

FCA US LLC Chronology
2018 Jeep Cherokee Halfshaft Bearing Cage Improper Heat Treat
Submitted on July 26, 2018

- On February 1, 2018, a Jeep Cherokee all-wheel drive vehicle with 892 miles was brought into a dealer with complaints of a right front clicking noise and occasional vehicle surge or stall. The vehicle was road tested and a broken right front halfshaft was replaced.
- Between February, 2018 and March, 2018 GKN reviewed the failed halfshaft and found a damaged bearing cage. Reproduction tests were done to duplicate the failure mode and it was found that the bearing cage did not satisfy the supplier's heat treating specifications. A specific halfshaft bearing cage lot was found to be improperly heat treated between the dates of October 24, 2017 and October 25, 2017.
- Between March 2018 and June 12, 2018, the failed halfshaft part analysis continued, results were shared with the FCA US Quality organization and it was determined through traceability information that the suspect bearing cages were built into approximately 764 halfshafts and assembled into Jeep Cherokee all-wheel drive vehicles between October 30, 2017 and November 4, 2017.
- On June 13, 2018, the FCA US Vehicle Safety and Regulatory Compliance ("VSRC") organization opened an investigation, as a result of the FCA US Quality organization making it aware of the halfshaft bearing cage heat treat issue.
- Between June 13, 2018 and June 27, 2018, meetings between FCA US VSRC, Supplier Quality Engineering and Driveline Engineering were conducted to better understand the potential consequences. It was determined that the improper heat treatment of the halfshaft bearing cage may result in a halfshaft failure resulting in a potential for inadvertent movement due to a loss of park on certain KL all-wheel drive vehicles.
- As of July 10, 2018, FCA US LLC ("FCA US") identified 0 CAIRs, 0 VOQs and 0 field reports related to this issue.
- As of July 10, 2018, total warranty is 1 claim, or 1.3 c/1000 in the affected population.
- As of July 10, 2018, FCA US is unaware of any accidents or injuries potentially related to this issue.
- On July 19, 2018, FCA US determined, through the Vehicle Regulations Committee, to conduct a voluntary safety recall of the affected vehicles.