# SERVICE BULLETIN



M1559 2022-08-02

## M1559: REVOLUTION MAX ECM UPDATE

## **Reason for Revision**

Refer to Table 1.

**Table 1. Document History** 

	Date	Revision Description			
	2022-08-02	Tables have new information. Correct customer			
		concern code.			
		* Updated: Part Numbers, Required Dealer Action, Credit Procedure			
		Action, Credit Procedure			
Ì	2022-08-01	Initial release			

# **Purpose for Service Bulletin**

This bulletin informs dealers that Harley-Davidson has an Electronic Control Module (ECM) update that is available on Digital Technician II (DT II). This update is to address Diagnostic Trouble Code (DTC) P000000 setting and putting the bike into the fast idle position (4,000 rpm). The update also addresses the concern of an inadvertent tripping of P227900 for the intake air leak under certain riding conditions when no intake leak is present.

# **Motorcycles Affected**

2021 and 2022: RA1250, RA1250S, RH1250S, RH975

#### Markets Affected

Worldwide.

### **Part Numbers**

Refer to Table 2.

**Table 2. ECM Part Numbers** 

Part No. Affected	Year	Vehicle
41000669	2021	RA1250
41000009	2021	RA1250S
41001163	2021	RH1250S
71001103	2022	11112300
		RH975
41001164	2022	RA1250
		RA1250S

# **Required Dealer Action**

#### Table 3.

Action Required	Resolution		
NO YES	Actionable: Any vehicle, component or software-related issues must be performed per service bulletin procedure.		

#### NOTE

Make sure that software version V22.6 or later is installed on DT II

#### NOTE

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

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

#### NOTE

n 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									

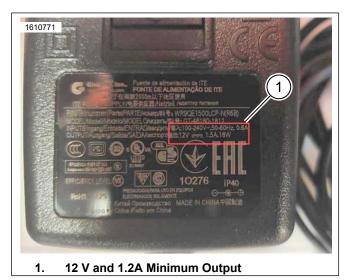


Figure 2. 12 V and 1.2A Output

Refer to Table 4.

**Table 4. Software Version** 

Model	Calibration Part Number	Market
	41001181C	DOM
RH975	41001180C	HDI
	41001179C	CHN
	41001178C	HDI (35kw)
	41001138D	DOM
RH1250S	41001139E	HDI
KH12505	41001140E	CHN/APC
	41001149B	HDI (TWN)
RA1250/S	41000916H	DOM
	41000917J	HDI
	41000918J	CHN
	41001209B	BRZ

- Connect battery tender directly to vehicle battery (Do Not use battery tender lead).
  - a. Verify that battery is fully charged before proceeding.
- 2. Connect TL-3 to vehicle.
- Connect external power to TL-3 using appropriate power supply providing at least:
  - a. 12 V
  - b. 1.2 A
- 4. Place vehicle in Ignition ON.
- Open DT II program and establish communication with vehicle.
- 6. Proceed to reflash ECM and follow on-screen directions.

## **Credit Procedure**

#### NOTE

Enter bulletin number M1559 into comment section of the claim.

Submit a warranty claim per Table 5.

Table 5.

ITEM	DATA
	DEM/PRD/MC Pre-
Claim Type	Delivery/Standard
	Claim
	41001164,
Problem Part Number	41001163 or
	41000669
Quantity	Leave blank
Labor Code	7849
Labor Hours	0.2 h
Customer Concern Code	9203
Condition Code	7849
-	•

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