | Squeeze Tabs | - 2 | Link |
| X11 Harness | - 43 | M | F |  | - 8 |  | Squeeze Tabs | - 2 | Link |
| X13 Harness | - 43 | M | F |  | - 8 |  | Squeeze Tabs | - 2 | Link |

| Connector | Terminal Probe | Connector Probe Type | Mating Conn. Probe Type | DTNA Probe Image | Terminal Extraction Tool | Terminal Extraction Tool Image | Primary Lock | Secondary Lock | AftermarkeTV Video Link |
|-----------|----------------|----------------------|-------------------------|--|--------------------------|---|--------------|----------------|-------------------------|
| A | - 42 | F | M |  | - 8 |  | | | |

| Connector | Terminal Probe | Connector Probe Type | Mating Conn. Probe Type | DTNA Probe Image | Terminal Extraction Tool | Terminal Extraction Tool Image | Primary Lock | Secondary Lock | AftermarketTV Video Link |
|-----------|----------------|----------------------|-------------------------|--|--------------------------|---|---------------|----------------|--------------------------|
| J4 | - 39 | M | F |  | - 14 |  | Capture Screw | - 1 | Link |
| J5 | - 41 | M | F |  | - 1 |  | Capture Screw | - 1 | Link |
| J6 | - 41 | M | F |  | - 2 |  | Capture Screw | - 1 | Link |
| J7 | - 41 | M | F |  | - 3 |  | Capture Screw | - 1 | Link |
| J8 | - 41 | M | F |  | - 2 |  | Capture Screw | - 1 | Link |

Extension Module Controller (XMC)

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| Connector | Terminal Probe | Connector Probe Type | Mating Conn. Probe Type | DTNA Probe Image | Terminal Extraction Tool | Terminal Extraction Tool Image | Primary Lock | Secondary Lock | AftermarkeTV Video Link |
|----------------------|----------------|----------------------|-------------------------|--|--------------------------|---|--------------|----------------|-------------------------|
| X1 Harness | - 37 | M | F |  | - 4 |  | Lever Lock | Slide Out | |
| X2 Harness | - 37 | M | F |  | - 4 |  | Lever Lock | Slide Out | |
| X3 Harness | - 42 | M | F |  | - 8 |  | | | |
| X4 Harness | - 44 | M | F |  | - 1 |  | | | |

DTNA Terminal Extraction Tool Kit

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