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| Subject: | “Thor-50M Drawing Package with Alternate Shoulders” | Date: |  |
|  |  | 06/28/2023 |
| From: | Tim Johnson  Acting Associate Administrator  Vehicle Safety Research |  |  |
|  |
| To: | Docket Number: NHTSA-2019-0106  NHTSA Crashworthiness Research - THOR-50M Documentation |
|  |
| Through: | Terrence Sommers  Assistant Chief Counsel  Vehicle Standards and Harmonization |

The “Thor-50M Drawing Package with Alternate Shoulders” package includes numerous updates based on user comments and incorporates callouts and designs of the non-patented NHTSA alternative shoulder design. A comprehensive list of changes is included in the file “Thor-50M with Alternate Shoulders Drawing Revisions-Jan 2023-V2.pdf” file.

Attachment