

PROBLEM SYMPTOMS TABLE

1. COMMUNICATION STOP MODE TABLE

- (a) Check that there is no open circuit in the CAN main bus line, short between the lines, or short to +B in the "CHECK CAN BUS LINE" (see page 05–2620). Select "BUS CHECK" on the hand-held tester via the CAN VIM (see page 05–2616).
- (b) Check the communication stop mode of the ECUs or sensors not displayed among the following: "ENGINE", "ABS/VSC/TRAC", "STEERING SENSOR", "YAW/DECELERAT", "EPS", "BODY/GATEWAY", "HYBRID CONTROL" OR "HV BATTERY".

NOTICE:

- **Systems using the CAN communication system differ according to optional settings. Check which ECUs or sensors are installed on the vehicle.**
- **Non-installed ECUs or sensors are not displayed. Be careful not to consider that they are in communication stop mode.**
- **If 2 or more ECUs or sensors are not displayed on the hand-held tester via the CAN VIM, perform troubleshooting for communication stop mode for each undisplayed ECU or sensor. (Either side of the CAN bus lines may be open.)**

| Symptom | Inspection Item | Customization | See Page |
|---|--|--|----------|
| "HYBRID CONTROL" is not displayed on the hand-held tester via CAN VIM. | HYBRID VEHICLE CONTROL ECU COMMUNICATION STOP MODE | Applicable to all vehicles | 05–2624 |
| "ABS/VSC/TRAC" is not displayed on the hand-held tester via CAN VIM. | SKID CONTROL ECU COMMUNICATION STOP MODE | Applicable to all vehicles | 05–2626 |
| "STEERING SENSOR" is not displayed on the hand-held tester via CAN VIM. | STEERING SENSOR COMMUNICATION STOP MODE | Vehicle with enhanced VSC (VSC warning lamp is installed in the combination meter) | 05–2632 |
| "YAW/DECELERAT" is not displayed on the hand-held tester via CAN VIM. | YAW RATE SENSOR COMMUNICATION STOP MODE | Vehicle with enhanced VSC (VSC warning lamp is installed in the combination meter) | 05–2634 |
| "EPS" is not displayed on the hand-held tester via CAN VIM. | POWER STEERING ECU COMMUNICATION STOP MODE | Applicable to all vehicles | 05–2628 |
| "BODY/GATEWAY" is not displayed on the hand-held tester via CAN VIM. | GATEWAY ECU COMMUNICATION STOP MODE | Applicable to all vehicles | 05–2630 |
| "ENGINE" is not displayed on the hand-held tester via CAN VIM. | ECM ECU COMMUNICATION STOP MODE | Applicable to all vehicles | 05–2636 |
| "HV BATTERY" is not displayed on the hand-held tester via CAN VIM. | BATTERY ECU COMMUNICATION STOP MODE | Applicable to all vehicles | 05–2638 |

2. DTC COMBINATION TABLE

(a) Perform troubleshooting according to the combination of DTCs output.

| DTC | | Trouble Mode | | | | | | | |
|----------------------------|------------|--|-----------------------------|-------------------------------------|--|---|---|--|-------------------------------------|
| Output from | Output DTC | HYBRID VEHICLE CONTROL ECU COMMUNICATION STOP MODE | ECM COMMUNICATION STOP MODE | BATTERY ECU COMMUNICATION STOP MODE | SKID CONTROL ECU COMMUNICATION STOP MODE | STEERING SENSOR COMMUNICATION STOP MODE | YAW RATE SENSOR COMMUNICATION STOP MODE | POWER STEERING ECU COMMUNICATION STOP MODE | GATEWAY ECU COMMUNICATION STOP MODE |
| Hybrid Vehicle Control ECU | U0100 | — | ○ | × | × | × | × | × | × |
| | U0111 | — | × | ○ | × | × | × | × | × |
| | U0129 | — | × | × | ○ | × | × | × | × |
| | U0146 | — | × | × | × | × | × | × | ○ |
| | U3108-594 | — | × | × | × | × | × | × | ○ |
| ECM | U0293 | ○ | — | × | × | × | × | × | × |
| Battery ECU | U0100 | × | ○ | — | × | × | × | × | × |
| | U0293 | ○ | × | — | × | × | × | × | × |
| Skid Control ECU | U0123 | × | × | × | — | × | ○ | × | × |
| | U0124 | × | × | × | — | × | ○ | × | × |
| | U0126 | × | × | × | — | ○ | × | × | × |
| | U0293 | ○ | × | × | — | × | × | × | × |
| Power Steering ECU | U0121 | × | × | × | ○ | × | × | — | × |

○ : Outputs
 × : Not output
 — : Undetectable

NOTICE:

- If U0146 or P3108–594 is output, check the "MULTIPLEX COMMUNICATION SYSTEM" (see page [05-2549](#)) before proceeding to "GATEWAY ECU COMMUNICATION STOP MODE".
- If U0100–211 or U0111–208 is output separately by the hybrid control ECU, refer to "HYBRID CONTROL SYSTEM" (see page [05-859](#)).

HINT:

- HYBRID VEHICLE CONTROL ECU COMMUNICATION STOP MODE: see page [05-2624](#).
- ECM COMMUNICATION STOP MODE: see page [05-2636](#).
- BATTERY ECU COMMUNICATION STOP MODE: see page [05-2638](#).
- SKID CONTROL ECU COMMUNICATION STOP MODE: see page [05-2626](#).
- STEERING SENSOR COMMUNICATION STOP MODE: see page [05-2632](#).
- YAW RATE SENSOR COMMUNICATION STOP MODE: see page [05-2634](#).
- POWER STEERING ECU COMMUNICATION STOP MODE: see page [05-2628](#).
- GATEWAY ECU COMMUNICATION STOP MODE: see page [05-2630](#).