



NUMBER: 14-003-22 REV. A

GROUP: 14 - Fuel System

DATE: June 4, 2022

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This bulletin supersedes Technical Service Bulletin (TSB) 14-003-22, date of issue February 11, 2022, which should be removed from your files. All revisions are highlighted with **asterisks**** and include an additional sales code.**

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 22-028, date of issue February 11, 2022. All applicable Sold and Un-Sold RSU VINs have been loaded. To verify this RSU service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. All repairs are reimbursable within the provisions of warranty. This RSU will expire 18 months after the date of issue.

SUBJECT:

6.4L Fuel Injector High Flow Misfire

OVERVIEW:

This bulletin involves inspecting the Julian date on the fuel rails, fuel injectors and possibly replacing fuel injectors.

MODELS:

| | | |
|------|------|---------------------|
| 2021 | (LA) | Dodge Challenger |
| 2021 | (WD) | Dodge Durango |
| 2021 | (WK) | Jeep Grand Cherokee |
| 2021 | (LD) | Dodge Charger |
| 2021 | (JL) | Jeep Wrangler |

NOTE: This bulletin applies to vehicles within the following markets/countries: North America, APAC, EMEA and LATAM.

NOTE: This bulletin applies to vehicles built on or after March 16, 2021 (MDH 0316XX) and on or before August 11, 2021 (MDH 0811XX) equipped with the 6.4L V8 SRT Hemi MDS Engine (Sales Code ESG) **or an 6.4L V8 SRT Hemi Engine (Sales Code ESH)****.**

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that one or more of the following Diagnostic Trouble Codes (DTCs) have been set:

- P0300 - Multiple Cylinder Misfire.
- P0301 - Cylinder 1 Misfire.
- P0302 - Cylinder 2 Misfire.
- P0303 - Cylinder 3 Misfire.
- P0304 - Cylinder 4 Misfire.
- P0305 - Cylinder 5 Misfire.
- P0306 - Cylinder 6 Misfire.
- P0307 - Cylinder 7 Misfire.

- P0308 - Cylinder 8 Misfire.

The customer may also describe:

- Rough idle or misfire while driving.

DIAGNOSIS:

If a customer's VIN is listed in VIP or your RSU VIN list, perform the Inspection Procedure. **This RSU only applies to vehicles on the RSU VIN list.**

1. Lift the engine cover retaining grommets off the ball studs and remove the engine covers.
2. Remove the fuel rail injector covers (Fig. 1) .

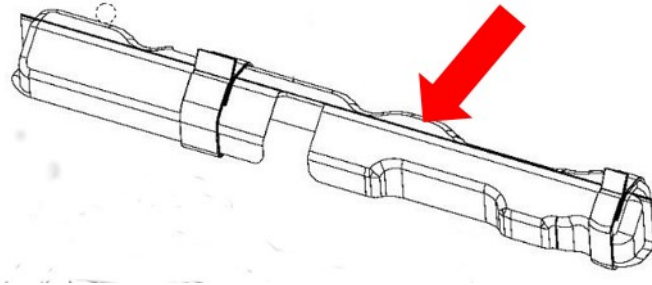


Fig. 1
Fuel Injector Cover

3. Inspect the Julian date on both fuel rails (Fig. 2) .



Fig. 2
Fuel Rail Julian Date

4. Does the Julian date start with one of the following: **62M, 63M or 64M** (Fig. 2) ?
 - YES>>> Proceed to [Step 5](#).
 - NO>>> Install the fuel injector covers and engine cover. Normal diagnosis should be performed, use inspection LOP (14-30-20-9D) to close the active RSU.

NOTE: Fuel injectors may require rotation and an inspection mirror and light to read Julian dates.

- 5. Inspect all eight fuel injector Julian dates (Fig. 3) .

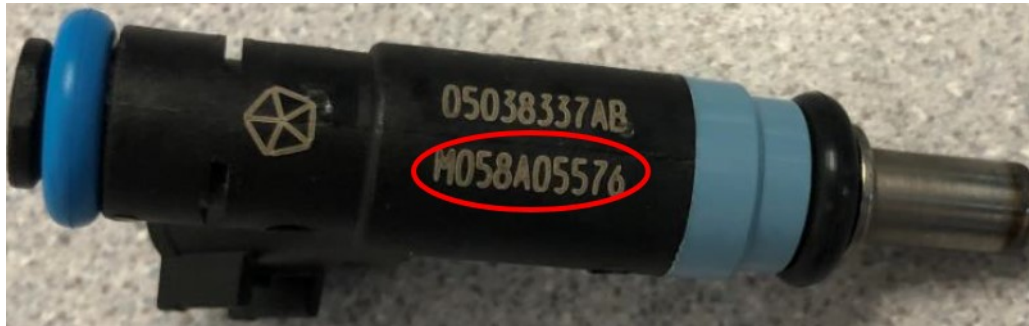


Fig. 3
Fuel Injector Julian Date

- 6. Were any of the fuel injector Julian dates (Fig. 3) between M058A05490 and M058A05823?
 - YES>>> Proceed to Step 1 of the Repair Procedure.
 - NO>>> Install the fuel injector covers and engine cover. Normal diagnosis should be performed, use inspection LOP (14-30-20-9D) to close the active RSU.

PARTS REQUIRED:

| Qty. | Part No. | Description |
|------|------------|---------------|
| (AR) | 05038337AB | Fuel Injector |

NOTE: The fuel injector O-rings may be used again, provided no cuts, tears, or deformation have occurred.

REPAIR PROCEDURE:

NOTE: Do not automatically replace all eight fuel injectors Only replace the fuel injectors attached to fuel rails labeled with a Julian date starting with an 62M, 63M or 64M.

1. Replace the fuel injector(s) labeled with Julian dates between M058A05490 and M058A05823 on that banks fuel rail. Refer to the detailed service procedures available in DealerCONNECT/ Service Library under: Service Info>14 - Fuel System / Fuel Injection, Gas / Injector(s), Fuel / Removal and Installation.
2. Clear any DTCs that may have been set.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

| Labor Operation No: | Description | Skill Category | Amount |
|----------------------------|--|-----------------------------------|---------------|
| 14-30-20-9D | Inspect Build Dates on Fuel Rail and/or Fuel Injectors (2 - Skilled) | 1 - Engine Repair and Performance | 0.3 Hrs. |
| 14-30-20-9E | Inspect Build Dates on Fuel Rail and/or Fuel Injectors and Replace up to 5 Fuel Injectors (2 - Skilled) | 1 - Engine Repair and Performance | 0.6 Hrs. |
| 14-30-20-9F | Inspect Build Dates on Fuel Rail and/or Fuel Injectors and Replace from 6 to 8 Fuel Injectors (2 - Skilled) | 1 - Engine Repair and Performance | 0.7 Hrs. |

FAILURE CODE:

| | |
|----|----------------|
| ZZ | Service Action |
|----|----------------|