

Department attention:

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|---|--------------------------------------|
| ☒ Dealer Management | ☐ Parts |
| ☐ Vehicle Sales | ☐ Gear |
| ☒ Service | ☐ Accessories |

Subject: *DTC P0106 and P0196 ECU Throttle Body Update Flashing*

Dear Royal Enfield Dealers:

The purpose of this communication is to inform dealers of a new calibration for issues pertaining to DTC P0106 and P0196 on ***ALL*** 350 models. This flash is implemented to deal with recurring P0106 and P0196 codes. If you experience this issue, please follow the steps outlined in this communication. This is only to be performed if there are no runnability concerns in the unit.

This communication breaks down the process step by step.

Please take the time to read through and circulate all the attachments to the appropriate staff within your dealership.

If you have any questions and or concerns, please contact your Regional Manager or email us at renaservice@royalenfield.com

Sincerely,
Royal Enfield of North America



Purpose: The SOP explained below is regarding the throttle body-ECU software update to address the complaint of DTC P0106 and P0196 in Meteor 350/ All new classic 350/ Hunter 350/ Bullet 350 models.
Note: This SOP is applicable only when the motorcycle is reported with above DTC.

Applicable countries: All countries except (Brazil and South Korea)

Instructions before flashing:

1. If already DOL software (ROYAL ENFIELD DOL V0_17_BETA26) is installed in your computer, proceed with Step 2. If not, first install the software as per the procedure shown in the SOP below
2. If your tool is not activated for flashing, kindly share your DOL Tool 10digit number with your distributors which is at back side of the DOL tool, else connect to the vehicle and go to F2 and again F2 the tool sl no will be displayed as 9*****, share this number to get the tool activated for online flashing.
3. During this process do not disturb the Motorcycles/Connections/Ensure proper internet connectivity.
4. Ensure you have admin rights and the firewall or antivirus software is disabled before starting the flashing.
5. If this following message pops up, kindly stop flashing and connect to the mobile internet or contact the network administrator to provide the permission to connect to the external network server. Else ECU may get corrupted. Click OK



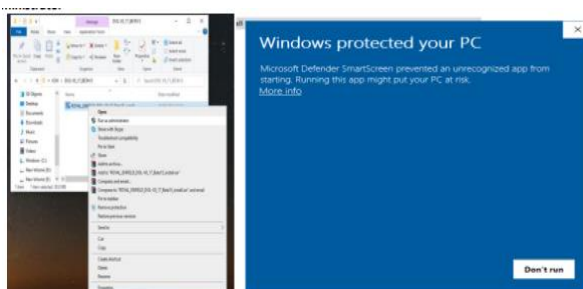
Step 1- Software Installation Procedure:

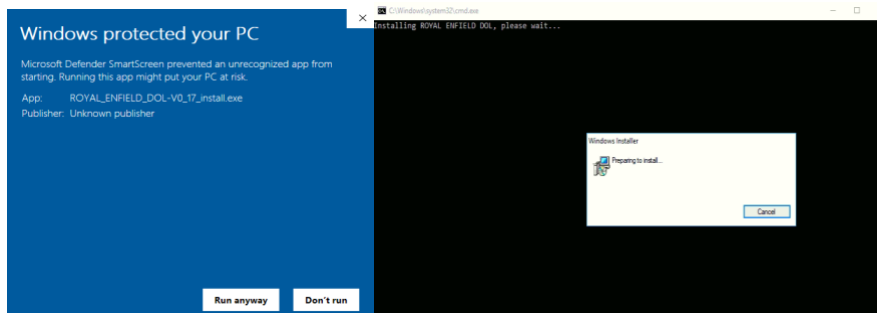
Please copy and paste the following link in google drive and download the new application of software or click on the link provided to download the new application

(ROYAL ENFIELD DOL V0_17_BETA26) or

https://drive.google.com/file/d/1PNaCvEJga2l7_1fFxWlat_HI56vW-rp2/view?usp=drive_link

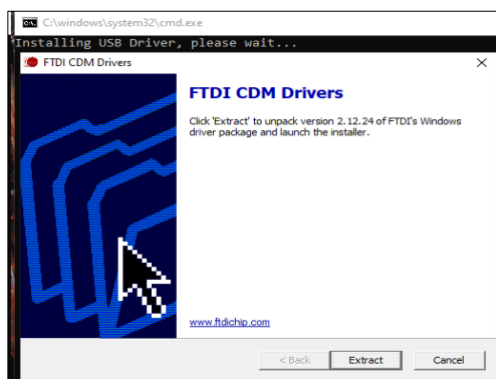
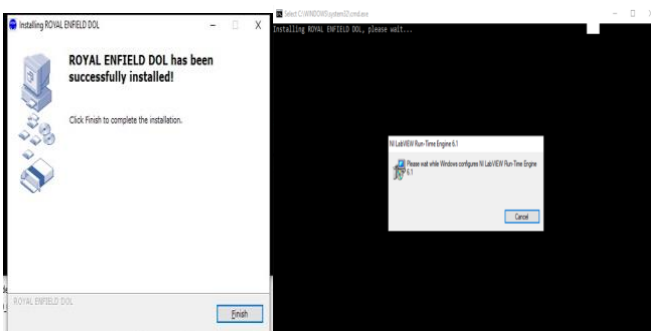
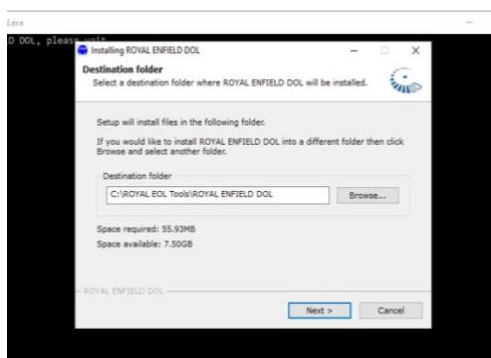
An extension file will be downloaded, right click and select run as administrator. Click more info.



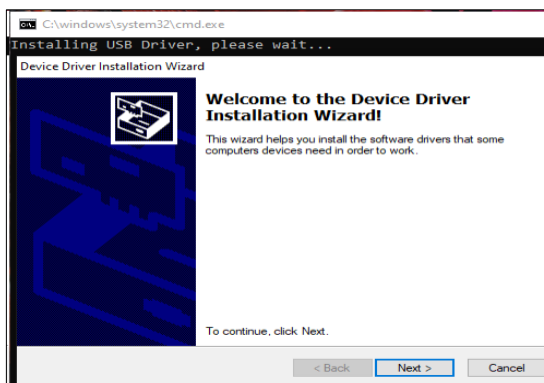


Click on **run anyway**

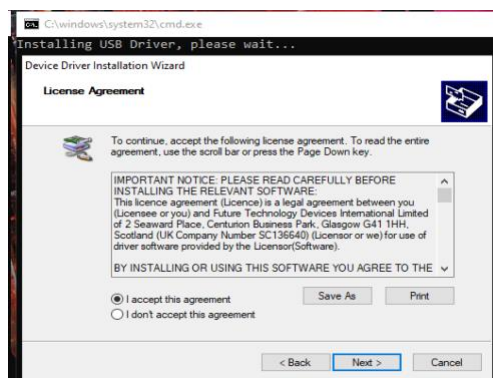
Click **Next**, it will start installing. Once installed, click **finish**



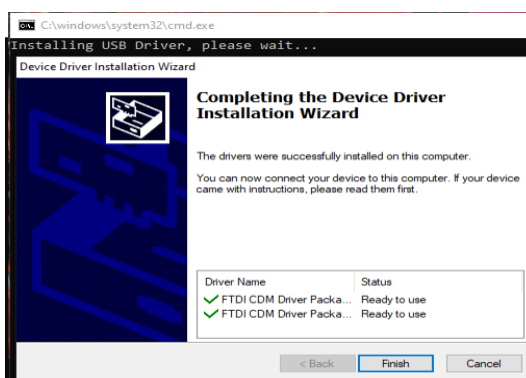
Click **extract**



Click **next**



Click **next**



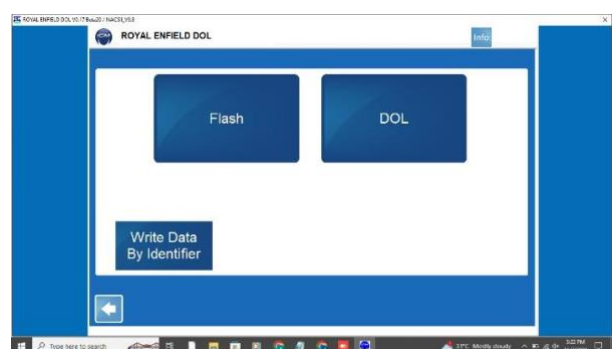
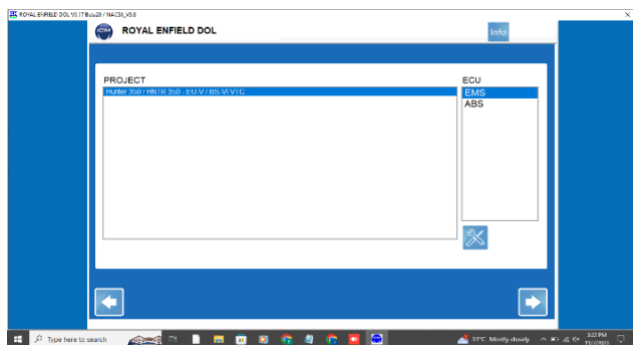
Click **Finish**

After installation is finished an icon will be created on the desktop / replace the existing

Step 2: Software update to ECU:

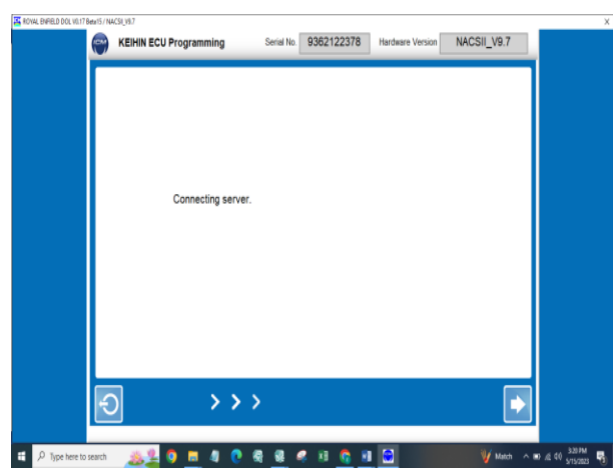
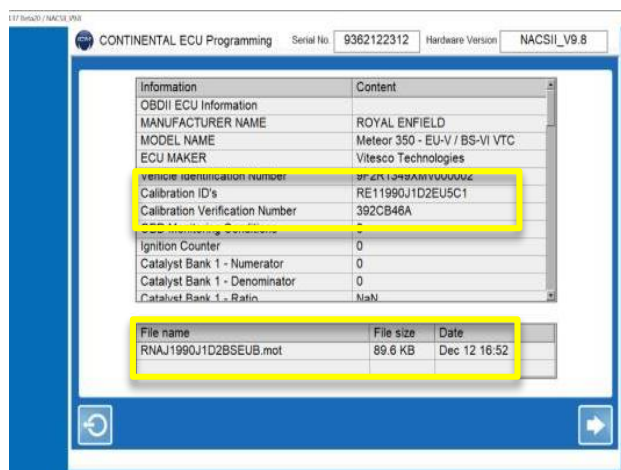
After installation connect the DOL tool to the motorcycle and the USB to the laptop/desktop, the ignition key and kill switch should be on condition, click on the ROYAL ENFIELD DOL V0_17_BETA26 icon it will automatically navigate and show the models. Else manually select the following model and select <EMS> as below

- **Meteor 350 _ EU-V / BS-VI VTC**
- **Hunter 350 / HNTR 350 _ EU-V / BS-VI VTC**
- **All New Classic 350 / Signals 350 / Bullet 350 _ EU-V / BS-VI VTC**

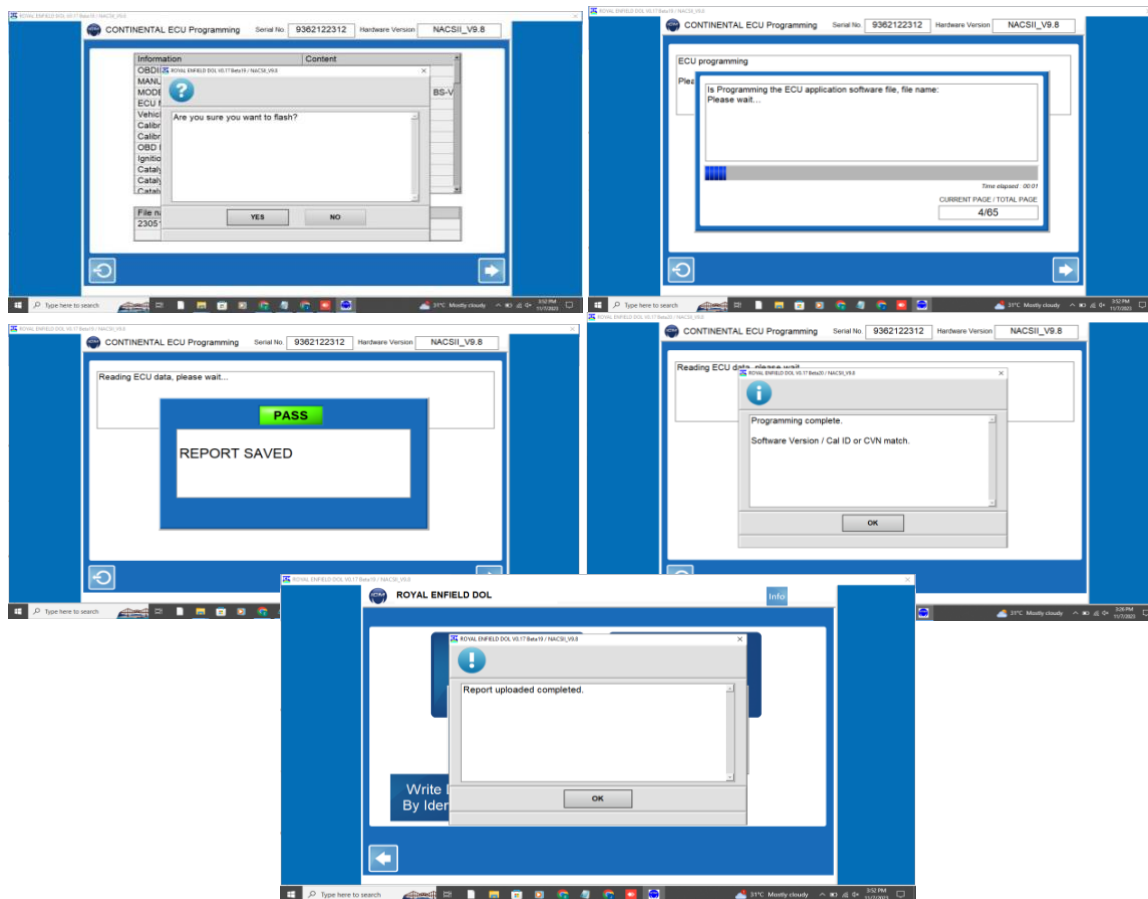


Ensure once the server is connected click on <FLASH>

For example, The FOLLOWING WINDOW WILL OPEN CLICK <RIGHT ARROW KEY> to flashing



Click <YES> flash file will be download and updated into the ECU.



ECU UPDATE IS COMPLETED. The report has been saved click on <OK>
After flashing, kindly verify the ECU is updated with New CVN and new CAL ID

Sl. no	Original CAL ID/HEX File	OLD CVN	Model	New CAL ID /HEX File	NEW CVN	WARRANTY FRT CODE	Remarks
1	RE1S700J1AEU5C01	11C31CD5	All New Classic 350 / Signals 350 / Bullet 350 _ EU-V / BS-VI VTC	RE1S970J1AEU5C02	BC8A0ABF	ECUMETEUR01	Idling adaption is required in this update
2	RE1S970J1AEU5C02	2BC86472	All New Classic 350 / Signals 350 / Bullet 350 _ EU-V / BS-VI VTC	RE1S970J1AEU5C02	BC8A0ABF	ECUFLS01	
3	RE11990J1A1EU5C1	BB70AC7B	All New Classic 350 / Signals 350 / Bullet 350 _ EU-V / BS-VI VTC	RE11990J1A1EU5C1	7C943E66	ECUFLS01	
4	RE1S970J1CEU5C02	A7FA9115	Hunter 350 / HNTR 350 _ EU-V / BS-VI VTC	RE1S970J1CEU5C02	89C9E73A	ECUFLS01	
5	RE11990J1C1EU5C1	C20A64F	Hunter 350 / HNTR 350 _ EU-V / BS-VI VTC	RE11990J1C1EU5C1	BFFA7DED	ECUFLS01	
6	RE1S700J1DEU5C01	2165711A	Meteor 350 _ EU-V / BS-VI VTC	RE1S700J1DEU5C01	BB569BF9	ECUFLS01	
7	RE1S700J1DEU5C01	920CD3B3	Meteor 350 _ EU-V / BS-VI VTC	RE1S700J1DEU5C01	BB569BF9	ECUFLS01	
8	RE1S970JD2EU5C02	2241A0DD	Meteor 350 _ EU-V / BS-VI VTC	RE1S970JD2EU5C02	B503CE10	ECUFLS01	



Technical Support - Service

5
STANDARD OPERATING PROCEDURE

SOP-Throttle body ECU Software update for the complaint of DTC P0106 and P0196 through RE DOL PC software

SOP No: 38
Rev. No: NA
Model: Meteor 350/All new classic 350/ Hunter 350/Bullet 350

9	RE11990J1D2EU5C1	392CB46A	Meteor 350 _ EU-V / BS-VI VTC	RE11990J1D2EU5C1	AC3BD705	ECUFLS01	
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Information	Content
OBDII ECU Information	
MANUFACTURER NAME	ROYAL ENFIELD
MODEL NAME	Meteor 350 - EU-V / BS-VI VTC
ECU MAKER	Vitesco Technologies
Vehicle Identification Number	8EZDJELT5PA000541
Calibration ID's	RE11990J1D2EU5C1
Calibration Verification Number	AC3BD705

CONTINENTAL ECU Programming		Serial No.	9362122312	Hardware Version	NACSII_V9.8
Information	Content				
OBDII ECU Information					
MANUFACTURER NAME	ROYAL ENFIELD				
MODEL NAME	Meteor 350 - EU-V / BS-VI VTC				
ECU MAKER	Vitesco Technologies				
Vehicle Identification Number	8EZDJELT5PA000541				
Calibration ID's	RE11990J1D2EU5C1				
Calibration Verification Number	AC3BD705				
OBD Monitoring Conditions	0				
Ignition Counter	0				
Catalyst Bank 1 - Numerator	0				
Catalyst Bank 1 - Denominator	0				
Catalyst Bank 1 - Ratio	NaN				

Once Flashing is completed, click **DOL PAGE / INFO / MODE 09** or in the same Flash option to **verify the ECU is updated**

Switch off the IG KEY and KILL switch for min 30 sec.

Flashing is completed.

Test drives the Motorcycle and hand it over to the customer.

Note: In table shown above, for SI no.1 there is a change in the Hex file along with CVN number. Hence ensure idling adaption is done for those motorcycles.