DRAWING SIZE E

## NOTES:

1. APPLICABLE STANDARDS/SPECIFICATIONS:
   A. DOD-STD-00100D(AR)
   B. ANSI Y14.5M-1982

2. ASTM E380 APPLIES. METHOD B SHALL BE USED IN CONVERTING AND ROUNDING OFF. 1 INCH = 25.4 mm APPLIES.

(3) GREASE AT INSTALLATION AND AT REGULAR INTERVALS WITH MIL-G-10924.

(4) FOR BOLT AND COLLAR INSTALLATION, INSPECT IAW 12422434.

(5) NEXT ASSEMBLY:
12422000, 12422001, 12422003, 12422004, 12422005, 12422006, 12422007, 12422008, 12422009, 12422010, 12422011, 12422012.

(6) APPLY MIL-S-46163 TYIGRK THREAD LOCKING COMPOUND AT ASSEMBLY.

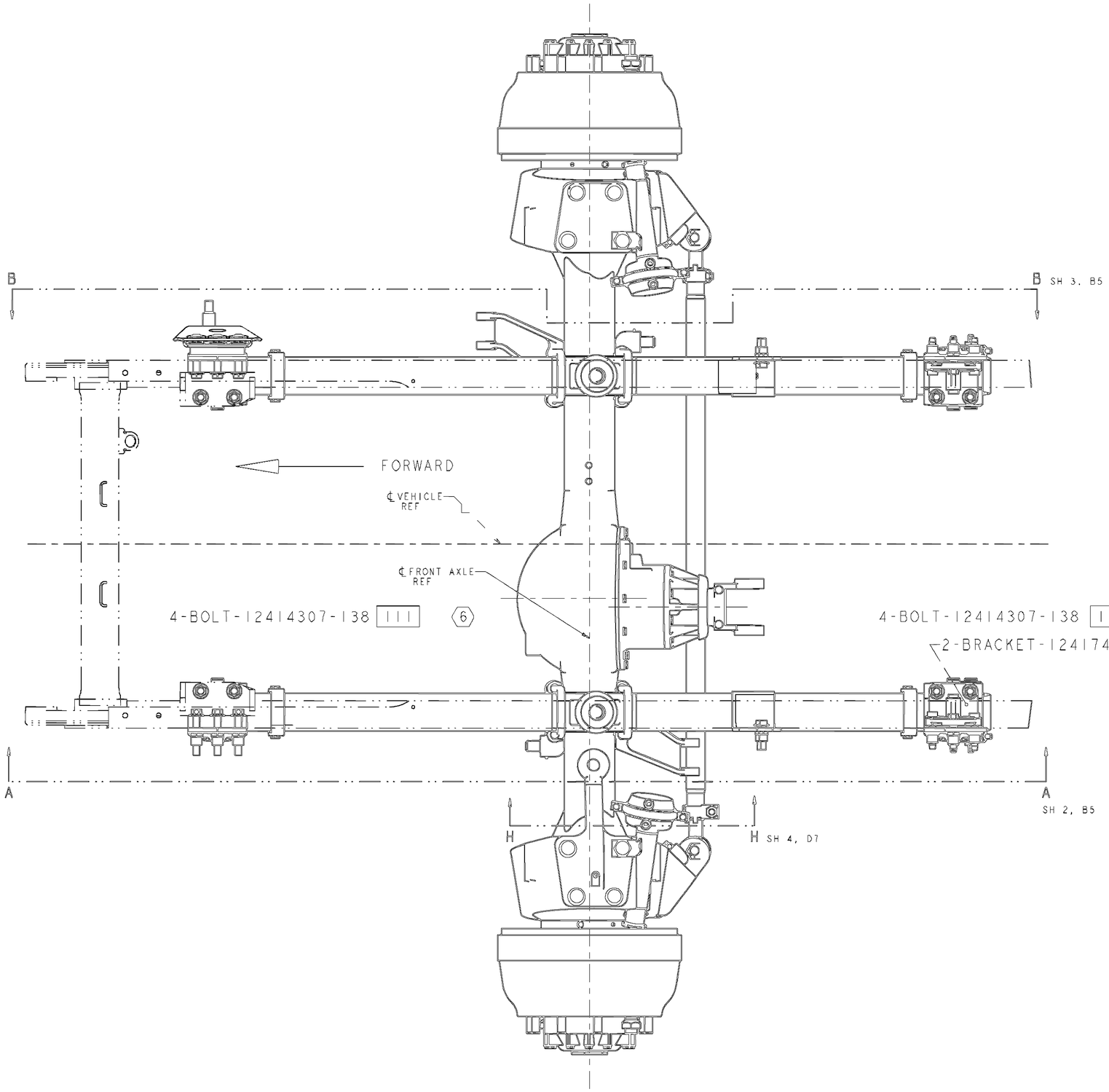
(7) IAW DOD-W-63546/8.

8. TORQUE REQUIREMENTS:

| SYM | TORQUE VALUES | THREAD |
|---|---|---|
| I | 47-63 Nm (35-46 LB-FT) | M10 X 1.25 |
| II | 100-130 Nm (74-96 LB-FT) | M12 X 1.5 |
| III | 265-325 Nm (195-240 LB-FT) | M16 X 1.5 |
| IV | 529-691 Nm (390-510 LB-FT) | M18 X 1.5 |
| V | 210±21 N-m (155±16 LB-FT) | M20 X 1.5 |

(9) APPLY THREAD LOCKING COMPOUND SEALANT IAW MIL-S-46163. TORQUE MOUNT TO 1-1 1/2 TURNS WITH STRAP WRENCH AFTER CONTACTING PLATE 12417393.

(10) TOTAL TOE REQUIREMENT AT FINAL VEHICLE CONFIGURATION, AFTER ROAD TEST:
CHECK LIMIT 1/16"±1/16"
(.08°±.08°)
RESET LIMIT 1/16"±1/32"
(.08°±.04°)




REVISIONS

| MODEL REV | DRAWING REV | ZONE | DESCRIPTION | DATE(YEAR-MO-DA) | APPROVED |
|---|---|---|---|---|---|
| — | — | — | INITIAL RELEASE<br>-PRODUCT BASELINE-<br>ERR SSS-R6312 | - | — |
| | A | | THIS ECP INCORPS DEV D692<br>1) SEE SHEET 4<br>ERR SSS-R6549 | 00-05-17 | D. GRANTHAM<br>SEH SEH |
| | B | F8<br>F4<br>D4 | 1) ADDED LINE TO CHART ON NOTE 8<br>2) ADDED RESILIENT MOUNT<br>3) ADDED RESILIENT MOUNT<br>4-8) SEE SHEET 2<br>9-14) SEE SHEET 3<br>15) SEE SHEET 4<br>ERR SSS-R6801 | 00-06-12 | B. BURSON<br>TJG BB |
| | C | G8 | REVISED IAW DEV D574-21<br>1) REVISED NOTE 4. WAS:<br>INSTALL IAW MANUFACTURER'S INSTRUCTIONS, INSPECT PER 12420340<br>2-5) SEE SHEET 2<br>6-8) SEE SHEET 3<br>ERR SSS-R6840 | 00-08-09 | R. BEHRENS<br>MG KJR |
| | D | F8<br>F8<br>F4<br>D4 | 1) REVISED TORQUE TABLE<br>2) ADDED FLAG NOTE 9<br>3) REVISED GEOMETRY<br>4) REVISED GEOMETRY<br>5-6) SEE SHEET 2<br>7-8) SEE SHEET 3<br>9-13) SEE SHEET 4<br>ERR SSS-R6876 | 01-01-10 | J. NICHOLSON<br>MG JIN |
| | E | | REVISED IAW DEV D974<br>1) SEE SHEET 2<br>2) SEE SHEET 3<br>3-6) SEE SHEET 4<br>ERR SSS-R6714 | 02-03-28 | T. FON<br>RR TSF |
| | F | F8<br>G8<br>C4<br>A4 | ADDED SHEET 5<br>1) ADDED NOTE 10<br>2) ADDED TORQUE V TO TABLE IN NOTE 8<br>3) ADDED SECTION PLANE H-H<br>4) DISTRIBUTION STATEMENT C WAS A<br>5-8) SEE SHEET 2<br>9-12) SEE SHEET 3<br>13) SEE SHEET 4<br>ERR SSS-U7374 | 03-03-03 | B. PUSTKA<br>HJH BP |
| | G | | REVISED IAW DEV D709<br>1) SEE SHEET 4<br>ERR SSS-U7402 | 03-06-25 | J. ROGERS<br>RRS SC |

| F | G | F | F | G |
|---|---|---|---|---|
| SHEET 5 | SHEET 4 | SHEET 3 | SHEET 2 | SHEET 1 |

REVISION STATUS OF SHEETS

THIS DRAWING WAS GENERATED FROM A DXF FILE. NO MODELS USED.

PART NO. 12421993

DISTRIBUTION STATEMENT C:
DISTRIBUTION AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR CONTRACTORS.
REASON: ADMINISTRATIVE OR OPERATIONAL USE.
DATE OF DETERMINATION: 02-12-20
OTHER REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO THE U.S. ARMY TANK AUTOMOTIVE AND ARMAMENTS COMMAND, ATTN: SFAE-CSS-MT. WARREN, MICHIGAN 48397-5000.

DESTRUCTION NOTICE: FOR UNCLASSIFIED, LIMITED DOCUMENTS, DESTROY BY ANY METHOD THAT WILL PREVENT DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE DOCUMENT.

PMIC NA

MECHANICAL PROPERTIES
YP
TS
EL2
RA
BH
RH

5 NEXT ASSY | FMTV A1 USED ON
APPLICATION

METRIC
DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
TOLERANCES ON ANGLES ± °
1 PLACE DECIMALS ±
2 PLACE DECIMALS ±
THIRD ANGLE PROJECTION
MATL ENGR M. CHURCH
MODELED BY

CONTRACT NUMBER DAAE07-92-C-R001
CONTRACTOR STEWART & STEVENSON SERVICES
DRAWN BY B. CEVALLOS — DATE (YR-MO-DA) 97-06-06
CHECKER P. VAUGHAN — ENGINEER R. BALENENE
ENGINEER — QUALITY ENGINEER P. FIESTER
DRAWING APPROVAL M. TOWNSEND
DESIGN APPROVAL M. TOWNSEND

DESIGN ACTIVITY
U.S. ARMY, TANK AUTOMOTIVE COMMAND
WARREN, MICHIGAN 48397-5000

SUSPENSION SYSTEM INSTALLATION, FRONT

SIZE E | CAGE CODE 19207 | DWG NO 12421993
SCALE 1/4 | UNIT WT. Kg REF | SHEET 1 OF 5

FORMAT: E_FMTV_MET_1_2