Investigation: DP 22-001
Prompted by: Defect Petition
Date Opened: 05/27/2022
Investigator: Donte Kirksey
Reviewer: Peter Kivett
Approver: Stephen Ridella
Subject: Loss of Motive Power

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Ford Motor Company
Products: 2021 Ford Bronco
Population: 25,538

Problem Description: Under normal driving conditions without warning the vehicle may experience a loss of motive power without restart due to catastrophic engine failure related to a faulty valve within 2.7 L Eco-Boost Engines

FAILURE REPORT SUMMARY

<table>
<thead>
<tr>
<th></th>
<th>ODI</th>
<th>Manufacturer</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complaints:</td>
<td>32</td>
<td>0</td>
<td>32</td>
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<tr>
<td>Crashes/Fires:</td>
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<tr>
<td>Injury Incidents:</td>
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<tr>
<td>Fatality Incidents:</td>
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<td>0</td>
<td>0</td>
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ACTION / SUMMARY INFORMATION

Action: Further evaluation of Defect Petition for a grant or deny decision

Summary:
The Office of Defects Investigation (ODI) received three petitions on March 17, 2022, March 18, 2022, and March 29, 2022, requesting a defect investigation into an alleged defect of the "valves" on 2021 MY Ford Bronco vehicles equipped with the 2.7L Eco-boost engine. The petitions can be reviewed at NHTSA.gov under ODI numbers 11461178, 11460125, and 11460124.

The petitioners alleged that 2021 MY Ford Broncos vehicles are experiencing loss of motive power at highway speeds with no-restart due to catastrophic engine failures.

This defect petition has been opened to evaluate the issue and determine whether to grant or deny the petitions.

The petitioners identified a number of complaints received by NHTSA alleging complete engine failure. The ODI complaints cited above can be reviewed at NHTSA.gov under the following ODI numbers: 11459262, 11457360, 11456713, 11456219, 11455294, 11454100, 11454098, 11453933, 11453669, 11452692, 11452595, 11452074, 11451957, 11451503, 11451158, 11450879, 11450871, 11450788, 11450737, 11450702, 11450659, 11448737, 11448461, 11448393, 11448171, 11441831, 11441378, 11441295, 11406545.