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PARTS MANUAL FOR MTL CARRIER ASSEMBLY

MARMON-HERRINGTON ALL-WHEEL DRIVE

13001 Magisterial Drive • Louisville, KY 40223 (502) 253-0277 • (800) 227-0727 • Fax (502) 253-0317 E-mail: info@marmon-herrington.com

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REPLACEMENT PARTS

When ordering replacement parts for **MARMON-HERRINGTON LOW FLOOR** conversions, the following information should be given:

- FACTORY ORDER NUMBER (found on I.D. Plate or small plate affixed to axle housing). This will be a six (6) digit number. (See illustrations this page.)
- 2. Component for which parts are required, i.e. front drive axle or transfer case/drop box.
- 3. Model of axle and/or transfer case/drop box, i.e. MT10, MVG 750, MDB500.
- 4. Give quantity and part number required. **NOTE:** Drive lines, shift linkage, etc., can be found on the computer print out of Bill of Material, which is included in the Service Manual.
- 5. Give complete billing and shipping address.

WARRANTY CLAIM PROCEDURE

Before proceeding with repairs or ordering parts that you feel may be covered under warranty, you must first contact Marmon-Herrington Customer Service Department and obtain a Repair Authorization Number.

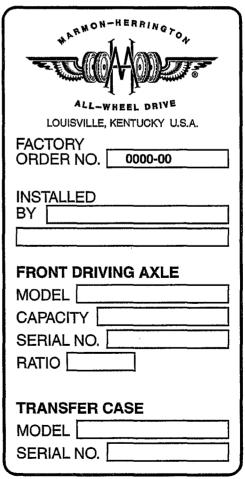
Please be prepared to supply <u>all</u> of the following information:

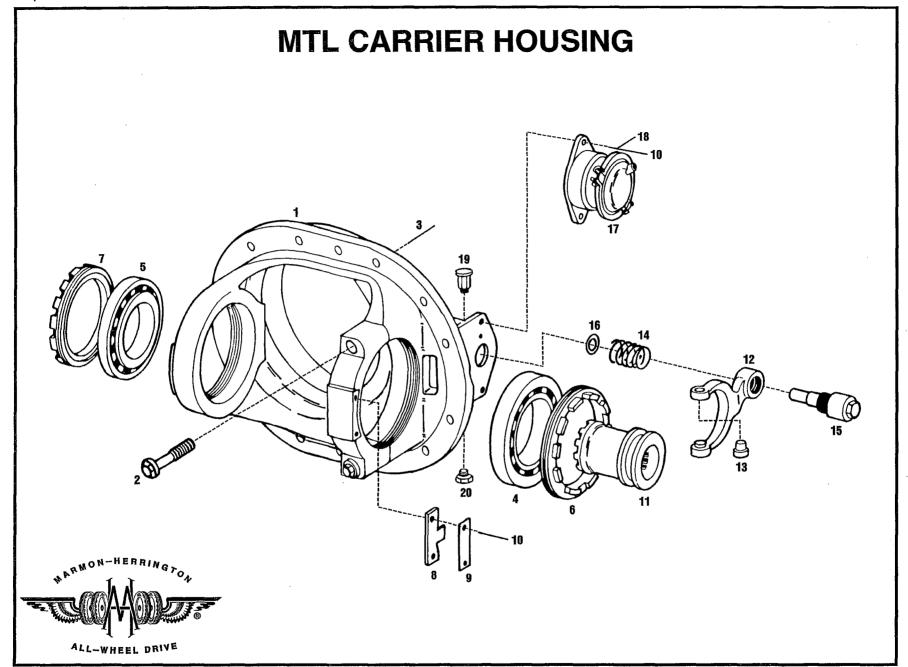
- Factory Order Number This is located on an ID plate fixed to either the driver's door panel or the component (axle or transfer case) itself.
- Model and Serial Number (required) Again located on the ID plate fixed to either the driver's door panel or the component itself.
- · Vehicle Year, Make and Model
- Vehicle Identification Number
- Mileage
- In Service Date

The information necessary for replacement parts and/or warranty claim procedures will be found on either plate design.

MARMO	N-HEF	RRINGT	ON
SALES ORDER	0000-00	RATIO	
S/N		ГҮРЕ	
CUST P/N			

MARMON-HERRINGTON
SALES ORDER 0000-00
S/N TYPE
CUST P/N
COVERED BY ONE OR MORE OF THE FOLLOWING PATENTS: U.S. PATENTS 4,878,691; 4,934,733; 5,016,912; 5,275,430; 5,839,750; AND 6,398,251; AND CA PATENT 1,316,185. OTHER U.S. AND FOREIGN PATENTS PENDING.





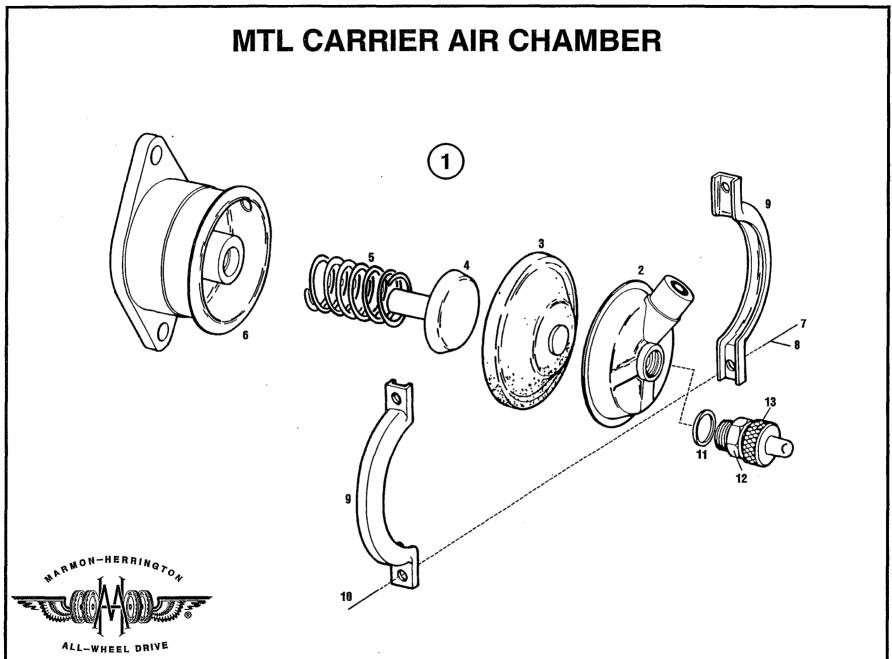
ITEM NO.	MH PART NO.	DESCRIPTION	QTY. REQ.	ITEM NO.	MH PART NO.	DESCRIPTION	QTY. REQ.
1	R22-1030	Differential Carrier Housing Assy.	1				
2	R22-1028	Hex Bolt, M16x85-1.5	2				
3	MT22-1077	Flanged Bolt, Special	14				
4	MT14-1053	Taper Roller Bearing	1				
5	MT22-1078	Taper Roller Bearing	1				
6	MT14-1052	Bearing Adjuster, M142x1.5	11				
7	MT22-1079	Bearing Adjuster, M133x2	1				
8	MT22-1080	Adjuster Lock Plate	2				
9	MT22-1081	Lock Plate	2				
10	11500773	Hex Bolt, M9x15	6				
11	MTL17-1027	Clutch Sleeve	1				
12	R22-1058	Shift Fork Assy.	1			,	
13	R22-1059	Shift Fork Slider	1				
14	R22-1015	Spring	1				
15	R22-1016	Push Rod	1				
16	R22-1017	Washer	AR				
17	R22-1021	Differential Lock Actuating Air Chamber Assy.	1				1
18	11500191	Lock Washer	2				
19	MT14-1068	Vent Valve	1				
20	R22-1060	Plug with Sealant	1				
	1						
		AR = As Required					
		•					
			i				

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MTL CARRIER HOUSING



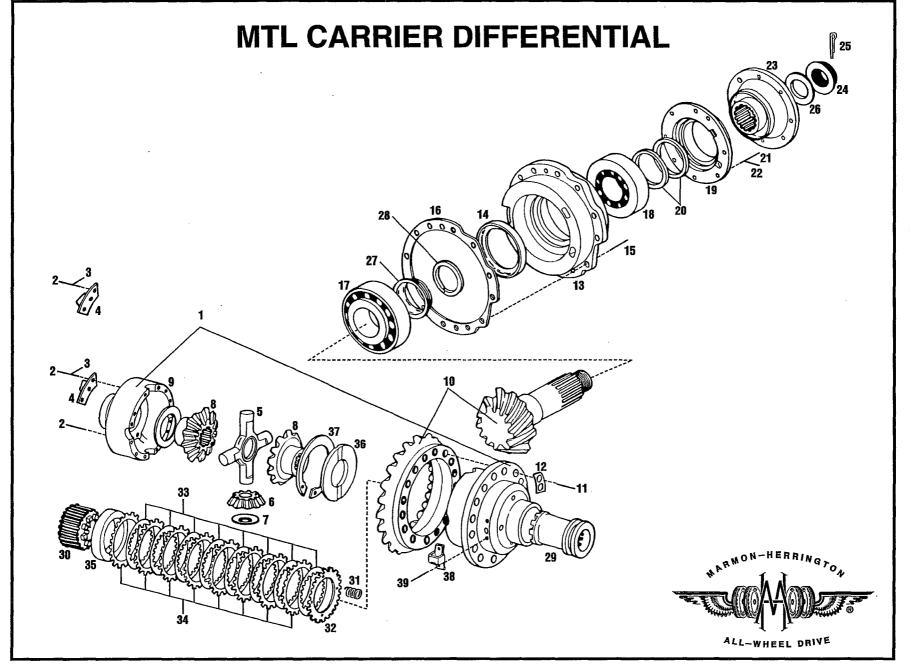


ITEM NO.	MH PART NO.	DESCRIPTION	QTY. REQ.	ITEM NO.	MH PART NO.	DESCRIPTION	QTY. REQ.
1	R22-1021	Differential Lock Actuating Air Chamber Assy.	1				
. 2	R22-1022	Cap	1				
3	R22-1023	Diaphragm	1				
4	R22-1024	Spring Cup	1			-	
5	R22-1025	Spring	1				
6	R22-1026	Housing	1				<u> </u>
7	103024	Hex Nut NF	2				
8	103319	Lock Washer	2				
9	R22-1029	Clamp Half	2			<u> </u>	
10	454826	Hex Bolt 1/4x1 NF	2				
11	MVG12-1040	Washer	1				
12	MVG12-1041	Switch	1				
13	MT75-7750	Connecting	1				
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MTL CARRIER AIR CHAMBER





						ITEM NO.	MH PART NO.	DESCRIPTION	QTY. REQ.
CARRI P/N		PINION & RING GEAR RATIO	FINAL RATIO		ERENTIAL CASE	17	MT14-1075	Pinion Bearing, Inner	1
							MT14-1079	Pinion Bearing, Outer	1
MTL17-1		1.227	4.25		17-1022	19	MT22-1070	Cover	1
MTL17-		1.318	4.56		17-1022	20	MT22-1069	Oil Seal Kit, Pinion	1
				17-1023	21	11500713	Hex Bolt, M8x22	8	
MTL17-1004 1.526			5.29 5.38		17-1023	22	11500191	Flat Lock Washer, M8	8
MTL17-1010 1.553 MTL17-1005 1.632		1.632	5.65	MTL17-1023 MTL17-1023		23	MT17-1050	Companion Flange, 1610 Series	1
MTL17-		1.684	5.83				MT22-1073	Companion Flange, 1710 Series	1
MTL17-1	1	1.765	6.11	MTL17-1023 MTL17-1023		24	MT22-1075	Self-Lock Pinion Nut, M42x1	1
MTL17-1		1.812	6.27		17-1023		MT14-1082	Pinion Castle Nut	1 .
MTL17-		1.929	6.68		.17-1023	25	103422	Cotter Pin	1
						26	MT22-1074	Washer, Special	1
ITEM NO.	MH PART N	O. DESCRIPTION			QTY. REQ.	27	MT14-1076	Distance Sleeve	1
1 1	MTL17-102	23 Diff. Case Halv	ves, Assy. (4.92-6.68)		1	28	MT14-1077A	Bearing Distance Ring, 6.90 MM	AR*
	MTL17-102		ves, Assy. (4.25-4.56)		1	l	MT14-1077B	Bearing Distance Ring, 7.00 MM	AR
2	MT22-106				12		MT14-1077C	Bearing Distance Ring, 7.02 MM	AR
3	MT22-106				4		MT14-1077D	Bearing Distance Ring, 7.04 MM	AR
4	MTL17-102				2]	MT14-1077E	Bearing Distance Ring, 7.06 MM	AR
5	MT22-106				1		MT14-1077F	Bearing Distance Ring, 7.08 MM	AR
6	MT22-106				4		MT14-1077G	Bearing Distance Ring, 7.10 MM	AR
7	MT22-106		ential Pinion Gear		4	ľ	MT14-1077H	Bearing Distance Ring, 7.10 MM	AR
8	MTL17-102				2		MT14-1077I	Bearing Distance Ring, 7.32 MM	AR
9 10	MT22-105 MT22-105		ential Side Gear		1	l	MT14-1077J	Bearing Distance Ring, 7.44 MM	AR
10	MT22-105		I Pinion (1.227) 4.25 I Pinion (1.318) 4.56				MT14-1077K	Bearing Distance Ring, 7.56 MM	AR
1	MT22-105		l Pinion (1.422) 4.92		;		MT14-1077L	Bearing Distance Ring, 7.36 MM	AR
	MT22-105		Pinion (1.526) 5.29		;		MT14-1077L		1
	MT22-103		Pinion (1.553) 5.38		;		1	Bearing Distance Ring, 7.80 MM	AR
	MT22-105	5 Ring Gear and	Pinion (1.632) 5.65		1 1		MT14-1077N MTL17-1027	Bearing Distance Ring, 7.92 MM	AR
l	MT22-104	7 Ring Gear and	l Pinion (1.684) 5.83		1	29 30	MTL17-1027	Clutch Sleeve Toothed Hub	1
1	MT22-104	6 Ring Gear and	l Pinion (1.765) 6.11		1	30			1
	MT22-105	8 Ring Gear and	Pinion (1.812) 6.27		1		MTL17-1029	Spring Realing Diels	12
	MT22-104		Pinion (1.929) 6.68		11	32	MTL17-1030	Backing Disk	1
11	MT22-105		cial		16	33	MTL22-1053	Inner Clutch Plate	8
12	MT22-122				8	34	MTL22-1052	Outer Clutch Plate	8
13	MT22-106				1	35	MTL17-1031	Spacer Ring	1
14	MT14-107				1	36	MTL17-1032	Differential Side Washer	1
15	MT22-107		Special		12	37	MTL17-1033	Lock Ring	1
	MT22-1067			•	AR	38	MTL17-1034	Oiler Scoop	2
1	MT22-1067				AR	39	MTL17-1035	Countersunk Screw	4
, 1	MT22-1067 MT22-1067				AR			AR = As Required	1
1	MT22-1067				AR AR		*Note	Choose 2 to produce proper bearing preload.	ļ

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