	Incorrect/Not Updated	the GWM are missing for 5 seconds or longer.

Possible Sources

- Communication concern
- Battery voltage concern
- GWM concern
- PSCM
- IPC

DIAGNOSIS AND TESTING > INSTRUMENTATION, MESSAGE CENTER AND WARNING CHIMES > PINPOINT TESTS > PINPOINT TEST CB : U0420:82 > PINPOINT TEST CB : U0420:82

CB1 VERIFY THE CUSTOMER CONCERN

Ignition ON.

Verify there is an observable symptom present.

Is an observable symptom present?

Yes	GO to CB2

No	CLEAR the DTC. The system is operating normally at this time. The DTC may have been set due to high network traffic or an intermittent fault condition.

CB2 CHECK THE COMMUNICATION NETWORK

Using a diagnostic scan tool, perform the network test.

Does the BCM pass the network test?

Yes	GO to CB3

No	REFER to: Communications Network .

CB3 PERFORM THE PSCM (POWER STEERING CONTROL MODULE) SELF-TEST

Using a diagnostic scan tool, perform the PSCM self-test.

Are any Diagnostic Trouble Codes (DTCs) recorded?

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Yes	REFER to: Power Steering .

No	GO to CB4

CB4 CHECK THE GWM (GATEWAY MODULE A) DIAGNOSTIC TROUBLE CODES (DTCS)

Using a diagnostic scan tool, check the GWM Continuous Memory Diagnostic Trouble Codes (CMDTCs).

Are any Diagnostic Trouble Codes (DTCs) recorded?

Yes	REFER to: Communications Network .

No	GO to CB5

CB5 PERFORM THE IPC (INSTRUMENT PANEL CLUSTER) SELF-TEST

Using a diagnostic scan tool, perform the IPC self-test.

Is DTC U3003:16 or DTC U3003:17 recorded?

Yes	REFER to DTC Chart: IPC .

No	GO to CB6

CB6 RECHECK THE IPC (INSTRUMENT PANEL CLUSTER) DIAGNOSTIC TROUBLE CODES (DTCS)

NOTE: If new modules were installed prior to the DTC being set, the module configuration may be incorrectly set during the Programmable Module Installation (PMI), or the Programmable Module Installation (PMI) may not have been carried out.

Using a diagnostic scan tool, clear the Diagnostic Trouble Codes (DTCs).

Wait 10 seconds.

Repeat the IPC self-test.

Is DTC U0420:82 still present?

Yes	GO to CB7

No	The system is operating correctly at this time. The DTC may have been set due to high network traffic or an intermittent fault condition.

CB7 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0131:87 SET IN OTHER MODULES

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Using a diagnostic scan tool, clear all Diagnostic Trouble Codes (DTCs).

Ignition OFF.

Ignition ON.

Wait 10 seconds.

Using a diagnostic scan tool, perform the continuous memory self-test.

Retrieve the Continuous Memory Diagnostic Trouble Codes (CMDTCs) from all modules.

Is DTC U0131:87 set in the BCM?

Yes	GO to CB8

No	GO to CB9

CB8 CHECK FOR CORRECT PSCM (POWER STEERING CONTROL MODULE) OPERATION

Ignition OFF.

Disconnect and inspect all PSCM connectors and related in-line connectors.

Repair:

corrosion (install new connector or terminals - clean module pins)

damaged or bent pins - install new terminals/pins

pushed-out pins - install new pins as necessary

Reconnect all the PSCM connectors and related in-line connectors. Make sure they seat and latch correctly.

Operate the system and determine if the concern is still present.

Is the concern still present?

Yes	CHECK OASIS for any applicable Technical Service Bulletins (TSBs). If a TSB exists for this concern, DISCONTINUE this test and FOLLOW TSB instructions. If no Technical Service Bulletins (TSBs) address this concern, refer to the EPAS symptom chart.

No	The system is operating correctly at this time. The concern may have been caused by module connections. ADDRESS the root cause of any connector or pin issues.

CB9 CHECK FOR CORRECT IPC (INSTRUMENT PANEL CLUSTER) OPERATION

Ignition OFF.

Disconnect and inspect IPC connector and related in-line connectors.

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