



Technical Bulletin

Meritor High Efficiency Tandem Axle Part Number Reference

Meritor High Efficiency Tandem Axle

The new 40,000 lb MT-14X HE drive axle tandem is a premium linehaul axle set focused on improved fuel economy over current models.

Features:

- High-efficiency, high-capability MT-14X platform
- Perfect for linehaul applications
- 30 lbs of weight savings
- Ratio range: 2.15* to 3.90
- Options:
 - DualTrac™
 - DCDL*, available in the forward axle only
- Input torque up to 1,850 lb ft
- GCW: 80,000 lbs

*2.15 standard and DCDL versions, and 2.28 DCDL version available July 2017

Model Nomenclature

The MT4014H drive axle tandem consists of an MD2014H forward axle and an MR2014E rear rear drive axle. Figure 1.

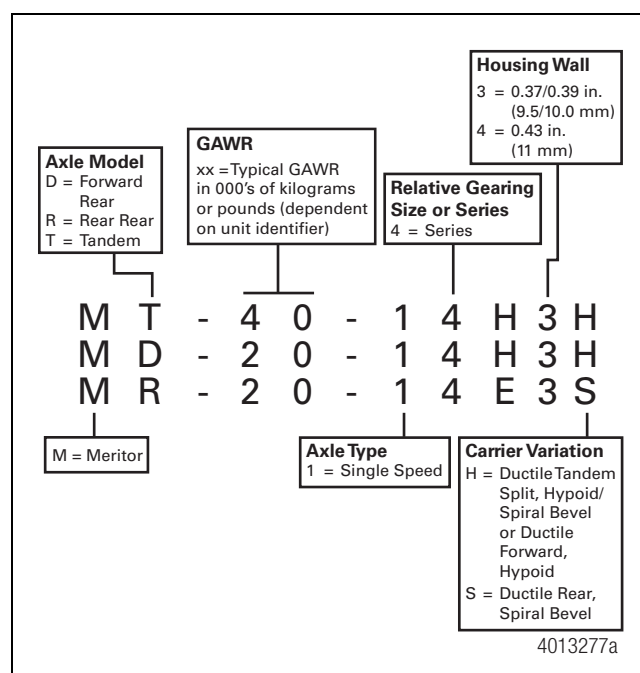


Figure 1

How to Obtain Additional Maintenance, Service and Product Information

Refer to the following publications. To obtain these publications, visit Literature on Demand at meritor.com.

Table A: Meritor Publications

Publication	Title
Maintenance Manual MM-0970	MT-14X Series Single-Reduction Forward Differential Carriers on Tandem Axles
Maintenance Manual MM-1731	Spiral Bevel Rear Differential Carrier, Rear/Rear Carrier on MT4014H Tandem Drive Axles
Maintenance Manual MM-8	Drive Axle Housings: Welding and Repair Procedures
Parts Book PB-1218	MT-14X Carrier Parts Book

How to Obtain Service Parts

Contact Meritor's Commercial Vehicle Aftermarket at 888-725-9355 for assistance. Always confirm the appropriate part numbers via the axle specification number which can be found on a metal tag located on the axle housing. Figure 2.

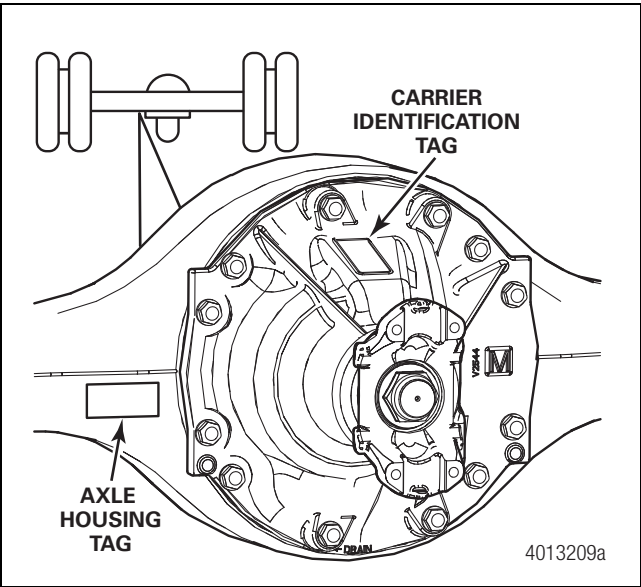


Figure 2

Part Number Reference

Table B: Complete Carriers

Carrier Position	Carrier Assembly	Ratio Range	Option
Forward Rear	H-3200N2484	2.15-2.28	Standard Main Differential
Forward Rear	H-3200M2431	2.47-3.90	Standard Main Differential
Forward Rear	H-3200X2546	2.15-2.28	DCDL
Forward Rear	H-3200P2434	2.47-3.90	DCDL
Rear Rear	A-3200M2535	2.15-2.47	Standard Main Differential
Rear Rear	A-3200N2536	2.64-3.90	Standard Main Differential

NOTE: For ordering purposes, add the ratio to the end of the part number in the table separated by a space. For example, a 228 ratio rear rear would be ordered as part number “H-3200N2482 228”.

When removing and replacing a carrier, use carrier-to-housing reseal kit, part number KIT4294 for the forward and part number KIT4302 for the rear.

Table C: Axle Shafts

Forward Axle Shafts				
Part Number	Length	Mounting Hole	Track	DCDL
3206Q1343	Short	Tapered	Standard	No
3206S1345	Long	Tapered	Standard	No
3206T1346	Short	Straight	Standard	No
3206U1347	Long	Straight	Standard	No
3206E2267	Short	Tapered	DualTrac	No
3206G2269	Long	Tapered	DualTrac	No
3206E2293	Short	Straight	DualTrac	No
3206F2294	Long	Straight	DualTrac	No
3202S9041	Short	Tapered	Standard	Yes
3202U9043	Long	Tapered	Standard	Yes
3202S9483	Short	Straight	Standard	Yes
3202U9485	Long	Straight	Standard	Yes
3206J2272	Short	Tapered	DualTrac	Yes
3206N2276	Long	Tapered	DualTrac	Yes
3206G2295	Short	Straight	DualTrac	Yes
3206J2298	Long	Straight	DualTrac	Yes
Rear Axle Shafts				
3206H2452	Short	Tapered	Standard	No
3206K2455	Long	Tapered	Standard	No
3206L2456	Short	Straight	Standard	No
3206M2457	Long	Straight	Standard	No
3206P2460	Short	Tapered	DualTrac	No
3206R2462	Long	Tapered	DualTrac	No
3206W2623	Short	Straight	DualTrac	No
3206X2624	Long	Straight	DualTrac	No

Table D: Forward Input, Output and Rear Rear Pinion Seals and Tools

Position	Seal Part Number	Seal Driver Part Number	Sleeve Driver Part Number
Forward Rear Input	A1 1205X2728	2728T1	2729T2
Forward Rear Output	A1 1205Y2729	2729T1	2729T2
Rear Rear (2.64-3.90 Ratios)	A1 1205Z2730	2730T1	Not Required — Sleeve is unitized
Rear Rear (2.15-2.47 Ratios)	A1 1205Z2730	2730T1A	Not Required — Sleeve is unitized
Refer to Technical Bulletin TP-0446 for additional information.			

Table E: Miscellaneous Tools

Part Name	Part Number
DCDL Spring Compression Tool Kit	A 3256L1234
DCDL Spring Compression Tool Adapter (comes with the kit above)	A 3256L1234 T1
Yoke Installation Tool	KIT MST-YT114

Driver Controlled Differential Lock (DCDL)

Refer to parts book PB-1218 for the forward carrier DCDL parts.

For 2.15-2.28 ratio carriers (carrier, part number H-3200X2546), use shift fork, part number 3296D1539, and sensor switch, part number 3237D1536.

Output Shaft Assembly

Refer to parts book PB-1218 for the forward axle output shaft assembly parts.

Starting in May 2017, for 2.15-2.28 ratio carriers (carrier, part number H-3200X2546), use output shaft, part number 3297Z1820F, to mate with the new designed rear side gear, part number 2234B1510. Existing 14X carriers (all ratios) can be upgraded with a new side gear and output shaft together using a kit.



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