SERVICE BULLETIN



2023-02-14

M1579 (REV B): REVOLUTION MAX BCM AND ECM UPDATE

Reason for Revision

Refer to Table 1.

Table 1. Document History

Date	Rev	Revision (Rev) Description	
		Updated Body Control Module (BCM) part	
2023-02-14	В	numbers.	
		* Updated: Part Numbers Affected	
		Add Screamin' Eagle® (SE) Quickshifter	
		note. Update DTC and Vehicle code.	
2023-02-03 A		Updated: Purpose for Service Bulletin,	
		* Motorcycles Affected, Required Dealer	
		Action	
2023-01-24	-	Initial release	

Purpose for Service Bulletin

This bulletin informs dealers that a BCM and Electronic Control Module (ECM) update is available on Digital Technician II (DT II).

The BCM update addresses potential nuisance Diagnostic Trouble Codes (DTCs) and ride mode faults, most commonly found after a low voltage crank event or cold temperature start attempt. The ECM calibration update is to address a crank, but no start condition that can occur after a stall, followed by Diagnostic Trouble Code (DTC) P037400. This condition can sometimes be corrected by turning the Ignition OFF and waiting 30 or more seconds before turning the Ignition ON again, allowing the starter button to operate as normal.

Motorcycles Affected

2021-2023: Pan America (RA1250, RA1250S), Sportster S (RH1250S), Nightster (RH975, RH975S)

Markets Affected

All markets are affected.

Part Numbers Affected

Refer to Table 2.

Table 2. BCM and ECM Part Numbers

BCM Part No.	ECM Part No.
41000674, 41000674A,	
41000675A, 41000678,	41000669, 41001164,
41000678A, 41000679A,	41001214
41001195, 41001196	

Required Dealer Action

Table 3.			
Action Resolution			
	Actionable: Any vehicle, component or software related issues must be performed according to the service bulletin procedure.		

NOTE

During the ECM reflash on some 2023 RH975 and RH975S vehicles, a Vehicle Identification Number (VIN) flag may be set for improper tune. This flag is being set due to a setting at the plant. Performing this flash will correct the problem going forward and these Vehicle Identification Numbers (VINs) will not be permanently flagged for this issue. Vehicles will still be flagged in the event that an aftermarket tuning device is detected.

Make sure that software version V23.2 or later is installed on DT II.

On Tire Pressure Monitoring System (TPMS) equipped models, the instrument module may read "–" after update. To restore the values:

- The TPMS sensors can be put into "Drive" mode using special tool: TPMS ACTIVATION TOOL (Part Number:HD-51794)
- Ride vehicle at a speed greater than 40 km/h (25 mph) for 20 seconds.

NOTE

See Figure 1. External power adapter must be plugged into Techlink 3 (TL-3) for BCM and ECM reflash procedure to prevent unrecoverable lockups.

• See Figure 2. The external power adapter must have an output of at least 12V and 1.2A. This includes the power adapter included with the Techlink 3 (TL-3) or the adapter for the DT II.

NOTE

In the interest of preserving customer safety and satisfaction, always check for outstanding recalls whenever any motorcycle is brought into your dealership for either maintenance or service.

ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	WARRANTY PROCESS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO. 1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	RETURN THIS TO
INITIAL HERE									

- The vehicle battery should be fully charged prior doing the software update.
- Have a battery tender connected to the battery while performing software update.



Figure 1. External Power Adapter



12V and 1.2A Output Figure 2. 12V and 1.2A Output

Table 4. BCM Software Version

BCM Software	BCM Calibration
13.41.4.2 or later	13.41.4.2 or later

Table	5.	FCM	Software	Version
TUDIC	ν.		oonunuic	10131011

ECM Current Version	ECM Updated Version
41000916H	41000916J
41000917J	41000917L
41000918J	41000918L
41001209B	41001209C
41001138D	41001138E
41001139E	41001139F
41001140E	41001140F
41001149B	41001149C
41001278	41001278B
41001181D	41001181E
41001180D	41001180E
41001179D	41001179E

Table 5. ECM Software Version

ECM Current Version	ECM Updated Version
41001178D	41001178E
41001276	41001276A

BCM and ECM Reflash Sequence

NOTE

If SE Quickshifter (Part No. 32700151) is installed on the vehicle, it will need to be re-enabled using DT II.

After the BCM and ECM reflashes have been completed, **Navigate** to DTII > VEHICLE SETUP > QUICKSHIFTER.

- 1. Connect battery tender directly to vehicle battery (not through battery tender lead).
 - a. Verify battery is fully charged before proceeding.
- 2. Connect external power to TL-3 appropriate power supply providing at least:
 - a. 12Voltage (V)
 - b. 1.2Amperes (A)
- 3. Place vehicle in Accessory mode.
 - a. Press and hold trip button 5 seconds.
- 4. Open DT II program and establish communication with vehicle.
- 5. Proceed to reflash BCM and follow on-screen directions.
- 6. For the ECM, place the vehicle's ignition to ON.
- 7. Open DT II program and establish communication with vehicle.
- 8. Proceed to reflash the ECM and follow on-screen directions.

Credit Procedure

NOTE

Enter bulletin number M1579 into comment section of claim.

Submit a warranty claim per Table 6 for BCM and ECM updates.

Labor includes all time necessary to perform both updates.

Table 6. BCM and ECM Updates

ITEM	DATA
	PRD/MC/DEM
	PDI/Standard Claim
	41000669
Problem Part Number	(or applicable part num-
	ber from table 2)
Quantity	Leave blank
Primary Labor Code	7829
Time	0.4 hours
Customer Concern Code	9203
Condition Code	7829

1.