

Caution

- Vehicle specifications differ depending on the vehicle identification number (VIN).

- Type A VIN:

- JM0 KE***** 100001—

- JM6 KE***** 100001—

- JM7 KE***** 100001—

- JM8 KE***** 100001—

- JMZ KE***** 100001—

- KE10** 100001—

- Type B VIN:

- JM0 KE***** 200001—

- JM6 KE***** 200001—

- JM8 KE***** 200001—

- JMZ KE***** 200001—

- KE10** 200001—

DTC P0500:00	Vehicle speed signal circuit malfunction
DETECTION CONDITION	<p>Type A VIN</p> <ul style="list-style-type: none"> • Under the following conditions, the vehicle speed signal input from DSC HU/CM is incorrect for 10 s: <ul style="list-style-type: none"> — Engine is running. — Vehicle speed is 16 km/h {9.9 mph} or more. — There is no difference in speed between turbine/input shaft speed sensor and output shaft speed sensor. <p>Type B VIN</p> <ul style="list-style-type: none"> • Under the following conditions, the vehicle speed signal input from DSC HU/CM is incorrect for 10 s: <ul style="list-style-type: none"> — Engine is running. — The vehicle is driven in D position or R position. — Output shaft speed sensor related DTC is not recorded. — There is no difference between vehicle speed signal from DSC HU/CM and turbine/input shaft speed sensor signal. <p>Diagnostic support note</p> <ul style="list-style-type: none"> • The check engine light illuminates if the TCM detects the above malfunction condition during the first drive cycle. • The automatic transaxle warning light does not illuminate. • PENDING CODE is available. • FREEZE FRAME DATA is available. • DTC is stored in the TCM memory.
FAIL-SAFE FUNCTION	<ul style="list-style-type: none"> • Inhibits learning control. • Inhibits neutral idle control. • Inhibits i-stop control. • Inhibits AAS.
POSSIBLE CAUSE	<ul style="list-style-type: none"> • DSC HU/CM DTC is stored. <ul style="list-style-type: none"> — ABS wheel-speed sensor malfunction
SYSTEM WIRING DIAGRAM	Not applicable

Diagnostic procedure

STEP	INSPECTION	ACTION
1	VERIFY FREEZE FRAME DATA/SHOT DATA HAS BEEN RECORDED	Go to the next step.
	<ul style="list-style-type: none"> • Has the freeze frame data/snapshot data been recorded on the repair order? 	Record the freeze frame data/snapshot data on the repair order, then go to the next step.
2	VERIFY RELATED SERVICE INFORMATION AVAILABILITY	Perform repair or diagnosis according to the available Service Information.
	<ul style="list-style-type: none"> • Verify related Service Information availability. • Is any related Service Information available? 	<ul style="list-style-type: none"> • If the vehicle is not repaired, go to the next step.
		Go to the next step.

STEP	INSPECTION	ACTION	
3	VERIFY STORED DTC IN DSC HU/CM <ul style="list-style-type: none"> Perform the DSC HU/CM DTC inspection using the M-MDS. (See ON-BOARD DIAGNOSIS [DYNAMIC STABILITY CONTROL (DSC)].) Are any DTCs present? 	Yes	Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSIS [DYNAMIC STABILITY CONTROL (DSC)].)
		No	Go to the next step.
4	VERIFY DTC TROUBLESHOOTING COMPLETED <ul style="list-style-type: none"> Clear the DTC using the M-MDS. (See ON-BOARD DIAGNOSTIC SYSTEM DTC INSPECTION [FW6A-EL, FW6AX-EL].) Perform the following procedure to ensure that the DTC has been resolved: <ol style="list-style-type: none"> Drive the vehicle for 10 s or more under the following conditions: <ul style="list-style-type: none"> Battery voltage: 8 V or more Vehicle speed: 45 km/h {28 mph} or more Perform the DTC inspection using the M-MDS. (See ON-BOARD DIAGNOSTIC SYSTEM DTC INSPECTION [FW6A-EL, FW6AX-EL].) Are any DTCs present? 	Yes	Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [FW6A-EL, FW6AX-EL].)
		No	DTC troubleshooting completed.