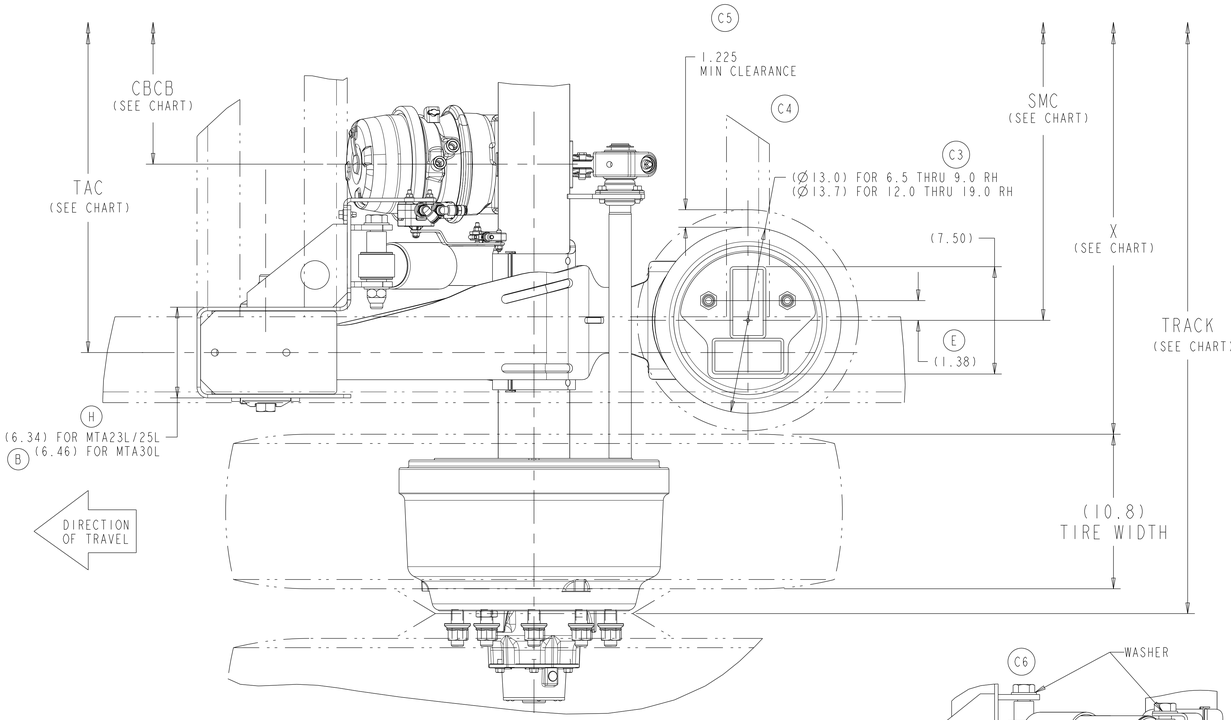
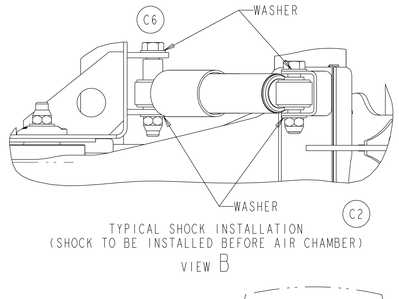
EXPORT_CONTROL: HARD_WARE=EAR - EAR99,EXPORT_CONTROL=EAR - EAR99 STATE: Engineering Released Revision: K.3

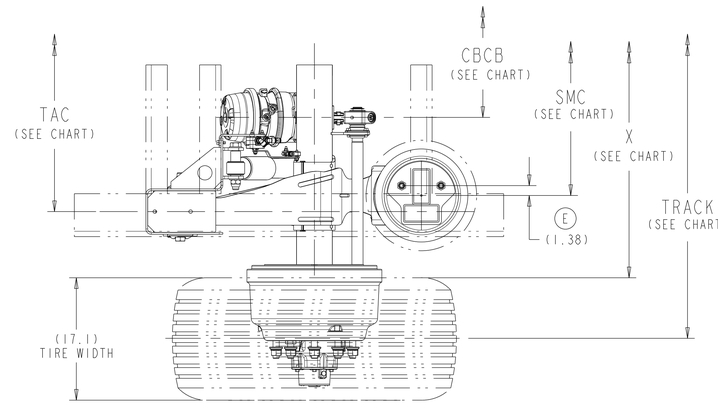



DUAL WHEEL APPLICATION




TYPICAL SHOCK INSTALLATION
(SHOCK TO BE INSTALLED BEFORE AIR CHAMBER)
VIEW B

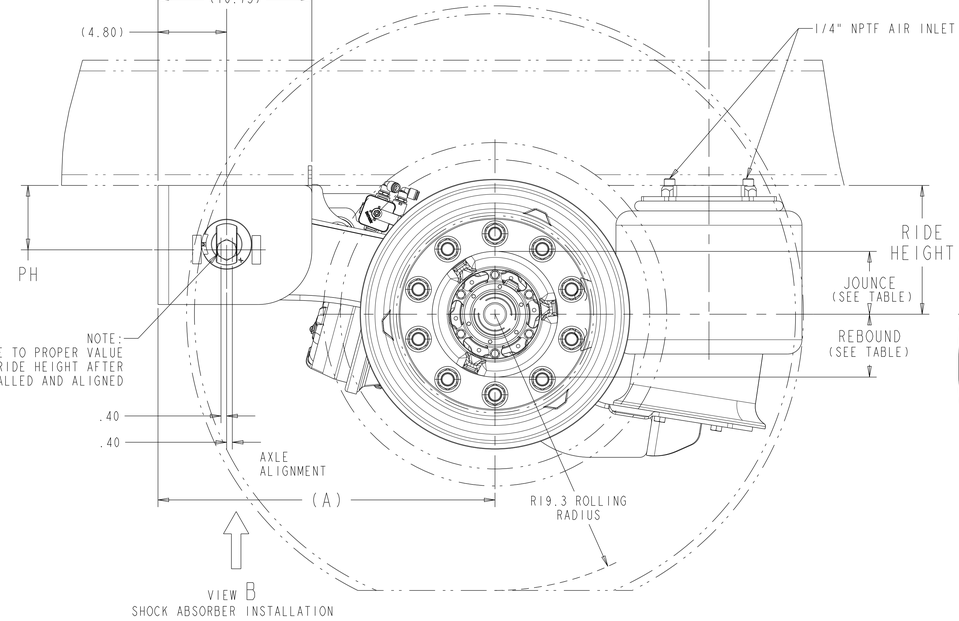
| APPLICATION | STD TRACK REF | CAM CLOCKING | X REF | CBCB REF | | SMC | TAC |
|---|---|---|---|---|---|---|---|
| | | | | 16.5" BRAKE | 15" BRAKE | | |
| DUAL WHEEL | 71.5 | BAR-90° | 46.4 | 8.71 | 9.65 | 30.5 | 35.0 |
| DUAL WHEEL | 77.5 | BAR-90° | 52.4 | 14.71 | 15.65 | 36.5 | 41.0 |
| ◑ SUPER SINGLE | 83.5 | BAR-90° | 66.4 | 20.71 | 21.65 | 42.5 | 47.0 |



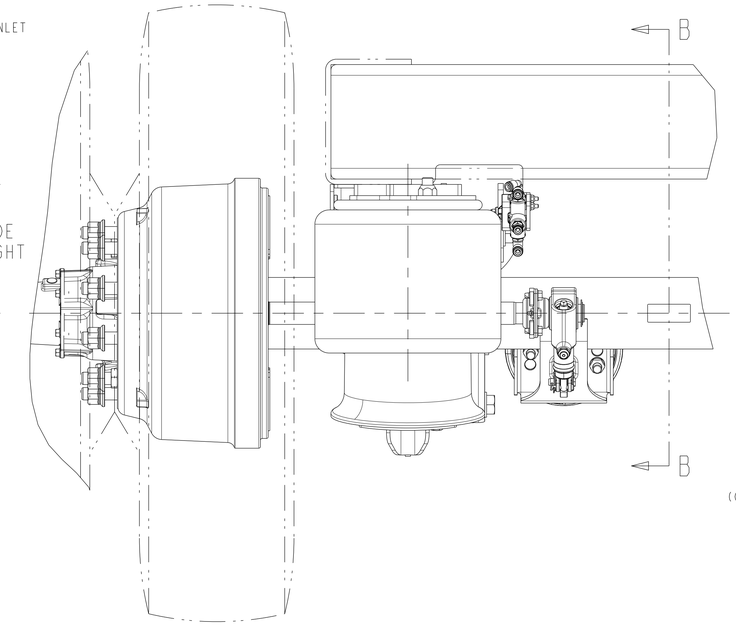

SCALE 1:8

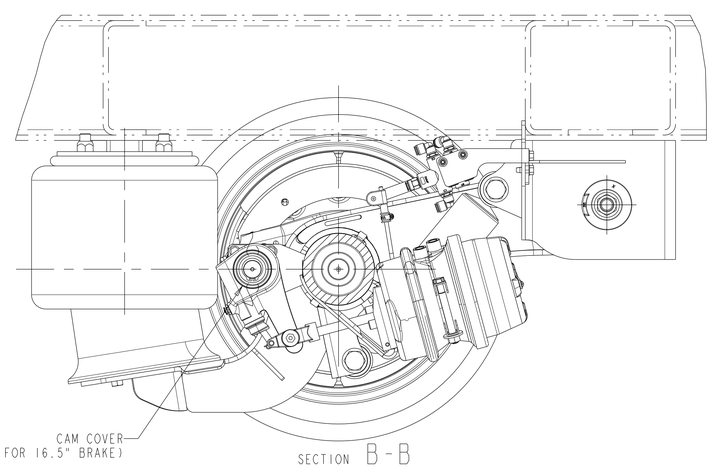
SUPER SINGLE APPLICATION

| SIM.PARTS - | | | |
|---|---|---|---|
| REVISIONS | | | |
| A | RELEASED 5-66734U_01 FOR PRODUCTION. | 117163 08-Nov-11 | AJ KHK |
| B | ADDED MTA30L DETAILS & TABULATED DIM "A" | 117478 02-Jan-12 | AJ SJP |
| C | 1-UPDATED VIEWS TO REFLECT THE CHANGES IN RHCV DESIGN. 2-ADDED VIEW FOR SHOCK INSTALLATION. 3-ADDED AIR SPRING DETAILS. 4-DIMENSION REMOVED. 5-DIMENSION ADDED. 6-CHANGED UPPER SHOCK BOLT ORIENTATION. | 118970 19-Jun-12 | LGS SJP |
| D | UPDATED VIEWS TO SHOW LATEST RELEASED SUSPENSION COMPONENTS. 1-DIM WAS (10.94) | 119718 18-Sep-12 | LGS SVM |
| E | ADDED REF. DIMENSIONS. | 122694 28-Oct-13 | KHK SKS |
| F | ADDED AIR CHAMBER PORT LOCATION NOTE. | 123868 03-Apr-14 | SD AK |
| G | UPDATED 5-66734U_01 LAYOUT TO REFLECT THE CHANGES IN SHOCK ABSORBER BRACKET. | 124403 07-Jul-14 | SD ARS |
| H | ADDED MTA23L INFO. | ECN-143200 04-Oct-17 | LGS SKS |
| J | NEVER RELEASED | - | - |
| K | UPDATED RHCV REPRESENTATION | ECN-165357 04-AUG-20 | EN SD |




VIEW B
SHOCK ABSORBER INSTALLATION




SECTION B-B

| CAD FILES | |
|---|---|
| NAME | TYPE |
| 5-66734U K.4 | DRAWING |
| 5-66734U K.4 | MODEL |

| (B) (H) PH | RIDE HEIGHT MTA23L/25L | RIDE HEIGHT MTA30L | JOUNCE | REBOUND | A |
|---|---|---|---|---|---|
| 4.5 | 6.5" | - | 1.9 | 5.3 | 23.98 |
| | 7.5" | - | 2.9 | 4.3 | 23.85 |
| | 8" | - | 3.4 | 3.8 | 23.76 |
| | 9" | 9" | 4.4 | 4.3 | 23.55 |
| 9.0 | 12" | 12" | 4.9 | 4.3 | 23.85 |
| | 14" | 14" | 5.5 | 3.5 | 23.42 |
| | 15" | 15" | 5.2 | 3.4 | 23.13 |
| 13.0 | 16" | 16" | 5.4 | 3.9 | 23.85 |
| | 17" | 17" | 5.6 | 3.6 | 23.66 |
| | 19" | 19" | 5.3 | 3.4 | 23.13 |

(B) NOTES:

5.75 LONG PUSH ROD REQUIRED.

PROPER VEHICLE FRAME DESIGN IN THE AREA OF SUSPENSION ATTACHMENT IS THE RESPONSIBILITY OF THE INSTALLER.

SUSPENSION SERIES: MTA23L/ MTA25L / MTA30L (H)

SUSPENSION STATIC DESIGN CAPACITY = 23,000 LBS (MTA23L) (H)
25,000 LBS (MTA25L)
30,000 LBS (MTA30L)

◑ RATING BASED ON APPLICATION APPROVAL

RATINGS FOR THE COMPONENTS WITHIN AN INDIVIDUAL MERITOR SUPPLIED SUSPENSION ASSEMBLY, INCLUDING BRAKES, HUBS, AND BEARINGS, MAY VARY AND MAY NOT BE EQUAL TO THE NOMINAL SUSPENSION RATING.

NO WELDING OR DRILLING ALLOWED ON TRAILING ARMS

FOR FINAL INSTALLATION TO TRAILER
REFER TO 5-66733G_01

REFER TO SHOP CHART 4-60559_38
FOR TORQUE INFORMATION

DATA BASED ON:
DUAL: TIRE SIZE: 11R22.5
WHEEL OFFSET: 6.62"
SINGLE: TIRE SIZE:445/50R22.5
WHEEL OFFSET: .56"

(F) FOR AIR CHAMBER PORT LOCATION SEE LAYOUT 4-40072_01

(H)
(B) MTA23L/25L/30L WITH DRUM BRAKE
WELD ON APPLICATION - SHOWN AT 9.0" RH

APPLY SPECIFIED MERITOR MARKINGS PER DRAFTING ENGINEERING STANDARDS D-004

THIS PRINT IS LOANED ON A CONFIDENTIAL BASIS SUBJECT TO RETURN UPON DEMAND BY MERITOR AND NOTHING HEREON MAY BE REPRODUCED, USED OR DISCLOSED IN WHOLE OR IN PART WITHOUT THE PRIOR WRITTEN PERMISSION OF MERITOR.

| | | | | | | |
|---|---|---|---|---|---|---|
| MATERIAL - | SEE BILL OF MATERIALS FOR SPECIFIC INDIVIDUAL MODEL INFORMATION | | | | | |
| PROCESS - | APPROVED PROJ.ENG. A.J. | MATERIAL | SPECIAL | DRAWN BY K.H.K 24-Oct-11 | CHECKED BY A.J. 24-Oct-11 | 3RD ANGLE PROJECTION |
| 4 IN. 10THS. 100MM | WEIGHT RGH./FIN. | INQUIRY NO. | C.R./T.E. NO. APP. NO. PCCR 119183 / 119179 | ORIGINAL FOR MTA 23L/25L//30L | SCALE 1:4 | DESIGN CONTROL GROUP W W TRAILER PRODUCTS |

| 117163 | PART/DWG NO. 5-66734U_01 | EDC 11707 |
|---|---|---|
| RELEASE | NAME MTA LOW SERIES SUSP. GROUP | |
| DRAWING SIZE E | MERITOR. | INCH |
| PART NO. | | |



DO NOT CHANGE MANUALLY