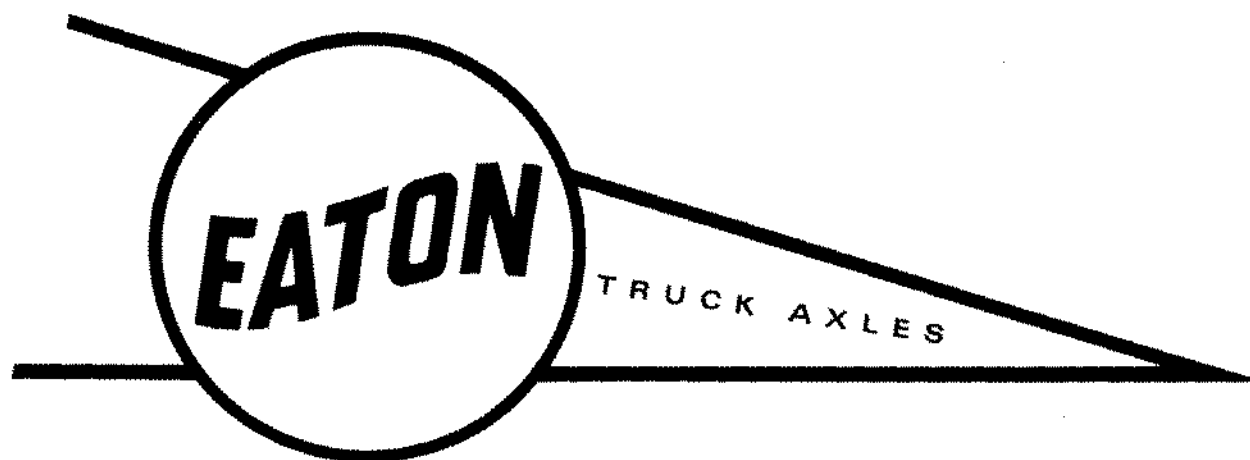
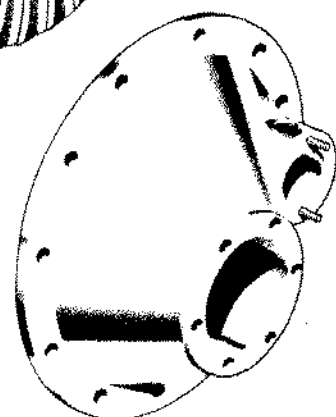
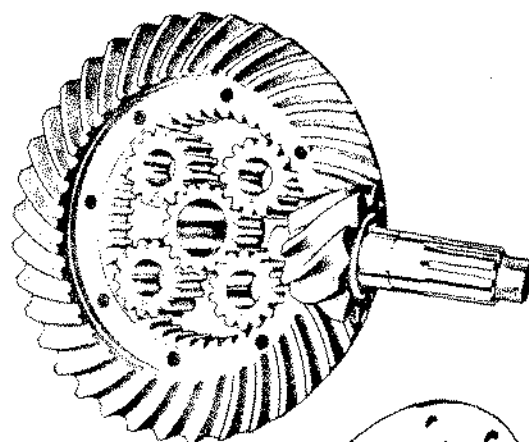
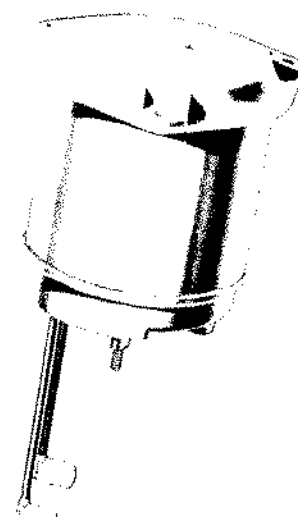
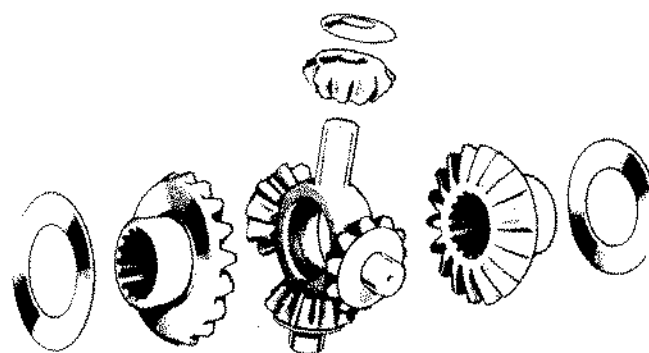




EATON



Eaton Axle Division presents this Parts Book as an aid in the identification and procurement of replacement parts for Eaton Axles. The information included covers the differential carrier assemblies for Eaton standard type axles. Contact your truck manufacturer for information on special axles or parts, and parts not included in the differential carrier assemblies.

FOREWORD

Information on differential lockouts, shift units and controls is contained in separate sections of this book.

For service and maintenance instructions on Eaton Axles, refer to the Eaton Service Manual Form No. EA-104.

when ordering parts

DO NOT ORDER PARTS DIRECTLY FROM EATON AXLE DIVISION. INSTEAD, PLACE ALL ORDERS THROUGH YOUR TRUCK MANUFACTURER (O.E.M.). ORDERS SENT DIRECTLY TO EATON WILL BE RETURNED TO THE SENDER . . . THE UNAVOIDABLE RESULT WILL BE LOST TIME.



EATON AXLE DIVISION

739 EAST 140TH STREET • CLEVELAND, OHIO 44110



This Parts Book is divided into major sections covering differential carrier assemblies for the axle types, models, and series listed in the Table of Contents.

Exploded views are used to illustrate the parts and show their relationship to other parts of the carrier. Each part is identified by an item number, which, in turn, leads to a list containing part name and part number.

How to use this parts book

1. Refer to Contents for reference to axle type, model or series.
2. Turn to pages that apply to axle in question.
3. Locate the desired part in the exploded illustration and note Item No. This Item No. will lead you to the part name and number.

Note: The parts for conical and ribbed differential carriers are illustrated in one master exploded view. Listings of the parts are divided into two categories:

"Axle Models with Conical Carriers"

"Axle Models with Ribbed Carriers"

After the Item No. is identified, refer to the proper listing to obtain part name and number.

Note: For Ribbed to Conical Carrier Conversion information, refer to page 40.

4. Refer to the related Parts Listing and locate the same Item No. and the name. If more than one part number is listed, refer to the axle model listings at top of list and select the part number that applies to the axle being serviced.
5. If a reference "Note" is included in the Part No. column, refer to footnotes for explanation. If a Group Letter is included in the Part No. column, this letter identifies the axle model number. Note this letter and refer to the related detailed listing of this part in other sections of this Parts Book.
6. Special models or parts cannot be included in a Parts Book of this size. For information not included, refer to the service literature covering your vehicle or contact the nearest representative of the truck manufacturer.

differential carrier parts for...

Single Reduction Axles	4
(single units and "D" series tandem rear rear axles)	
EQUI-TORQ Single Reduction Axles	8
Planetary Double Reduction Axles	10
(single units and "D" series tandem rear rear axles)	
2-Speed Axles	10
(single units and "D" series tandem rear rear axles)	
3-Speed Axles	10
("D" series tandem rear rear axles)	
"D" Series Single Reduction Tandem Axles	16
(forward rear axle)	
44DS Single Reduction Tandem Axles	20
(forward rear axle)	
"D" Series 2-Speed, PDR and 3-Speed Tandem Axles	22
(forward rear axle)	
44DT and 44DP Tandem Axles	26
(forward rear axle)	
32M and 34M Tandem Axles	28
(forward and rear rear axles)	
Ring Gear and Drive Pinion Sets	31
Pinion Bearing Spacers	38
Pinion Bearing Cage Shims	39
Differential Side Gears and Side Pinions	39
Ribbed to Conical Carrier Conversion	40
Differential Lockouts	41
Axle Shift Systems and Components	42

Interchangeability System for "D" Series Tandem Axles

Example of Axle Identification—19121

First two digits: Axle Series (13, 16, 17, 18, 19, etc.)

Third digit: Axle Type
1—Single Reduction
2—2-Speed
3—Planetary Double Reduction
4—EQUI-TORQ

Fourth digit: Gear Diameters

Fifth digit: Axle Housing

Nomenclature System for "D" Series Tandem Axles

Example of Tandem Axle Identification—34DS

First two digits: Relative load capacity (30, 34, 38, 42, etc.)

Third digit: Axle Series
(or First letter) D—"D" Series Tandem Axle

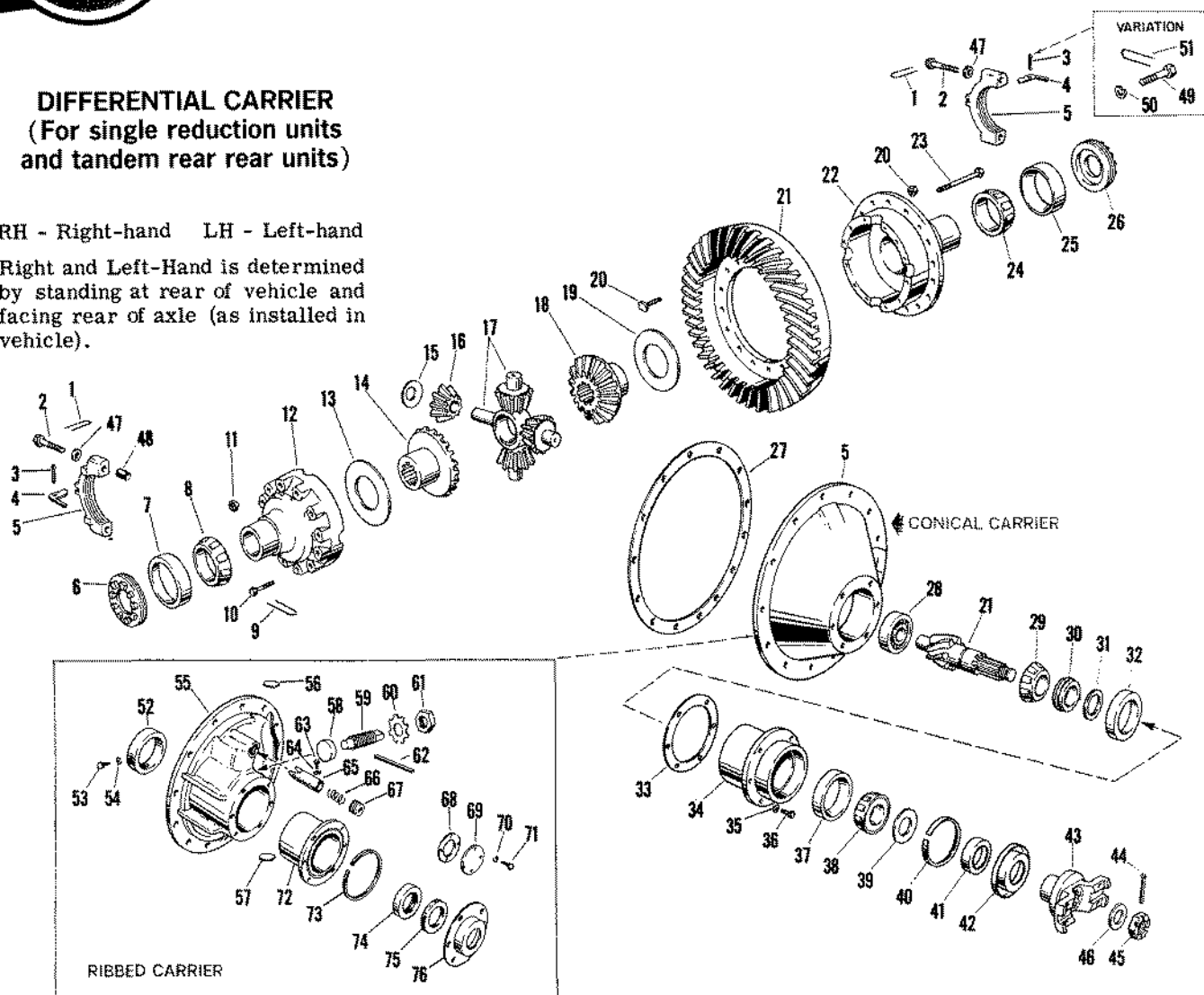
Fourth digit: Axle Type
(or Second letter) S—Single Reduction
T—2-Speed
P—Planetary Double Reduction
3—3-Speed



DIFFERENTIAL CARRIER (For single reduction units and tandem rear rear units)

RH - Right-hand LH - Left-hand

Right and Left-Hand is determined by standing at rear of vehicle and facing rear of axle (as installed in vehicle).



axle models with conical carriers

		AXLE MODELS						
Item No.	DESCRIPTION	16120 16121 30RSB 30RSC	17100 17101 34RSB 34RSC	17120 17121 34RSD 34RSE	18100 18101 38RSB 38RSC	18120 18121 38RSD 38RSE	19100 19101 20100	19120 19121 20120 44RS
		PART NUMBERS						
1	Lock Wire (RH)	12563	90538	90538	90538	90538	12563	12563
	(LH)	12563	90538	90538	90538	90538	12563	12563
2	Cap Screw (RH)	14970	67811	67811	67811	67811	32732	32732
	(LH)	14970	67811	67811	67811	67811	32732	32732
3	Cotter Pin (RH)	90873	90873	90873	90873	90873	90876	90876
	(LH)	90876	90876	90876	90876	90876	90876	90876
4	Adjuster Lock. (RH)	90186	13377	13377	13377	13377	14275	14275
	(LH)	14275	14275	14275	14275	14275	14275	14275
5	Differential Carrier and Bearing Caps (Matched Parts)(Conical Type)	68378	67803	67803	67803	67803	67855	67855
6	Differential Bearing Adjuster . (RH)	33682	27842	27842	27842	27842	21637	21637
7	Differential Bearing Cup . . . (RH)	90951	9803	9803	9803	9803	15092	15092
8	Differential Bearing Cone . . . (RH)	40679	27813	27813	27813	27813	27876	27876
9	Lock Wire	12970	4433	4433	4433	4433	12970	12970
10	Cap Screw (Short).	33679	---	---	---	---	---	---
11	Nut.	---	---	---	---	---	---	---
12	Differential Case (Plain Half). . .	33670	45452	45452	45452	45452	40289	40289

AXLE MODELS WITH CONICAL CARRIERS (CONT'D)

single reduction axles

Item No.	DESCRIPTION	AXLE MODELS						
		16120	17100	17120	18100	18120	19100	19120
		16121 30RSB 30RSC	17101 34RSB 34RSC	17121 34RSD 34RSE	18101 38RSB 38RSC	18121 38RSD 38RSE	19101 20100	19121 20120 44RS
				PART NUMBERS				
13	Side Gear Thrust Washer . . (RH)	18346	27827	27827	27827	27827	18198	18198
14	Side Gear (Note 4) (RH)	Page 39 Group B 64467	Page 39 Group C 27810	Page 39 Group C 27810	Page 39 Group D 27810	Page 39 Group D 27810	Page 39 Group E 18199	Page 39 Group F 18199
15	Side Pinion Thrust Washer . . .			REFER TO ITEM 14				
16	Side Pinion							
17	Spider	25971	38289	38289	38289	38289	18167	18167
18	Side Gear (LH)			REFER TO ITEM 14				
19	Side Gear Thrust Washer	18346	27827	27827	27827	27827	18198	18198
20	Bolt and Nut Kit	67686	69957	69957	69957	69957	70745	70745
21	Ring Gear and Drive Pinion (Matched Set)	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
22	Differential Case (Flanged Half) .	67908	67812	67812	67812	67812	40288	40288
23	Bolt	4575	4575	4575	4575	4575	37177	37177
24	Differential Bearing Cone . (LH)	6082	6082	6082	6082	6082	27666	27666
25	Differential Bearing Cup . (LH)	90943	90943	90943	90943	90943	19529	19529
26	Differential Bearing Adjuster (LH)	31562	31562	31562	31562	31562	39448	39448
27	Carrier Gasket	50364	72040	72040	72040	72040	52820	52820
28	Pinion Pilot Bearing	15828	15828	15828	15828	15828	27611	27611
29	Pinion Bearing Cone (Inner) . .	49848	12496	12496	12496	12496	14218	27239
30	Pinion Bearing Spacer (Note 3) .	Page 38 Group D ---	Page 38 Group F ---	Page 38 Group F ---	Page 38 Group F ---	Page 38 Group F ---	Page 38 Group B 31366	Page 38 Group A 31366
31	Pinion Bearing Spacer Washer . .	---	---	---	---	---	---	---
32	Pinion Bearing Cup (Inner) . . .	49849	12495	12495	12495	12495	14217	27238
33	Pinion Bearing Cage Shims . . . (Note 5)	Page 39 Group A	Page 39 Group F	Page 39 Group F	Page 39 Group F	Page 39 Group F	Page 39 Group J	Page 39 Group J
34	Pinion Bearing Cage w/Cups . . .	64599	38596	67817	38596	67817	67913	79110
35	Lockwasher	28571	28571	28571	28571	28571	90422	90422
36	Cap Screw	30800	30800	30800	30800	30800	90070	90070
37	Pinion Bearing Cup (Outer) . . .	49849	12495	12495	12495	12495	14217	14217
38	Pinion Bearing Cone (Outer) . .	49848	12496	12496	12496	12496	14218	14218
39	Companion Flange Flat Washer .	---	---	---	---	---	32969	---
40	Strip Sealer	67925	---	---	---	---	67925	67925
41	Oil Seal	Note 11	---	---	---	---	63910	64656
42	Oil Seal Retainer	Note 11	79470	79470	79470	79470	67917	67919
43	Companion Flange	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
44	Cotter Pin	90299	90299	90299	90299	90299	90872	39534
45	Pinion Nut	19205	4328	4328	4328	4328	7865	22839
46	Flat Washer	14354	4327	4327	4327	4327	56864	---
47	Flat Washer	---	26772	26772	26772	26772	32912	32912
48	Dowel Bushing	---	---	---	---	---	32730	32730
	gasket sets	61958	61959	61959	65093	65093	61961	61961

axle models with ribbed carriers

Item No.	DESCRIPTION	AXLE MODELS								
		1315	1614 1615	1618 1619 30RS	1790-A 1791-A 32MR 34MR 34RS	1862 1863 38RS *	1880 1881 38RS **	1892 1893	1910 1911 2010 2011	1918 1919 2018 2019
					PART NUMBERS					
1	Lock Wire (RH)	12563	12563	90536	12563	12563	90538	90540	12563	12563
	(LH)	12563	12563	90536	12563	12563	90538	90540	20829	20829
2	Cap Screw (RH)	90036	14970	14970	90036	90036	32732	32732	32732	32732
	(LH)	90036	14970	14970	14233	14233	32732	32732	32732	32732
3	Cotter Pin (RH)	90873	90873	90873	90873	90873	90873	90876	90876	90876
	(LH)	90873	90873	---	90876	90876	---	90876	90876	90876
4	Adjuster Lock (RH)	34786	90186	13377	90186	90186	13377	14275	14275	14275
	(LH)	34786	90186	46773	14275	14275	45448	14275	14275	14275
5	Refer to Item 55.									
6	Differential Bearing Adjuster . . (RH)	33682	33682	14950	3990	3990	27842	31562	21637	21637
7	Differential Bearing Cup . . . (RH)	90951	90951	9803	24328	24328	9803	90943	15092	15092
8	Differential Bearing Cone . . . (RH)	40679	40679	15094	15980	15980	27813	9302	27876	27876
9	Lock Wire	23130	12970	12970	4433	4433	4433	4433	12970	12970
10	Cap Screw (Short)	40614	33679	33679	12466	12466	---	4086	---	---
11	Nut	---	---	---	---	---	---	90251	---	---
12	Differential Case (Plain Half) . . .	34771	33670	46754	44436	44436	45452	41870	40289	40289

* With Single Speed Carrier

** With 2-Speed Type Carrier

		AXLE MODELS									
Item No.	DESCRIPTION	1315	1614 1615	1618 1619 30RS	1790-A 1791-A 32MR 34MR 34RS	1862 1863 38RS *	1880 1881 38RS **	1892 1893	1910 1911 2010 2011	1918 1919 2018 2019	
		PART NUMBERS									
13	Side Gear Thrust Washer (RH)	20850	18346	18346	27827	27827	27827	27827	18198	18198	
14	Side Gear (Note 4) (RH)	Page 39 Group A	Page 39 Group B	Page 39 Group B	Page 39 Group C	Page 39 Group D	Page 39 Group D	Page 39 Group D	Page 39 Group E	Page 39 Group F	
15	Side Pinion Thrust Washer	25968	64467	64467	27810	27810	27810	27810	18199	18199	
16	Side Pinion				REFER TO ITEM 14						
17	Spider	20766	25971	25971	38289	38289	38289	38289	18167	18167	
18	Side Gear (LH)				REFER TO ITEM 14						
19	Side Gear Thrust Washer	20850	18346	18346	27827	27827	27827	27827	18198	18198	
20	Bolt and Nut Kit	Note 6	67686	67686	67838	67838	67838	67838	70745	70745	
21	Ring Gear and Drive Pinion (Matched Set)	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	
22	Differential Case (Flanged Half) . .	34770	33669	46753	43570	43570	45451	41869	40288	40288	
23	Bolt	34925	4575	4575	4575	4575	4575	4575	37177	37177	
24	Differential Bearing Cone (LH)	40679	40679	27876	6082	6082	27817	14222	27666	27666	
25	Differential Bearing Cup (LH)	90951	90951	15092	90943	90943	27816	14221	19529	19529	
26	Differential Bearing Adjuster . . (LH)	33682	33682	21637	31562	31562	45456	14170	39448	39448	
27	Carrier Gasket	71805	50364	50364	72040	72040	72040	72040	52820	52820	
28	Pinion Pilot Bearing	13224	13276	15828	15828	15828	15828	14169	27611	27611	
29	Pinion Bearing Cone (Inner)	10775	33699	49848	12496	12496	12496	14218	27239	27239	
30	Pinion Bearing Spacer (Note 3) . . .	Page 38 Group D	Page 38 Group G	Page 38 Group D	Page 38 Group F	Page 38 Group F	Page 38 Group F	Page 38 Group A	Page 38 Group B	Page 38 Group B	
31	Pinion Bearing Spacer Washer	---	---	---	---	---	---	---	---	---	
32	Pinion Bearing Cup (Inner)	10776	12495	49849	12495	12495	12495	14217	27238	27238	
33	Pinion Bearing Cage Shims (Note 5) .	Page 39 Group A	Page 39 Group F	Page 39 Group A	Page 39 Group F	Page 39 Group F	Page 39 Group F	Page 39 Group B	Page 39 Group E	Page 39 Group E	
34	Refer to Item 72										
35	Lockwasher	28571	90417	28571	28571	28571	28571	28571	90422	90422	
36	Cap Screw	10809	90069	30800	90069	90069	30800	90069	90070	90070	
37	Pinion Bearing Cup (Outer)	10776	12495	49849	12495	12495	12495	14217	27238	27238	
38	Pinion Bearing Cone (Outer)	10775	33699	49848	12496	12496	12496	14218	27239	27239	
39	Companion Flange Flat Washer . . .	---	---	---	---	---	---	14226	32969	30390	
40	Cork Seal	10767	12492	REFER TO ITEMS 73 THRU 76				12492	REFER TO ITEMS 73 THRU 76		
41	Oil Seal	64551	63910					63910			
42	Oil Seal Retainer Assembly	55549	12944					12944			
43	Companion Flange	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	
44	Cotter Pin	90302	90299	90299	90299	90299	90299	90299	90872	39534	
45	Pinion Nut	90246	19205	19205	4328	4328	4328	4328	7865	22839	
46	Flat Washer	23991	14354	14354	4327	4327	4327	4327	56864	---	
47	Flat Washer	---	---	---	---	---	32912	32912	32912	32912	
48	Dowel Bushing	---	---	---	---	---	32730	32730	32730	32730	
49	Adjuster Lock Cap Screw (LH)	---	---	9820	---	---	12562	---	---	---	
50	Adjuster Lock Cap Screw Lockwasher (LH)	---	---	---	---	---	90422	---	---	---	
51	Adjuster Lock Cap Screw Lock Wire (LH)	---	---	90533	---	---	12563	---	---	---	
52	Inner Pinion Bearing Sleeve	---	---	---	---	---	---	---	35708	35708	
53	Bearing Sleeve Cap Screw	---	---	---	---	---	---	---	90033	90033	
54	Bearing Sleeve Cap Screw Lockwasher	---	---	---	---	---	---	---	36014	36014	
55	Differential Carrier and Bearing Caps (Matched Parts) (Ribbed Type) . . .	34537	41540	47949	49009	49009	46519	50070	Note 8	Note 9	
56	Shift Fork Shaft Expansion Plug (Upper)	---	---	9797	---	---	9797	---	---	---	
57	Shift Fork Shaft Expansion Plug (Lower)	---	---	9797	---	---	30703	---	---	---	
58	Ring Gear Thrust Block	---	---	---	10906	10906	---	10906	10906	10906	
59	Adjusting Screw	---	---	---	29461	29461	---	29461	39490	39490	
60	Lock	---	---	---	90179	90179	---	90179	90179	90179	
61	Lock Nut	---	---	---	10908	10908	---	10908	10908	10908	
62	Strip Sealer	---	---	---	57373	57373	38939	57373	57373	57373	
63	Oil Distributor Cap Screw	---	---	---	---	---	---	---	16376	16376	
64	Lockwasher	---	---	---	---	---	---	---	90415	90415	
65	Oil Distributor	---	---	46905	---	---	Note 14	---	Note 14	Note 14	
66	Spring	---	---	15277	---	---	15277	---	15277	15277	
67	Pipe Plug	---	---	90321	---	---	90321	---	90321	90321	
68	Opening Cover Gasket	---	---	45526	---	---	45526	---	---	---	
69	Opening Cover	---	---	45521	---	---	45521	---	---	---	
70	Lockwasher	---	---	90415	---	---	90415	---	---	---	
71	Cap Screw	---	---	20807	---	---	20807	---	---	---	

* With Single Speed Carrier

** With 2-Speed Type Carrier

AXLE MODELS WITH RIBBED CARRIERS (CONT'D)

		AXLE MODELS								
Item No.	DESCRIPTION	1315	1614 1615	1618 1619 30RS	1790-A 1791-A 32MR 34MR 34RS	1862 1863 38RS *	1880 1881 38RS **	1892 1893	1910 1911 2010 2011	1918 1919 2018 2019
		PART NUMBERS								
72	Pinion Bearing Cage w/Cups (For Cork Seal)	81737	12943	Note 13	Note 7	12943	38596	14220	Note 10	Note 10
73	Cork Seal	10767	12492	10767	12492	12492	---	12492	27613	27613
74	Oil Seal (For Flanged Retainer). .	64551	63910	Note 11	63910	63910	---	63910	63910	64656
75	Felt Seal (For Flanged Retainer) .	55548	75307	Note 11	75307	75307	---	75307	75307	7861
76	Oil Seal Retainer Assembly . . .	55549	12944	Note 11	12944	12944	79470	12944	39922	27252
	gasket sets	61968	61957	61958	Note 12	61959	65093	61960	61961	61961

* With Single Speed Carrier

** With 2-Speed Type Carrier

Note 1: Refer to "How to Order Ring Gear and Drive Pinion Sets" on page 31.

Note 2: Refer to O.E.M. Parts Catalog for Part Number.

Note 3: Select Group Letter in Parts List, then refer to Pinion Bearing Spacer Table on page 38.

Note 4: Select Group Letter in Parts List, then refer to Side Gears and Side Pinions Table on page 39.

Note 5: Select Group Letter in Parts List, then refer to Pinion Bearing Cage Shim Table on page 39.

Note 6: Use 54251 Bolt and 60597 Nut.

Note 7: Use 12943 for Model 1790-A, 1791-A and 34RS Axles, and 30934 for 32MR and 34MR Axles.

Note 8: Use 39916 for standard carrier and 52432 for reversed carrier.

Note 9: Use 53163 for standard carrier and 56771 for reversed carrier.

Note 10: Use 62038 for standard pinion bearing cage and 53195 for reversed pinion bearing cage.

Note 11: Refer to Oil Seal Variation Table on page 7.

Note 12: Use 60644 Gasket Set for 32MR and 34MR only. Use Gasket Set 61959 for Models 1790-A, 1791-A and 34RS.

Note 13: Order Kit No. 68160 to replace 49850 when used with 2-5/8" Oil Seal. Order Kit No. 68161 when used with 2-3/8" Oil Seal.

Note 14: Refer to Oil Distributor Table on page 7.

oil seals, oil seal and retainer assemblies

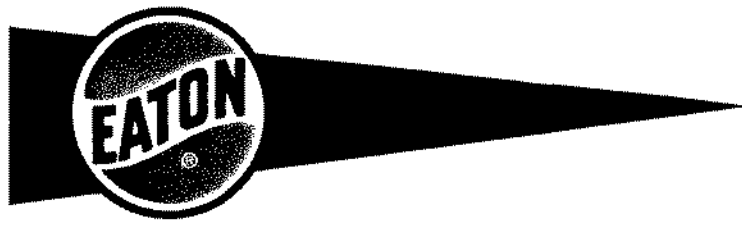
DESCRIPTION	FLANGED TYPE RETAINERS		PRESSED-IN TYPE RETAINERS	
	AXLE MODELS		AXLE MODELS	
	1618, 1619 30RS		1618, 1619 30RS, 30RSB, 30RSC 16120, 16121	
PART NUMBERS				
Oil Seal (2-3/8" I.D.)	19195		64679	
Oil Seal (2-5/8" I.D.)	63910		65055	
Felt Seal (2-3/8" I.D.)	19196		---	
Felt Seal (2-5/8" I.D.)	75307		---	
Oil Seal Retainer Assembly (with 2-3/8" I.D. Seal). .	19193		64680	
Oil Seal Retainer Assembly (with 2-5/8" I.D. Seal). .	14951		64601	

oil distributors

(RIBBED CARRIERS)

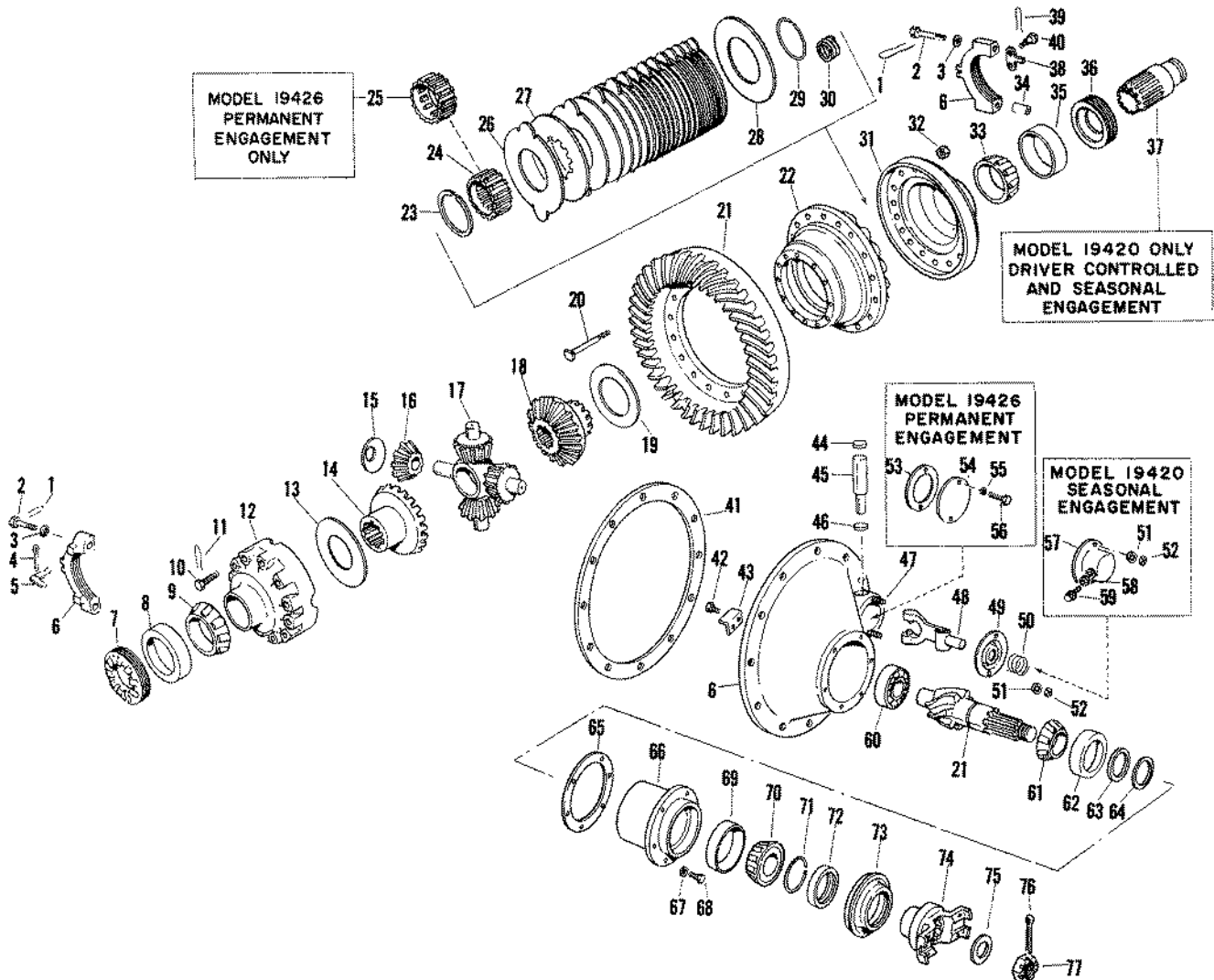
DESCRIPTION	AXLE MODELS		
	1880, 1881 38RS **	1910, 1911 2010, 2011	1918, 1919 2018, 2019
PART NUMBERS			
Oil Distributor (Ratios 3.70)	---	46777	---
(Ratios 3.70 and 4.11)	46905	---	46777
(Ratios 4.33, 4.56, 4.88, 5.29, 5.57, 6.14, 6.50, 7.17, 7.60 and 7.67)	33594	---	---
(Ratios 4.33, 4.88, 5.43, 6.17 and 6.67)	---	16198	---
(Ratios 4.33, 4.56, 4.88, 5.43, 6.17 and 6.67)	---	---	16198

** With 2-Speed Type Carrier



EQUI-TORQ single reduction axles

MODEL 19420-6 EQUI-TORQ DIFFERENTIAL CARRIERS



RH - Right-hand LH - Left-hand

Right and Left-Hand is determined by standing at rear of vehicle and facing rear of axle (as installed in vehicle).

EQUI-TORQ 19420-6 SINGLE REDUCTION AXLES

Item No.	DESCRIPTION	PART NO.	Item No.	DESCRIPTION	PART NO.
1	Lock Wire	12563	47	Shift Unit Stud (Model 19420 Only-- Driver-Controlled and Seasonal Engagement).	78400
2	Cap Screw	32732	48	Shift Fork Assembly (Model 19420 Only-- Driver-Controlled and Seasonal Engagement).	32679
3	Flat Washer	32912	49	Shift Fork Seal and Spring (Model 19420 Only--Driver-Controlled and Seasonal Engagement).	64085
4	Cotter Pin	90876	50	Shift Fork Seal Spring (Model 19420 Only-- Driver-Controlled and Seasonal Engagement).	35585
5	Adjuster Lock (RH)	14275			
6	Differential Carrier and Bearing Caps (Matched Parts) (Includes Items 42, 43, 47, 51, 52, 53, 54)	83956	51	Stud Flat Washer (Model 19420 Only-- Driver-Controlled and Seasonal Engagement).	78401
7	Differential Bearing Adjuster . . . (RH)	21637	52	Stud Self Locking Nut (Model 19420 Only--Driver-Controlled and Seasonal Engagement).	63028
8	Differential Bearing Cup . . . (RH)	15092	53	Shift Fork Opening Cover Gasket (Model 19426 Only--Permanent Engagement).	45526
9	Differential Bearing Cone . . . (RH)	27876	54	Shift Fork Opening Cover (Model 19426 Only--Permanent Engagement).	45521
10	Cap Screw	78941	55	Cover Cap Screw Lockwasher (Model 19426 Only--Permanent Engagement).	90415
11	Lock Wire	12970	56	Cover Cap Screw (Model 19426 Only-- Permanent Engagement).	20807
12	Differential Case (Plain Half)	78905	57	Shift Fork Cover Retainer (Model 19420 Only-- Seasonal Engagement).	83510
13	Side Gear Thrust Washer . . . (RH)	18198	58	Jam Nut (Model 19420 Only--Seasonal Engagement).	59600
14	Side Gear (RH)	73342	59	Cap Screw (Model 19420 Only-- Seasonal Engagement).	83511
15	Side Pinion Thrust Washer . . . (RH)	18199			
16	Side Pinion	73341	60	Pinion Pilot Bearing	21639
17	Spider	18167	61	Pinion Bearing Cone (Inner)	27239
18	Side Gear and Curvic Clutch . . (LH)	82441	62	Pinion Bearing Cup (Inner)	27238
19	Side Gear Thrust Washer . . . (LH)	82442	63	Pinion Bearing Spacer Washer	31366
20	Bolt, Drive Gear to Differential Case	82454	64	Pinion Bearing Spacer (Note 3)	Page 38 Group A
21	Ring Gear and Drive Pinion (Matched Set)	Note 1	65	Pinion Bearing Cage Shims (Note 4)	Page 39 Group J
22	Differential and Gear Support Case (Flanged Half)	82443	66	Pinion Bearing Cage w/Cups	79110
23	Snap Ring	82444	67	Lockwasher	90422
24	Friction Plate Driver (Model 19420 Only--Driver-Controlled and Seasonal Engagement).	82449	68	Cap Screw	90070
25	Friction Plate Driver (Model 19426 Only--Permanent Engagement).	83565	69	Pinion Bearing Cup (Outer)	14217
26	Friction Plate (tanged) (13 Plates)	82446	70	Pinion Bearing Cone (Outer)	14218
27	Friction Plate (splined) (12 Plates)	82445	71	Strip Sealer	67925
28	Pressure Plate	82447	72	Oil Seal	64656
29	Snap Ring	82621	73	Oil Seal and Retainer Assembly	67919
30	Compression Spring	82448			
31	Gear Support Case Cover	82450	74	Companion Flange	Note 2
32	Self-Locking Nut, Drive Gear Bolt	60600	75	Cork Washer	30390
33	Differential Bearing Cone . . . (LH)	21633	76	Cotter Pin	39534
34	Dowel Bushing	32730	77	Pinion Nut	22839
35	Differential Bearing Cup . . . (LH)	21632			
36	Differential Bearing Adjuster . . (LH)	82451		Kit, Friction Plates and Driver Assembly (Includes Items 23, 24 and 26 thru 29) (Model 19420)	82439
37	Sliding Curvic Clutch (Model 19420 Only--Driver-Controlled and Seasonal Engagement).	82452		(Includes Items 23 and 25 thru 29) (Model 19426)	83646
38	Adjuster Lock (LH)	45448			
39	Lock Wire	12563			
40	Cap Screw	12562			
41	Carrier Gasket	52820			
42	Oil Trough Screw, Self Locking	67815			
43	Oil Trough	82440			
44	Expansion Plug (Upper).	30703			
45	Shift Fork Shaft (Model 19420 Only-- Driver-Controlled and Seasonal Engagement).	41103			
46	Expansion Plug (Lower).	9797			

Note 1: Refer to "How to Order Ring Gear and Pinion Sets" on page 31.

Note 2: Refer to O.E.M. Parts Catalog for Part Number.

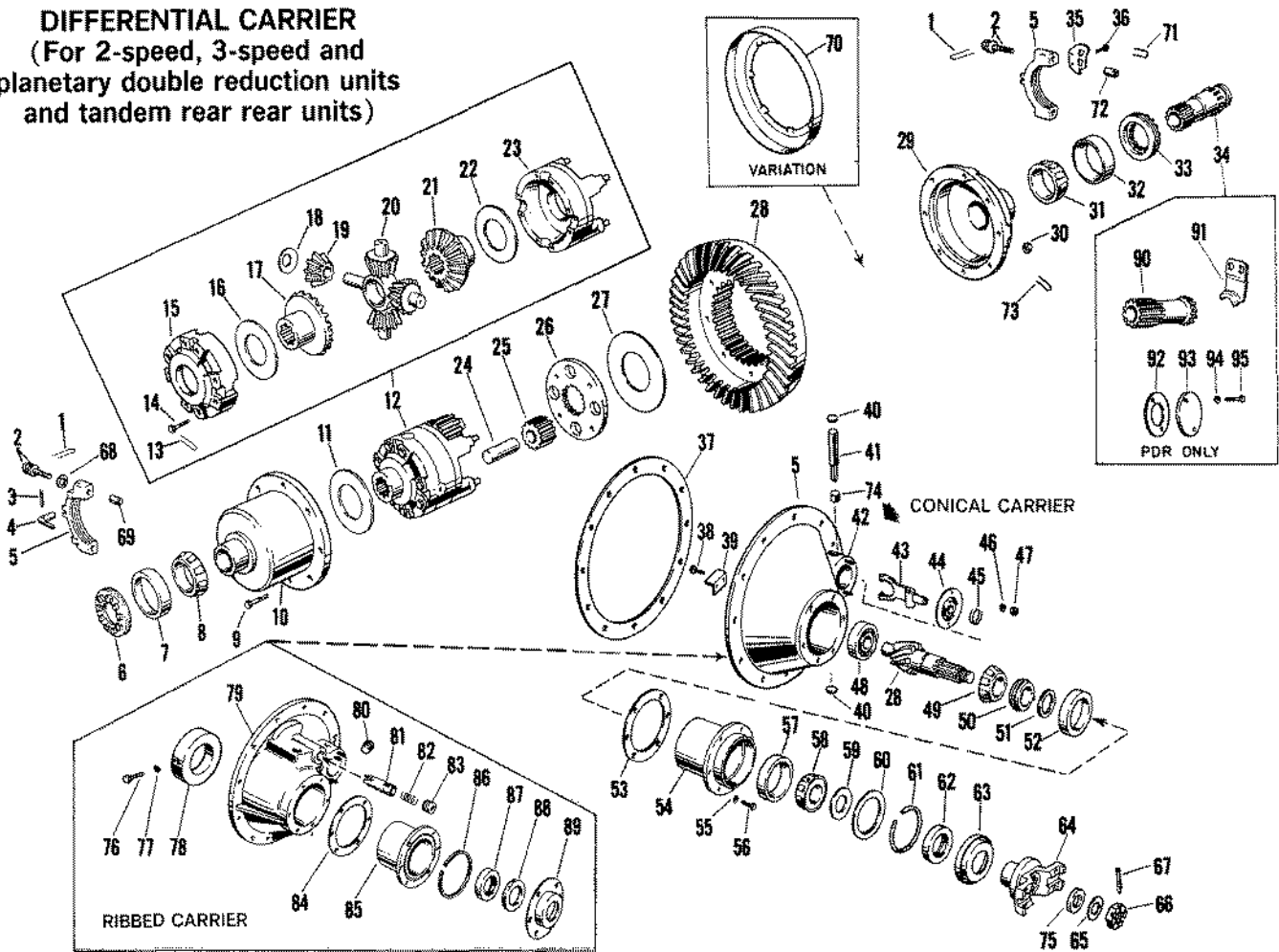
Note 3: Select Group Letter in Parts List, then refer to Pinion Bearing Spacer Table on page 38.

Note 4: Select Group Letter in Parts List, then refer to Pinion Bearing Cage Shim Table on page 39.



2-speed, 3-speed and planetary double reduction axles

DIFFERENTIAL CARRIER (For 2-speed, 3-speed and planetary double reduction units and tandem rear rear units)



RH - Right-hand

LH - Left-hand

axle models with conical carriers

Right and Left-Hand is determined by standing at rear of vehicle and facing rear of axle (as installed in vehicle).

Item No.	DESCRIPTION	PART NUMBERS									
		15200-1	16244	16220-1	30R3B,C	34R3B,C	34R3D,E	34R3B,C	34R3D,E	34R3B,C	34R3D,E
1	Lock Wire	12563	90536	90536	90538	90538	90538	90538	90538	12563	12563
2	Cap Screw	90036	14970	14970	32732	32732	32732	32732	32732	32732	32732
3	Cotter Pin	90873	90873	90873	90873	90873	90873	90873	90873	90876	90876
4	Adjuster Lock (RH)	90186	13377	13377	13377	13377	13377	13377	13377	14275	14275
5	Differential Carrier and Bearing Caps (Matched Parts) (Conical Type)	76929	76930	68915	67759	67759	67759	67759	67759	67911	67911
6	Differential Bearing Adjuster . . . (RH)	10524	14950	14950	27842	27842	27842	27842	27842	21637	21637
7	Differential Bearing Cup (RH)	24328	9803	9803	9803	9803	9803	9803	9803	15092	15092
8	Differential Bearing Cone (RH)	24330	15094	15094	27813	27813	27813	27813	27813	21635	21635
9	Bolt (Gear Support Cases to Gear)	44355	44356	44356	44358	44358	44358	44358	44358	44358	44358
10	Gear Support Case (RH Half)	20759	27860	27860	27839	27839	27839	27839	27839	21619	21619
11	Support Case Thrust Washer (RH)	20850	18346	18346	27827	27827	27827	27827	27827	18198	18198
12	Differential Assembly	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
13	Lock Wire	23130	23130	23130	12970	12970	12970	12970	12970	12970	12970
14	Cap Screw (Long) (Short)	20768	15050	15050	12467	12467	12467	12467	12467	21610	21610
		---	---	---	---	---	---	---	---	21611	21611

AXLE MODELS

Item No.	DESCRIPTION	PART NUMBERS									
		15200-1	16244 16344	30R3B,C 16220-1 16320-1	34R3B,C 34RTPB,C 17200-1 17300-1	34R3D,E 34RTPD,E 17220-1 17320-1	38R3B,C 38RTPB,C 42R3B 42RTPB 18200-1 18300-1	38R3D,E 38RTPD,E 42R3D 42RTPD 18220-1 18320-1	19200-1 19300-1 20200 20300	44RP 44RT 19220-1 19320-1 20220 20320	
15	Differential Case (RH Half)	20761	25967	25967	27812	27812	27812	27812	21609	21609	
16	Side Gear Thrust Washer (RH)	20850	18346	18346	27827	27827	27827	27827	18198	18198	
17	Side Gear (Note 5) (RH)	Page 39 Group K	Page 39 Group L	Page 39 Group L	Page 39 Group M	Page 39 Group M	Page 39 Group N	Page 39 Group N	Page 39 Group P	Page 39 Group Q	
18	Side Pinion Thrust Washer	25968	64467	64467	27810	27810	27810	27810	18199	18199	
19	Side Pinion	REFER TO ITEM 17									
20	Spider	20766	25971	25971	38289	38289	38289	38289	18167	18167	
21	Side Gear (LH)	REFER TO ITEM 17									
22	Side Gear Thrust Washer (LH)	20850	18346	18346	27827	27827	27827	27827	18198	18198	
23	Differential Case w/Clutch Plate Pin (LH Half)	20884	27880	27880	27843	27843	27843	27843	28042	28042	
24	Idle Pinion Pin	20821	14935	14935	27861	27861	27861	27861	27953	27953	
25	Idle Pinion	74057	27875	27875	27835	27835	27835	27835	27952	27952	
26	High-Speed Clutch Plate	74056	74023	27866	56931	56931	56931	56931	56928	56928	
27	Support Case Thrust Washer (LH)	43268	43269	43269	43270	43270	43270	43270	43271	43271	
28	Ring Gear and Drive Pinion (Matched Set)	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	
29	Gear Support Case (LH Half)	13385	27859	27859	27838	27838	27838	27838	27950	27950	
30	Lock Nut	60597	60598	60598	60599	60599	60599	60599	60599	60599	
31	Differential Bearing Cone (LH)	9804	27876	27876	27817	27817	27817	27817	21633	21633	
32	Differential Bearing Cup (LH)	9803	15092	15092	27816	27816	27816	27816	21632	21632	
33	Differential Bearing Adjuster (LH)	74055	74022	23077	56932	56932	56932	56932	56929	56929	
34	Sliding Clutch Gear (2-Speed)	74054	74021	27878	56933	56933	56933	56933	56930	56930	
35	Adjuster Lock (LH)	10602	14949	14949	37745	37745	37745	37745	47746	47746	
36	Cap Screw	9820	9820	9820	37747	37747	37747	37747	12562	12562	
37	Carrier Gasket	71805	71806	50364	72040	72040	72040	72040	52820	52820	
38	Oil Trough Screw	67815	67815	67815	67815	67815	67815	67815	67815	67815	
39	Oil Trough	67814	67814	67814	67814	67814	67814	67814	67814	67814	
40	Expansion Plug (Upper)	9797	9797	9797	30703	30703	30703	30703	30703	30703	
	(Lower)	9797	9797	9797	9797	9797	9797	9797	9797	9797	
41	Shift Fork Shaft (2-Speed)	47399	47399	47399	41103	41103	41103	41103	41103	41103	
42	Shift Unit Stud (2-Speed)	78400	78400	78400	78400	78400	78400	78400	78400	78400	
43	Shift Fork Assembly (2-Speed)	32326	32425	32425	62720	62720	62720	62720	32679	32679	
44	Shift Fork Seal and Spring	64085	64085	64085	64085	64085	64085	64085	64085	64085	
45	Shift Fork Seal Spring	35585	35585	35585	35585	35585	35585	35585	35585	35585	
46	Stud Flat Washer	78401	78401	78401	78401	78401	78401	78401	78401	78401	
47	Stud Nut	63028	63028	63028	63028	63028	63028	63028	63028	63028	
48	Pinion Pilot Bearing	13224	15828	15828	15828	15828	15828	15828	21639	21639	
49	Pinion Bearing Cone (Inner)	49848	33699	49848	12496	12496	12496	12496	14218	27239	
50	Pinion Bearing Spacer (Note 3)	Page 38 Group D	Page 38 Group G	Page 38 Group D	Page 38 Group F	Page 38 Group F	Page 38 Group F	Page 38 Group F	Page 38 Group A	Page 38 Group A	
51	Pinion Bearing Spacer Washer	---	---	---	---	---	---	---	31366	31366	
52	Pinion Bearing Cup (Inner)	49849	12495	49849	12495	12495	12495	12495	14217	27238	
53	Pinion Bearing Cage Shims (Note 12)	Page 39 Group A	Page 39 Group A	Page 39 Group A	Page 39 Group F	Page 39 Group F	Page 39 Group F	Page 39 Group F	Page 39 Group J	Page 39 Group J	
54	Pinion Bearing Cage w/Cups	64548	67817	64599	38596	67817	38596	67817	67913	79110	
55	Lock Washer	28571	28571	28571	28571	28571	28571	28571	90422	90422	
56	Cap Screw	30800	30800	30800	30800	30800	30800	30800	90070	90070	
57	Pinion Bearing Cup (Outer)	49849	12495	49849	12495	12495	12495	12495	14217	14217	
58	Pinion Bearing Cone (Outer)	49848	33699	49848	12496	12496	12496	12496	14218	14218	
59	Companion Flange Flat Washer (Standard)	12904	---	---	---	---	---	---	32969	---	
60	Spacer Washer (Not Used)	---	---	---	---	---	---	---	---	---	
61	Strip Sealer	67925	---	67925	---	---	---	---	67925	67925	
62	Oil Seal	64551	---	Note 14	---	---	---	---	63910	64656	
63	Oil Seal Retainer (Pressed-in Type)	64549	79470	Note 14	79470	79470	79470	79470	67917	67919	
64	Companion Flange	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	
65	Flat Washer	23991	14354	14354	4327	4327	4327	4327	56864	---	
66	Pinion Nut	90246	19205	19205	4328	4328	4328	4328	7865	22839	
67	Cotter Pin	90302	90299	90299	90299	90299	90299	90299	90872	39534	
68	Differential Carrier Cap Screw Washer	---	---	---	32912	32912	32912	32912	32912	32912	
69	Differential Carrier Dowel Bushing	---	---	---	32730	32730	32730	32730	32730	32730	
70	Used On Ribbed Carriers Only	---	---	---	---	---	---	---	---	---	
71	Lock Wire	12563	90533	90533	12563	12563	12563	12563	12563	12563	

	38R3B,C	38R3D,E		
	38RPB,C	38RPD,E		
	38RTB,C	38RTD,E		44RP
C	34R3D,E	42R3B	42R3D	44RT
C	34RPD,E	42RPB	42RPD	19200-1
C	34RTD,E	42RTB	42RTD	19300-1
-1	17220-1	18200-1	18220-1	20200
-1	17320-1	18300-1	18320-1	20300

Item No.	DESCRIPTION						38R3B,C 38RPB,C 38RTB,C	38R3D,E 38RPD,E 38RTD,E		
		15200-1	16244 16344	30R3B,C 16220-1 16320-1	34R3B,C 34RPB,C 34RTB,C	34R3D,E 34RPD,E 34RTD,E	42R3B 42RPB 42RTB	42R3D 42RPD 42RTD	19200-1 19300-1 20200 20300	44RP 44RT 19220-1 19320-1 20220 20320
		PART NUMBERS								
72	Adjuster Lock Bushing (LH)	---	---	---	37746	37746	37746	37746	---	---
73	Used On Ribbed Carriers Only	---	---	---	---	---	---	---	---	---
74	Used On Ribbed Carriers Only	---	---	---	---	---	---	---	---	---
75	Companion Flange Cork Washer	---	---	---	---	---	---	---	---	30390
76 thru 89	Used On Ribbed Carriers Only	---	---	---	---	---	---	---	---	---
90	Sun Gear (PDR Axles Only)	---	45324	45324	60614	60614	60614	60614	61057	61057
91	Sun Gear Retainer (PDR Axles Only) . .	---	45325	45325	43178	43178	43178	43178	43178	43178
92	Cover Gaskets (PDR Axles Only)	---	45526	45526	45526	45526	45526	45526	45526	45526
93	Shift Fork Opening Cover (PDR Axles Only)	---	45521	45521	45521	45521	45521	45521	45521	45521
94	Lockwasher	---	90415	90415	90415	90415	90415	90415	90415	90415
95	Cap Screw	---	20807	20807	20807	20807	20807	20807	20807	20807
	gasket sets	---	61958	61958	61972	61972	61972	61972	61975	61975

axle models with ribbed carriers

38R3			
38RP	0502-3	0800-1	2501
38RT	9502-3	9800-1	22500
42R3	19502-3	19800-1	22501
42RP	20502-3	20800-1	
42RT			
8802-3			
18802-3			

Item No.	DESCRIPTION	350 1350	13600 13602	3800-2 13800-2	16600 16601	30R3 30RP 30RT 6802-3 16802-3	34R3 34RP 34RT 7800 17800-1	38R3 38RT 42R3 42RP 42RT 8802-3 18802-3	0502-3 9502-3 19502-3 20502-3	0800-1 9800-1 19800-1 20800-1	22500 22501
						PART NUMBERS					
1	Lock Wire	12563	12563	12563	90536	90536	90538	90538	12563	12563	12563
2	Cap Screw	90036	90036	90036	14970	14970	32732	32732	32732	32732	32754
3	Cotter Pin	90873	90873	90873	90873	90873	90873	90873	90876	90876	90876
4	Adjuster Lock (RH)	90186	90186	90186	13377	13377	13377	13377	14275	14275	14275
5	Refer to Item 79										
6	Differential Bearing Adjuster (RH)	10524	10524	10524	14950	14950	27842	27842	21637	21637	30268
7	Differential Bearing Cup (RH)	24328	24328	24328	9803	9803	9803	9803	15092	15092	12500
8	Differential Bearing Cone (RH)	24330	24330	24330	15094	15094	27813	27813	21635	21635	12501
9	Bolt (Gear Support Cases to Gear)	44355	44355	44355	44356	44356	44358	44358	44358	44358	27118
10	Gear Support Case. (RH Half)	20759	20759	20759	27860	27860	27839	27839	21619	21619	30270
11	Support Case Thrust Washer (RH)	20850	20850	20850	18346	18346	27827	27827	18198	18198	27274
12	Differential Assembly. . . .	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
13	Lock Wire	23130	23130	23130	23130	23130	12970	12970	12970	12970	27625
14	Cap Screw (Long) (Short)	20768 ---	20768 ---	20768 ---	15050 ---	15050 ---	12467 ---	12467 ---	21610 21611	21610 21611	27262 ---
15	Differential Case . (RH Half)	20761	20761	20761	25967	25967	27812	27812	21609	21609	27132
16	Side Gear Thrust Washer (RH)	20850	20850	20850	18346	18346	27827	27827	18198	18198	27274
17	Side Gear (RH) (Note 5)	Page 39 Group K	Page 39 Group K	Page 39 Group K	Page 39 Group L	Page 39 Group L	Page 39 Group M	Page 39 Group N	Page 39 Group P	Page 39 Group Q	27241
18	Side Pinion Thrust Washer . .	25968	25968	25968	64467	64467	27810	27810	18199	18199	27275
19	Side Pinion				REFER TO ITEM 17						27273
20	Spider	20766	20766	20766	25971	25971	38289	38289	18167	18167	27164
21	Side Gear (LH)				REFER TO ITEM 17						27130
22	Side Seal Thrust Washer. (LH)	20850	20850	20850	18346	18346	27827	27827	18198	18198	27274
23	Differential Case w/Clutch Plate Pin (LH Half)	20884	20884	20884	27880	27880	27843	27843	28042	28042	27610
24	Idle Pinion Pin	20821	20821	20821	14935	14935	27861	27861	27953	27953	27121
25	Idle Pinion.	15868	15868	15868	27875	27875	27835	27835	27952	27952	27122
26	High-Speed Clutch Plate . .	16401	16401	16401	27866	27866	Note 17	Note 17	Note 17	Note 17	27096
27	Support Case Thrust Washer(LH)	43268	43268	43268	43269	43269	43270	43270	43271	43271	43272
28	Ring Gear and Drive Pinion (Matched Set)	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
29	Gear Support Case. (LH Half)	13385	13385	13385	27859	27859	27838	27838	27950	27950	30269
30	Lock Nut.	60597	60597	60597	60598	60598	60599	60599	60599	60599	90261

Item No.	DESCRIPTION	AXLE MODELS									
		350 1350	13600 13602	3800-2 13800-2	16600 16601	30R3 30RP 30RT 6802-3 16802-3	34R3 34RP 34RT 7800 17800-1	38R3 38RP 38RT 42R3 42RP 42RT 8802-3 18802-3	0502-3 9502-3 19502-3 20502-3	0800-1 9800-1 19800-1 20800-1	2501 22500 22501
PART NUMBERS											
31	Differential Bearing Cone (LH)	9804	9804	9804	27876	27876	27817	27817	21633	21633	30363
32	Differential Bearing Cup (LH)	9803	9803	9803	15092	15092	27816	27816	21632	21632	30362
33	Differential Bearing Adjuster (LH)	19849	19849	19849	23077	23077	Note 17	Note 17	Note 17	Note 17	30267
34	Sliding Clutch Gear (2-Speed)	19848	19848	19848	27878	27878	Note 17	Note 17	Note 17	Note 17	27098
35	Adjuster Lock (LH)	10602	10602	10602	14949	14949	37745	37745	47746	47746	37258
36	Cap Screw	9820	9820	9820	9820	9820	37747	37747	12562	12562	37257
37	Carrier Gasket	71805	71805	71805	50364	50364	72040	72040	52820	52820	27599
38	Used on Conical Carrier Only	---	---	---	---	---	---	---	---	---	---
39	Used on Conical Carrier Only	---	---	---	---	---	---	---	---	---	---
40	Expansion Plug (Upper) (Lower)	Note 7 9797	Note 7 9797	Note 7 9797	Note 7 9797	Note 7 9797	Note 7 9797	Note 7 9797	Note 7 9797	Note 7 9797	Note 7 9797
41	Shift Fork Shaft (2-Speed) . .	Note 8	Note 8	Note 8	Note 8	Note 8	Note 8	Note 8	Note 8	Note 8	Note 8
42	Shift Unit Stud (2-Speed) . .	78400	78400	78400	78400	78400	78400	78400	78400	78400	33370
43	Shift Fork Assembly (2-Speed)	Note 8	Note 8	Note 8	Note 8	Note 8	Note 8	Note 8	Note 8	Note 8	Note 8
44	Shift Fork Seal and Spring . .	64085	64085	64085	64085	64085	64085	64085	64085	64085	35583
45	Shift Fork Seal Spring	35585	35585	35585	35585	35585	35585	35585	35585	35585	35585
46	Stud Flat Washer	78401	78401	78401	78401	78401	78401	78401	78401	78401	37207
47	Stud Nut	63028	63028	63028	63028	63028	63028	63028	63028	63028	25348
48	Pinion Pilot Bearing	13224	---	13224	---	15828	15828	15828	21639	21639	27611
49	Pinion Bearing Cone (Inner) .	10775	31620	Note 10	32229	49848	12496	12496	14218	27239	27239
50	Pinion Bearing Spacer (Note 3)	Page 38 Group D	Page 38 Group C	Page 38 Group D	Page 38 Group C	Page 38 Group D	Page 38 Group F	Page 38 Group F	Page 38 Group A	Page 38 Group B	Page 38 Group B
51	Pinion Bearing Spacer Washer	---	---	---	---	---	---	---	31366	30389	30389
52	Pinion Bearing Cup (Inner) . .	10776	31621	Note 11	23125	49849	12495	12495	14217	27238	27238
53	Pinion Bearing Cage Shims . . (Note 12)	Page 39 Group A	Page 39 Group C	Page 39 Group A	Page 39 Group D	Page 39 Group A	Page 39 Group F	Page 39 Group F	Page 39 Group B	Page 39 Group E	Page 39 Group E
54	Refer to Item 85										
55	Lock Washer	90417	90417	90417	90417	28571	28571	28571	28571	90422	90422
56	Cap Screw	10809	Note 15	Note 15	30800	30800	30800	30800	90069	90070	90070
57	Pinion Bearing Cup (Outer) . .	10776	28409	Note 11	14377	49849	12495	12495	14217	27238	27238
58	Pinion Bearing Cone (Outer) .	10775	35932	Note 10	14378	49848	12496	12496	14218	27239	27239
59	Companion Flange Flat Washer (Standard) (Special)	12904 Note 2	---	12904	---	---	---	---	32969	---	---
60	Seal Retainer Spacer Washer	---	32213	---	32213	---	38600	38600	---	---	---
61	Strip Sealer	---	38939	---	38939	---	38939	38939	---	---	---
62	Oil Seal										
63	Oil Seal Retainer (Pressed-in Type)										
REFER TO NOTE 14 OR PAGE 15											
64	Companion Flange	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
65	Flat Washer	23991	23991	23991	14354	14354	4327	4327	56864	---	---
66	Pinion Nut	90246	90246	90246	19205	19205	4328	4328	7865	22839	22839
67	Cotter Pin	90302	90299	90302	90299	90299	90299	90299	90872	39534	90872
68	Differential Carrier Cap Screw Washer	---	---	---	---	---	32912	32912	32912	32912	27243
69	Differential Carrier Dowel Bushing	---	---	---	---	---	32730	32730	32730	32730	32901
70	Oil Collector Drum	15275	15275	Note 6	27865	Note 6	Note 6	Note 6	27955	52823	27261
71	Lock Wire	12563	12563	12563	90533	90533	12563	12563	12563	12563	12563
72	Adjuster Lock Bushing . . (LH)	---	---	---	---	---	37746	37746	---	---	37256
73	Lock Wire	---	---	---	---	---	---	---	---	---	27626
74	Shift Fork Shaft Bushing . .	---	---	---	---	---	---	---	---	---	30338
75	Companion Flange Cork Washer	---	---	---	---	---	---	---	---	30390	30390
76	Cap Screw	---	---	---	---	---	---	---	---	---	90033
77	Lockwasher	---	---	---	---	---	---	---	---	---	36014
78	Pinion Inner Bearing Sleeve .	---	---	---	---	---	---	---	---	---	35708
79	Differential Carrier and Bearing Caps (Matched Parts) (Ribbed Type)	21187	32549	47941	32800	47949	39399	Note 4	47743	53193	37345
80	Carrier Shift Pad Cup Plug . .	33127	---	33127	33127	---	33127	33127	33127	---	33127
81	Oil Distributor	33591	33591	Note 9	33594	Note 9	Note 9	Note 9	21612	21612	21612
82	Spring	15277	15277	15277	15277	15277	15277	15277	15277	15277	15277
83	Pipe Plug	90321	90321	90321	90321	90321	90321	90321	90321	90321	90321

Item No.	DESCRIPTION	AXLE MODELS									
		350 1350	13600 13602	3800-2 13800-2	16600 16601	30R3 30RP 30RT 6802-3 16802-3	34R3 34RP 34RT 7800 17800-1	38R3 38RP 38RT 42R3 42RP 42RT 8802-3 18802-3	0502-3 9502-3 19502-3 20502-3	0800-1 9800-1 19800-1 20800-1	2501 22500 22501
		PART NUMBERS									
84	Pinion Bearing Cage Spacer .	---	---	---	---	---	---	---	50106	---	Note 16
85	Pinion Bearing Cage w/Cups (with Cork Seal)	81737	31617	Note 13	32228	49850	38596	38596	14220	62038	62038
86	Cork Seal.	10767	---	10767	---	10767	12492	12492	12492	27613	27613
87	Oil Seal (for Flanged Retainer)		REFER TO NOTE 14 OR PAGE 15								
88	Felt Seal (for Flanged Retainer)										
89	Oil Seal Retainer Assembly (Flanged Type).										
90	Sun Gear (Used on PDR Axles Only) .	45614	---	45614	---	45324	Note 17	Note 17	Note 17	Note 17	49067
91	Sun Gear Retainer (Used on PDR Axles Only) .	45615	---	45615	---	45325	43178	43178	43178	43178	52085
92	Cover Gasket (Used on PDR Axles). . . .	45526	---	45526	---	45526	45526	45526	45526	45526	27254
	(Used on 2-Speed Axles). .	20805	---	20805	---	20805	20805	20805	20805	20805	27254
93	Shift Fork Opening Cover (Used on PDR Axles). . . .	45521	---	45521	---	45521	45521	45521	45521	45521	27713
	(Used on 2-Speed Axles). .	25523	---	25523	---	25523	25523	25523	25523	25523	27713
94	Lockwasher	90415	---	90415	---	90415	90415	90415	90415	90415	90414
95	Cap Screw	20807	---	20807	---	20807	20807	20807	20807	20807	90079
	Cap Screw (Used on 2-Speed Axles).	20806	---	20806	---	20806	20806	20806	20806	20806	27612
	gasket sets	61968	61967	61968	61969	61958	61972	61972	61975	61961	61978

- Note 1: Refer to "How to Order Ring Gear and Drive Pinion Sets" on page 31.
On Models 350, 1350, 13600, 13602, 3800 and 13800 refer to page 37 for Ring Gear and Pinion Sets.
- Note 2: Refer to O.E.M. Parts Catalog for Part Number.
- Note 3: Select Group Letter in Parts List, then refer to Pinion Bearing Spacer Table on page 38.
- Note 4: Use 46827 for Electric and Air Shift only. Use 39726 for any and all type shifts.
- Note 5: Select Group Letter in Parts List, then refer to Side Gears and Side Pinions Table on page 39.
- Note 6: Refer to Oil Collector Drum Table on page 14.
- Note 7: Part number 9797 is 15/16 inch diameter; 30703 is 1-1/4 inch diameter and 27737 is 1-3/8 inch diameter.
- Note 8: Refer to Shift Forks and Shafts Table on page 15.
- Note 9: Refer to Oil Distributor Table on page 14.

- Note 10: Use Bearing Cone 10775 for Models 3800 and 13800.
Use Bearing Cone 49848 for Models 3802 and 13802.
- Note 11: Use Bearing Cup 10776 for Models 3800 and 13800.
Use Bearing Cup 49849 for Models 3802 and 13802.
- Note 12: Select Group Letter in Parts List, then refer to Pinion Bearing Cage Shim Table on page 39.
- Note 13: Use Bearing Cage w/Cups 81737 for Models 3800 and 13800.
Use Bearing Cage w/Cups 64548 for Models 3802 and 13802.
- Note 14: Refer to Oil Seal, Felt Seal and Retainer Variation Table on page 15.
- Note 15: Use Cap Screw 10809 for Models 3800 and 13800; 30800 for Models 3802 and 13802; 30800 for Model 13600; 9233 for Model 13602.
- Note 16: Use Spacer 37143 for Ratios 8.39 and 9.13 to 1 only.
- Note 17: Refer to Clutch Parts and Kit Table on Page 15.

oil collector drums (RIBBED CARRIERS)

DESCRIPTION	AXLE MODELS			
	3800 13800	3802 13802	30R3, 30RP 30RT, 6802, 6803, 16802 16803	34R3, 34RP, 34RT, 38R3, 38RP, 38RT, 42R3, 42RP, 42RT 7800, 17800, 17801, 18802, 8802-3, 18803
PART NUMBERS				
Oil Collector Drum (1-3/16 in. wide)	---	55516	---	54252
(1-15/32 in. wide)	15275	15275	---	---
(1-7/16 in. wide)	---	---	47473	47353
(1-21/32 in. wide)	---	---	---	27826
(1-25/32 in. wide)	---	---	27865	---

oil distributors (RIBBED CARRIERS)

AXLE MODELS	OIL DISTRIBUTOR PART NUMBER
3800, 13800 (Ratios 5.14, 5.83, 6.33, 8.11, 8.81). . . .	33591
3802, 13802 (Ratios 4.56, 5.14, 7.15)	55515
(Ratios 5.83, 6.33, 8.11, 8.81)	33591
34RP, 38RP, 42RP, 7800, 8802, 8803, 17800, 17801, 18802, 18803 (Ratios 3.70, 5.05)	46905
(Ratios 4.87, 5.57, 6.14, 6.65, 7.60, 8.38) (Ratios 4.11, 4.33, 4.56, 5.61)	33594
30RT, 30RP, 16802, 16803 (Ratios 4.62, 4.87, 5.57)	46905
(Ratios 6.14, 6.5)	33594

oil seals, oil seal and retainer assemblies

2-speed, 3-speed and PDR

Item No.	DESCRIPTION	FLANGED TYPE RETAINERS AXLE MODELS					PRESSED-IN TYPE RETAINERS AXLE MODELS				
		350 1350	30R3 30RP 6802 6803 30RT 16802 16803	0502-3 9502-3 19502-3 20502-3	0800-1 2501 9800-1 19800-1 20800-1 22500-1		3800 3802	34RT 34R3 34RP 7800	16600 17800 18802 18803	38R3 38RT 38RP 42R3 42RP 42RT 8802 8803 30R3B 30R3C 16220-1 16320-1	
62, 87	Oil Seal (2" I.D.) (2-1/4" I.D.) (2-3/8" I.D.) (2-5/8" I.D.) (2-15/16" I.D.)	19235 64551 --- --- ---	--- --- 19195 63910 ---	--- --- --- 63910 ---	--- --- --- --- 64656		--- 64551 19195 --- ---	--- 64551 --- --- ---	--- --- 19195 63910 ---	--- --- --- --- ---	---
88	Felt Seal (2" I.D.) (2-1/4" I.D.) (2-3/8" I.D.) (2-5/8" I.D.) (2-15/16" I.D.)	10785 55548 --- --- ---	--- --- 19196 75307 ---	--- --- --- 75307 ---	--- --- --- --- 7861		--- 55548 19196 --- ---	--- --- --- --- ---	--- --- 19196 --- ---	--- --- --- --- ---	---
63, 89	Oil Seal Retainer Assembly (Use with 2" I.D. Seal) (Use with 2-1/4" I.D. Seal) (Use with 2-3/8" I.D. Seal) (Use with 2-5/8" I.D. Seal) (Use with 2-15/16" I.D. Seal)	10783 55549 --- --- ---	--- --- 19193 14951 ---	--- --- --- 12944 ---	--- --- --- --- 27252		--- 35925 32155 --- ---	--- 64549 --- --- ---	--- --- 32155 28854 79470	--- --- --- 79470 ---	--- --- 64680 64601 ---

shift forks and shafts (RIBBED CARRIERS ONLY)

Item No.	DESCRIPTION	AXLE MODELS									
		1350 13602	13600 13602	13800 13802	16600 16601	30R3 30RT 16802 16803	34R3 34RT 17800 17801	38R3 38RT 42R3 42RT 18802 18803	19502 19503 20502 20503	19800 19801 20800 20801	22500 22501
41	Shift Fork Shaft (2-Speed) (For Electric Shift) . . . (For Air Shift) (For Vacuum Shift) . . . (For Mechanical Shift) . .	47399 --- 26038 21426	47399 --- 26038 ---	47399 --- --- 21426	47399 --- 26037 ---	47399 --- --- ---	41103 --- --- ---	41103 --- 27897 ---	41103 22829 26072 ---	41103 --- --- ---	33717 27716 --- ---
43	Shift Fork Assembly (2-Speed) (For Electric Shift) . . . (For Air Shift) (For Vacuum Shift) . . . (For Mechanical Shift) . .	32326 --- --- 21190	32326 --- 35902 ---	32326 --- --- 21190	32425 --- 26045 ---	32425 --- --- ---	62720 --- --- ---	62720 --- 27823 ---	32679 26074 26074 ---	32679 --- --- ---	33369 27715 --- ---

clutch parts and kits

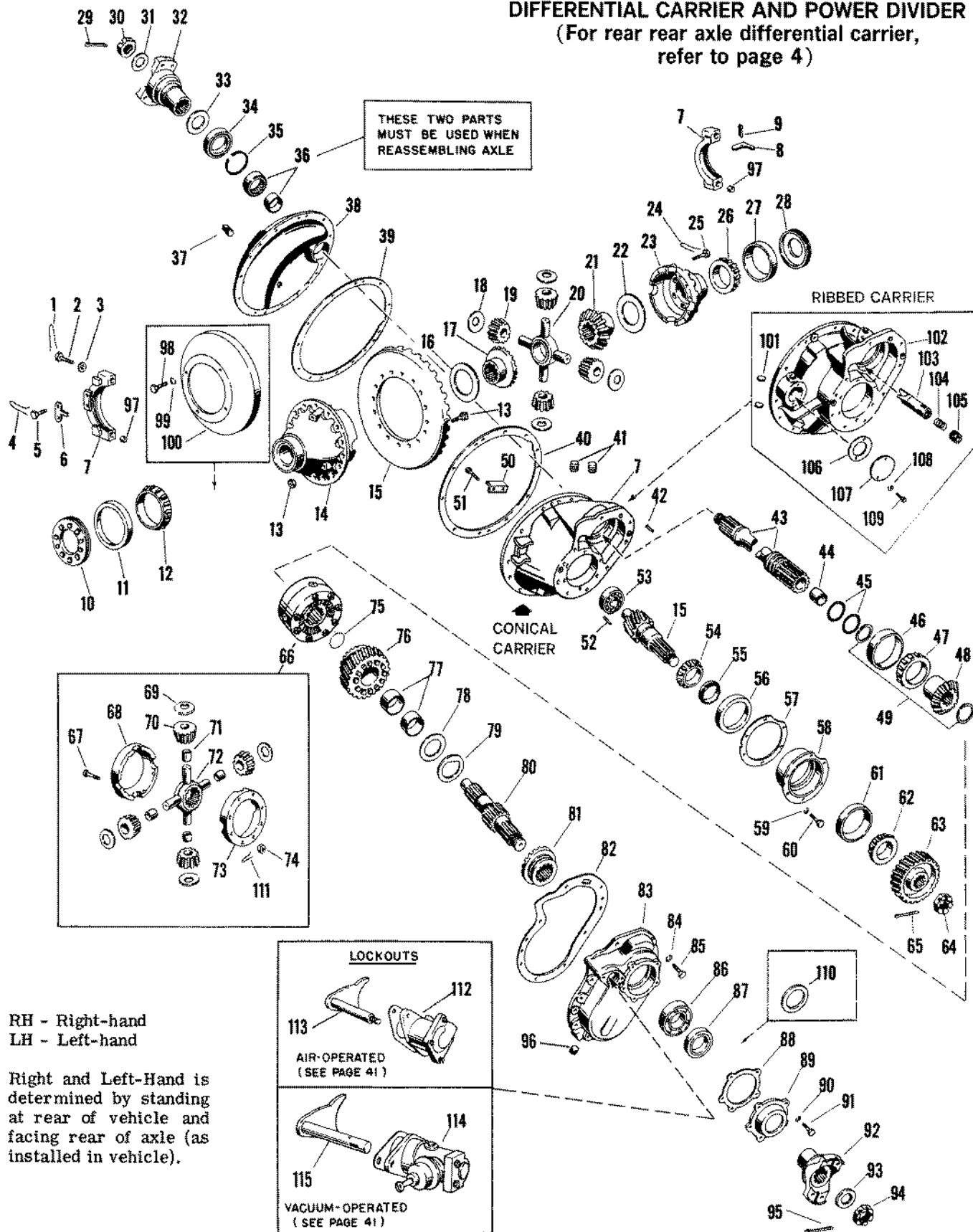
Item No.	DESCRIPTION	AXLE MODELS			
		34RP, 38RP, 42RP 7800, 8802, 8803	34R3, 38R3, 34RT 38RT, 42R3, 42RT 17800-1, 18802-3	0502-3, 9502-3 0800-1, 9800-1	19502-3, 19800-1 20502-3, 20800-1
26	Clutch Plate Early-style 35° Angle	27837 *56931	27837 *56931	21620 *56928	21620 *56928
33	Adjuster Early-style 35° Angle	27832 *56932	27832 *56932	21630 *56929	21630 *56929
34	Clutch Gear Early-style 35° Angle	--- ---	27834 *56933	--- ---	27951 *56930
90	Sun Gear Early-style 35° Angle 35° Angle Kits	43166 *60614 62040	--- --- 60608	45398 *61057 62041	--- --- 60609

* Parts contained in their respective Kits.



"D" series single reduction tandem drive axles

FORWARD REAR AXLE DIFFERENTIAL CARRIER AND POWER DIVIDER (For rear rear axle differential carrier, refer to page 4)



axle models with conical carriers

"D" series single reduction tandem

Item No.	DESCRIPTION	AXLE MODELS		
		30DSB 30DSC	34DSB 34DSC 34DSD 34DSE	38DSB 38DSC 38DSD 38DSE
		PART NUMBERS		
1	Lock Wire	12563	90538	90538
2	Cap Screw	14970	67811	67811
3	Flat Washer	---	26772	26772
4	Lock Wire	---	---	---
5	Cap Screw	---	---	---
6	Adjuster Lock (RH)	14275	14275	14275
7	Differential Carrier and Bearing Caps (Matched Parts) (Conical Type)	65423	67853	67853
8	Adjuster Lock (LH)	90186	13377	13377
9	Cotter Pin (RH)	90876	90876	90876
	(LH)	90873	90873	90873
10	Differential Bearing Adjuster (RH)	31562	31562	31562
11	Differential Bearing Cup . (RH)	90943	90943	90943
12	Differential Bearing Cone (RH)	6082	6082	6082
13	Bolt and Lock Nut Kit	67686	69957	69957
14	Differential Case . . (RH Half)	67908	67812	67812
15	Ring Gear and Drive Pinion (Matched Set)	Note 1	Note 1	Note 1
16	Side Gear Thrust Washer . (RH)	18346	27827	27827
17	Side Gear (Note 4) . . (RH)	Page 39	Page 39	Page 39
		Group B	Group C	Group D
18	Side Pinion Thrust Washer.	64467	27810	27810
19	Side Pinion	REFER TO ITEM 17		
20	Spider	25971	38289	38289
21	Side Gear (LH)	REFER TO ITEM 17		
22	Side Gear Thrust Washer . (LH)	18346	27827	27827
23	Differential Case . . (LH Half)	33670	45452	45452
24	Lock Wire	12970	4433	4433
25	Cap Screw (Short)	33679	---	---
	Cap Screw (Long)	4575	4575	4575
26	Differential Bearing Cone (LH)	40679	27813	27813
27	Differential Bearing Cup . (LH)	90951	9803	9803
28	Differential Bearing Adjuster (LH)	33682	27842	27842
29	Cotter Pin	90299	90299	90299
30	Output Shaft Nut	4328	4328	4328
	Output Shaft Nut (Special)	38561	38561	38561
31	Flat Washer	4327	4327	4327
32	Output Companion Flange	Note 2	Note 2	Note 2
33	Rear Bearing Retainer Washer	46583	46583	46583
34	Oil Seal	63910	63910	63910
35	Rear Bearing Snap Ring	45516	45516	45516
36	Output Shaft Rear Bearing and Sleeve (Matched Parts)	46584	46584	46584
37	Axle Cover Filler Plug (Magnetic)	54254	54254	54254
38	Axle Housing Cover	46646	75335	75335
39	Cover Gasket	46747	45520	45520
40	Carrier Gasket	50364	72040	72040
41	Carrier Oil Passage Hole Plug.	90325	90325	90325
42	Dowel Pins	7641	7641	7641
43	Output Shaft and Bushing.	46767	45469	45469
44	Output Shaft Bushing	48922	48922	48922
45	Output Shaft "O" Rings	46526	46526	46526
46	Output Shaft Bearing Cup (Inner)	51232	51232	51232
47	Output Shaft Bearing Cone (Inner)	51233	51233	51233
48	Output Shaft Side Gear	45466	45466	45466
49	Output Shaft Snap Rings	44178	44178	44178
50	Oil Pickup Trough	67857	67857	67857
51	Self-locking Screw	67815	67815	67815
52	Dowel Pins	7641	7641	7641
53	Pinion Pilot Bearing	15828	15828	15828

Item No.	DESCRIPTION	AXLE MODELS		
		30DSB 30DSC	34DSB 34DSC 34DSD 34DSE	38DSB 38DSC 38DSD 38DSE
		PART NUMBERS		
54	Pinion Bearing Cone (Inner)	12496	45460	45460
55	Pinion Bearing Spacer (Note 3)	Page 38 Group F	Page 38 Group F	Page 38 Group F
56	Pinion Bearing Cup (Inner) .	12495	14217	14217
57	Pinion Bearing Cage Shims . (Note 5)	Page 39 Group H	Page 39 Group G	Page 39 Group G
58	Pinion Bearing Cage w/Cups	46759	Note 6	Note 6
59	Lockwasher	28571	28571	28571
60	Cap Screw	62158	62158	62158
61	Pinion Bearing Cup (Outer) .	12495	14217	14217
62	Pinion Bearing Cone (Outer)	12496	45460	45460
63	Pinion Helical Gear	46763	Note 7	Note 7
64	Pinion Nut	7865	7865	7865
65	Cotter Pin	90872	90872	90872
66	Inter-Axle Differential Assembly	45473	45473	45473
67	Bolt	64930	64930	64930
68	Inter-Axle Differential Case (Female Half)	45471	45471	45471
69	Side Pinion Thrust Washer .	25968	25968	25968
70	Side Pinion and Bushing . .	51348	51348	51348
71	Side Pinion Bushing	50718	50718	50718
72	Spider	45472	45472	45472
73	Inter-Axle Differential Case (Male Half)	45470	45470	45470
74	Lock Nut	63028	63028	63028
75	Input Shaft Snap Ring . . .	46983	46983	46983
76	Helical and Differential Side Gear and Bushing	46766	45476	45476
77	Helical and Differential Side Gear Bushings	48921	48921	48921
78	Helical and Differential Side Gear Thrust Washer	45477	45477	45477
79	Helical and Differential Side Gear "D" Washer	45478	45478	45478
80	Input Shaft	45479	45479	45479
81	Input Shaft Sliding Clutch .	45480	45480	45480
82	Carrier Cover Gasket	74271	74271	74271
83	Differential Carrier Cover .	45481	45481	45481
84	Lockwasher	90417	90417	90417
85	Cap Screw (Long)	12063	12063	12063
	Cap Screw (Short)	90069	90069	90069
86	Input Shaft Bearing	38593	38593	38593
87	Oil Seal	63910	63910	63910
88	Bearing Cover Shims (0.003" thick)	45498	45498	45498
	(0.005" thick)	70709	70709	70709
	(0.010" thick)	45499	45499	45499
89	Bearing Cover and Seal . . .	45484	45484	45484
90	Lockwasher	90414	90414	90414
91	Cap Screw	90059	90059	90059
92	Input Companion Flange . . .	Note 2	Note 2	Note 2
93	Flat Washer	56864	56864	56864
94	Input Shaft Nut	7865	7865	7865
95	Cotter Pin	90872	90872	90872
96	Drain Hole Pipe Plug	90898	90898	90898
97 thru 111	Parts Used on Ribbed Carriers Only			
112	Air-Operated Lockout Assembly			
113	Shift Fork and Push Rod Assembly (Air-Operated)	Refer to page 41 for Vacuum or Air-Operated Lockout Part Numbers.		
114	Vacuum-Operated Lockout Assembly			
115	Shift Fork and Push Rod Assembly (Vacuum-Operated)			
	gasket sets	61949	61952	61952

axle models with ribbed carriers

		AXLE MODELS		
		30DS	34DS	38DS
Item No.	DESCRIPTION	PART NUMBERS		
1	Lock Wire	90536	90538	90538
2	Cap Screw	14970	32732	32732
3	Flat Washer	33206	32912	32912
4	Lock Wire	90533	12563	12563
5	Cap Screw	9820	12562	12562
6	Adjuster Lock (RH)	46773	45448	45448
7	Refer to Item 102			
8	Adjuster Lock (LH)	13377	13377	13377
9	Cotter Pin (RH)	---	---	---
		(LH)	90873	90873
10	Differential Bearing			
	Adjuster (RH)	21637	45456	45456
11	Differential Bearing Cup . (RH)	15092	27816	27816
12	Differential Bearing Cone (RH)	27876	27817	27817
13	Bolt and Locknut	67686	69957	69957
14	Differential Case . . (RH Half)	46753	45451	45451
15	Ring Gear and Drive Pinion (Matched Set)	Note 1	Note 1	Note 1
16	Side Gear Thrust Washer . (RH)	18346	27827	27827
17	Side Gear (Note 4) . . . (RH)	Page 39	Page 39	Page 39
		Group B	Group C	Group D
18	Side Pinion Thrust Washer . .	64467	27810	27810
19	Side Pinion	REFER TO ITEM 17		
20	Spider	25971	38289	38289
21	Side Gear (LH)	REFER TO ITEM 17		
22	Side Gear Thrust Washer . (LH)	18346	27827	27827
23	Differential Case . . (LH Half)	46754	45452	45452
24	Lock Wire	12970	4433	4433
25	Cap Screw (Short)	33679	---	---
	Cap Screw (Long)	4575	4575	4575
26	Differential Bearing Cone (LH)	15094	27813	27813
27	Differential Bearing Cup . (LH)	9803	9803	9803
28	Differential Bearing			
	Adjuster (LH)	14950	27842	27842
29	Cotter Pin	Note 2	Note 2	Note 2
30	Output Shaft Nut	Note 2	Note 2	Note 2
	Output Shaft Nut (Special) . .	---	---	---
31	Flat Washer	Note 2	Note 2	Note 2
32	Output Companion Flange . .	Note 2	Note 2	Note 2
33	Rear Bearing Retainer Washer .	46583	46583	46583
34	Oil Seal	63910	63910	63910
35	Rear Bearing Snap Ring . . .	45516	45516	45516
36	Output Shaft Rear Bearing and Sleeve (Matched Parts) . . .	46584	46584	46584
37	Axle Cover Filler Plug (Magnetic)	54254	54254	54254
38	Axle Housing Cover	46646	75335	75335
39	Cover Gasket	46747	45520	45520
40	Carrier Gasket	50364	72040	72040
41	Carrier Oil Passage Hole Plug .	---	---	---
42	Dowel Pins	7641	7641	7641
43	Output Shaft and Bushing . .	46767	45469	45469
44	Output Shaft Bushing	48922	48922	48922
45	Output Shaft "O" Rings . . .	46526	46526	46526
46	Output Shaft Bearing Cup (Inner)	51232	51232	51232
47	Output Shaft Bearing Cone (Inner)	51233	51233	51233
48	Output Shaft Side Gear	45466	45466	45466
49	Output Shaft Snap Rings . . .	44178	44178	44178
50	Used on Conical Carriers Only	---	---	---
51	Used on Conical Carriers Only	---	---	---
52	Dowel Pins	7641	7641	7641

		AXLE MODELS		
Item No.	DESCRIPTION	30DS	34DS	38DS
		PART NUMBERS		
53	Pinion Pilot Bearing	15828	15828	15828
54	Pinion Bearing Cone (Inner). . .	12496	45460	45460
55	Pinion Bearing Spacer	Page 38	Page 38	Page 38
	(Note 3)	Group F	Group F	Group F
56	Pinion Bearing Cup (Inner) . . .	12495	14217	14217
57	Pinion Bearing Cage Shims . . .	Page 39	Page 39	Page 39
	(Note 5)	Group H	Group G	Group G
58	Pinion Bearing Cage w/cups . . .	46759	45459	45459
59	Lockwasher	28571	28571	28571
60	Cap Screw	62158	62158	62158
61	Pinion Bearing Cup (Outer) . . .	12495	14217	14217
62	Pinion Bearing Cone (Outer) . .	12496	45460	45460
63	Pinion Helical Gear	46763	46977	46977
64	Pinion Nut	7865	7865	7865
65	Cotter Pin.	90872	90872	90872
66	Inter-Axle Differential Assembly	45473	45473	45473
67	Bolt	64930	64930	64930
68	Inter-Axle Differential Case (Female Half)	45471	45471	45471
69	Side Pinion Thrust Washer . . .	25968	25968	25968
70	Side Pinion and Bushing	51348	51348	51348
71	Side Pinion Bushing	50718	50718	50718
72	Spider	45472	45472	45472
73	Inter-Axle Differential Case (Male Half)	45470	45470	45470
74	Lock Nut	63028	63028	63028
75	Input Shaft Snap Ring	46983	46983	46983
76	Helical and Differential Side Gear and Bushing	46766	45476	45476
77	Helical and Differential Side Gear Bushings	48921	48921	48921
78	Helical and Differential Side Gear Thrust Washer'	45477	45477	45477
79	Helical and Differential Side Gear "D" Washer	45478	45478	45478
80	Input Shaft	45479	45479	45479
81	Input Shaft Sliding Clutch . . .	45480	45480	45480
82	Differential Carrier Cover Gasket	74271	74271	74271
83	Differential Carrier Cover . . .	45481	45481	45481
84	Lockwasher	90417	90417	90417
85	Cap Screw (Long).	12063	12063	12063
	Cap Screw (Short)	90069	90069	90069
86	Input Shaft Bearing	38593	38593	38593
87	Oil Seal	63910	63910	63910
88	Bearing Cover Shims (0.003" thick)	45498	45498	45498
	(0.005" thick)	70709	70709	70709
	(0.010" thick)	45499	45499	45499
89	Bearing Cover and Seal	45484	45484	45484
90	Lockwasher	90414	90414	90414
91	Cap Screw	90059	90059	90059
92	Input Companion Flange. . . .	Note 2	Note 2	Note 2
93	Flat Washer	56864	56864	56864
94	Input Shaft Nut	7865	7865	7865
95	Cotter Pin.	90872	90872	90872
96	Drain Hole Pipe Plug	90898	90898	90898
97	Bearing Cap Dowel Bushing . . .	---	32730	32730
98	Cap Screw	---	20807	20807
99	Lockwasher	---	90415	90415
100	Oil Collector Drum (2-9/16" Wide)	---	45457	45457
	(2-5/32" Wide)	---	54256	54256

		AXLE MODELS		
Item No.	DESCRIPTION	30DS	34DS	38DS
		PART NUMBERS		
101	Expansion Plugs (Lower) . . .	9797	9797	9797
	Expansion Plugs (Upper) . . .	9797	30703	30703
102	Differential Carrier and Bearing Caps (Matched Parts) (Ribbed Type).	46750	65419	65419
103	Oil Distributor (Ratios 3.70 and 4.11 Only) (All Other Ratios).	46752 ---	46752 33594	46752 33594
104	Spring	15277	15277	15277
105	Pipe Plug	90321	90321	90321
106	Hole Cover Gasket	45526	45526	45526
107	Hole Cover	45521	45521	45521
108	Lockwasher	90415	90415	90415
109	Cap Screw	20807	20807	20807
110	Felt Seal	---	---	---
111	Lock Wire	---	---	---
112	Air-Operated Lockout Assembly	Refer to page 41 for Vacuum or Air-Operated Lockout Part Numbers.		
113	Shift Fork and Push Rod Assembly (Air-Operated)			
114	Vacuum-Operated Lockout Assembly			
115	Shift Fork and Push Rod Assembly (Vacuum-Operated)			
	gasket sets	61949	61952	61952

Note 1: Refer to "How to Order Ring Gear and Drive Pinion Sets" on page 31.

Note 2: Refer to O.E.M. Parts Catalog for Part Number.

Note 3: Select Group Letter in Parts List, then refer to Pinion Bearing Spacer Table on page 38.

Note 4: Select Group Letter in Parts List, then refer to Side Gears and Side Pinion Table on page 39.

Note 5: Select Group Letter in Parts List, then refer to Pinion Bearing Cage Shim Table on page 39.

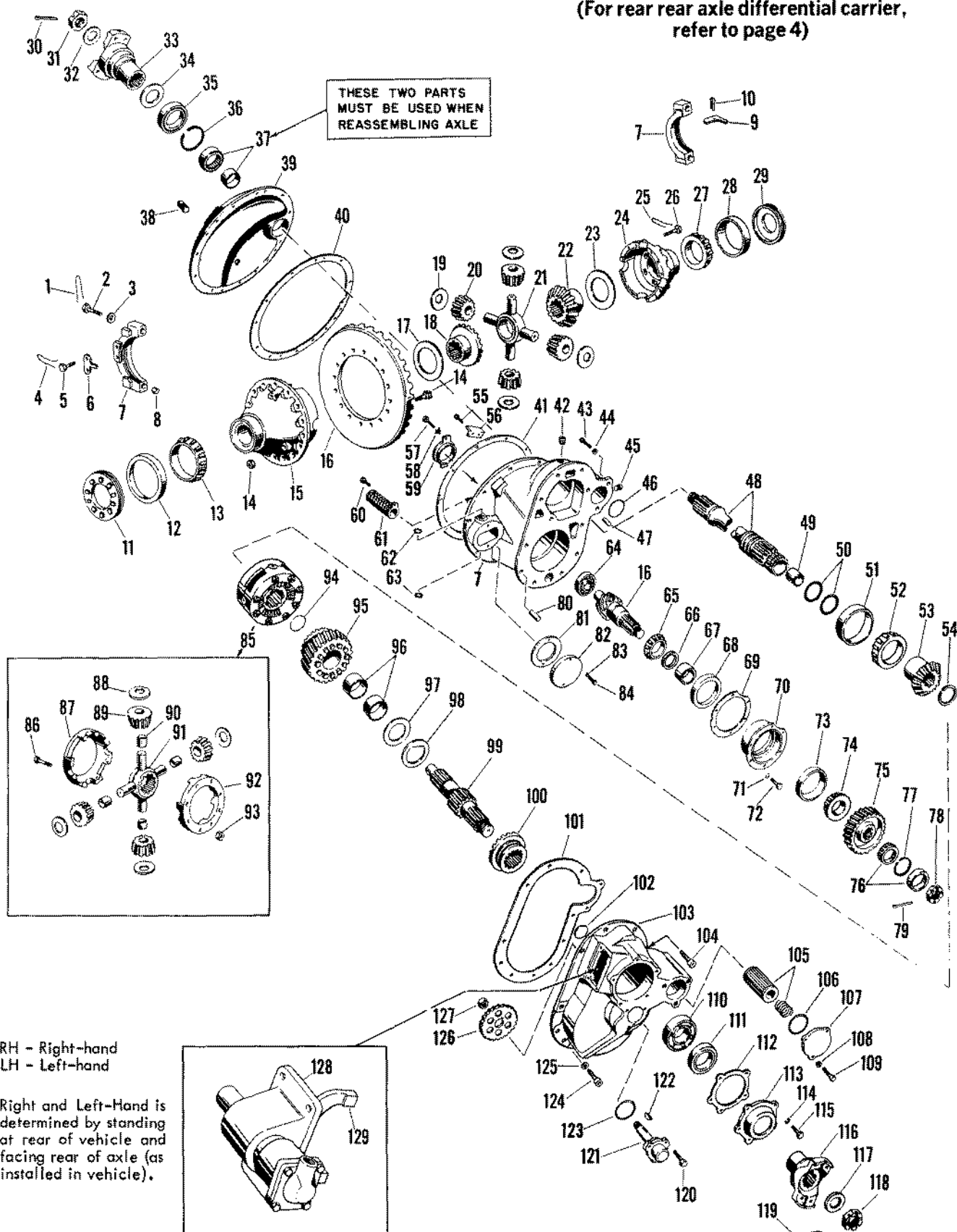
Note 6: Use Part Number 45459 for Models 34DSB, 34DSC, 38DSB and 38DSC. Use Part Number 74973 for Models 34DSD, 34DSE, 38DSD and 38DSE.

Note 7: Use Part Number 46977 for Models 34DSB, 34DSC, 38DSB and 38DSC. Use Part Number 74991 for Models 34DSD, 34DSE, 38DSD and 38DSE.



44DS single reduction tandem drive axles

FORWARD REAR AXLE DIFFERENTIAL CARRIER AND POWER DIVIDER (For rear rear axle differential carrier, refer to page 4)



44DS SINGLE REDUCTION TANDEM

Item No.	DESCRIPTION	Part No.	Item No.	DESCRIPTION	Part No.	Item No.	DESCRIPTION	Part No.
1	Lock Wire	12563	42	Carrier Filler Plug	90325	89	Side Pinion	78903
2	Cap Screw	32732	43	Cap Screw (Carrier to Cover)	62158	90	Side Pinion Bushing	78901
3	Flat Washer	32912	44	Lockwasher	90417	91	Spider	78910
4	Lock Wire	12563	45	Carrier Oil Pressure Gage Plug	28325	92	Inter-Axle Differential Case	78906
5	Cap Screw	12562	46	Carrier to Cover "O" Ring	81477	93	Lock Nut	57637
6	Adjuster Lock . . (RH) . .	45448	47	Dowel Pin	7641	94	Input Shaft Snap Ring . .	78909
7	Differential Carrier and Bearing Caps (Matched Parts)	78998	48	Output Shaft and Bushing	78865	95	Helical and Differential Side Gear and Bushings . .	78863
8	Dowel Bushing	32730	49	Output Shaft Bushing . . .	48922	96	Side Gear Bushings	75063
9	Adjuster Lock . . (LH) . .	14275	50	Output Shaft "O" Rings . .	78931	97	Side Gear Thrust Washer . .	79034
10	Cotter Pin	90876	51	Output Shaft Front Bearing Cup	24328	98	Side Gear "D" Washer . . .	56360
11	Differential Bearing Adjuster w/Bearing Cup (RH)	79898	52	Output Shaft Front Bearing Cone	24330	99	Input Shaft	78908
12	Differential Bearing Cup . .	19529	53	Output Shaft Side Gear . .	78911	100	Input Shaft Sliding Clutch	78917
13	Differential Bearing Cone (RH) . .	27666	54	Output Shaft Snap Ring . .	44178	101	Carrier Cover Gasket . . .	78913
14	Bolt and Nut Kit (16 each of Nos. 67586-60600) . .	70745	55	Self-locking Screw	67815	102	Carrier Cover Expansion Plugs (Upper) (Lower)	24334 30703
15	Differential Case (Flanged Half)	40288	56	Oil Pick-up Trough	67857	103	Differential Carrier Cover and Plugs	81511
16	Ring Gear and Drive Pinion (Matched Set) . .	Note 1 18198	57	Cap Screw	90033	104	Carrier Cover Cap Screw (Special Head)	81855
17	Side Gear Thrust Washer . .	Page 39 Group F	58	Cap Screw Lock	36014	105	Filter Element, Gasket and Spring	81474
18	Side Gear (Note 4)(RH) . .	18199	59	Pinion Pilot Bearing Sleeve	78907	106	Filter Cover "O" Ring . . .	81476
19	Side Pinion Thrust Washer . .	18199	60	Oil Strainer Screw	81479	107	Filter Cover	81475
20	Side Pinion (Note 4)	73341	61	Differential Carrier Oil Strainer	81478	108	Lockwasher	90421
21	Spider	18167	62	Expansion Plug . (Upper)	30703	109	Cap Screw	91385
22	Side Gear (Note 4)(LH) . .	Page 39 Group F	63	Expansion Plug . (Lower)	9797	110	Input Shaft Bearing	78930
23	Side Gear Thrust Washer . .	18198	64	Pinion Pilot Bearing	21639	111	Oil Seal	78857
24	Differential Case (Plain Half)	78905	65	Pinion Bearing Cone (Inner)	14218	112	Bearing Cover Shims (0.003" Thick) . . (0.005" Thick) . . (0.010" Thick) . .	78918 78919 78920
25	Lock Wire	12970	66	Pinion Bearing Spacer (Note 3)	Page 38 Group A	113	Bearing Cover and Seal . .	78859
26	Cap Screw	78941	67	Pinion Bearing Spacing Washer	78904	114	Lockwasher	90414
27	Differential Bearing Cone (LH) . .	27876	68	Pinion Bearing Cup (Inner)	14217	115	Cap Screw	9109
28	Differential Bearing Cup (LH) . .	15092	69	Pinion Bearing Cage Shims (Note 5)	Page 39 Group G	116	Input Companion Flange . .	Note 2
29	Differential Bearing Adjuster . . (LH) . .	21637	70	Pinion Bearing Cage w/Cups	78914	117	Flat Washer	79699
30	Cotter Pin	39534	71	Lockwasher	37207	118	Input Shaft Nut	39491
31	Output Shaft Nut	22839	72	Cap Screw	62158	119	Cotter Pin	39534
32	Cork Washer	30390	73	Pinion Bearing Cup (Outer)	14217	120	Cap Screw	81473
33	Output Companion Flange	Note 2	74	Pinion Bearing Cone (Outer)	14218	121	Oil Pump Assembly	81470
34	Rear Bearing Retainer Washer	78922	75	Pinion Helical Gear	78915	122	Woodruff Key	81471
35	Oil Seal	64656	76	Pinion Forward Bearing and Race (Matched Parts)	78916	123	Oil Pump to Cover "O" Ring	60817
36	Rear Bearing Snap Ring . .	78912	77	Pinion Forward Bearing Snap Ring	78937	124	Cover to Carrier Cap Screw	90069
37	Output Shaft Rear Bearing and Sleeve (Matched Parts)	78936	78	Pinion Nut	22839	125	Lockwasher	90417
38	Axle Cover Filler Plug (Magnetic)	54254	79	Cotter Pin	39534	126	Oil Pump Drive Gear . . .	82430
39	Axle Housing Cover	80277	80	Dowel Pin	7641	127	Lock Nut	63028
40	Housing Cover Gasket . . .	79557	81	Hole Cover Gasket	45526	128	Air-Operated Lockout Assembly	
41	Differential Carrier Gasket	79556	82	Hole Cover	45521	129	Lockout Shift Fork	Refer to Page 41 for Part Nos.
			83	Lockwasher	90415		Housing Gasket	
			84	Cap Screw	20807		(Not Illustrated)	
			85	Inter-Axle Differential Assembly	78938		Housing Cap Screw	
			86	Bolt	57636		(Not Illustrated)	
			87	Inter-Axle Differential Case	78906		Lockwasher	
			88	Side Pinion Thrust Washer, Side Pinions and Bushings Kit	27810 75062		(Not Illustrated)	

Note 1: Refer to "How to Order Ring Gear and Drive Pinion Sets" on page 31.

Note 2: Refer to O.E.M. Parts Catalog for Part Number.

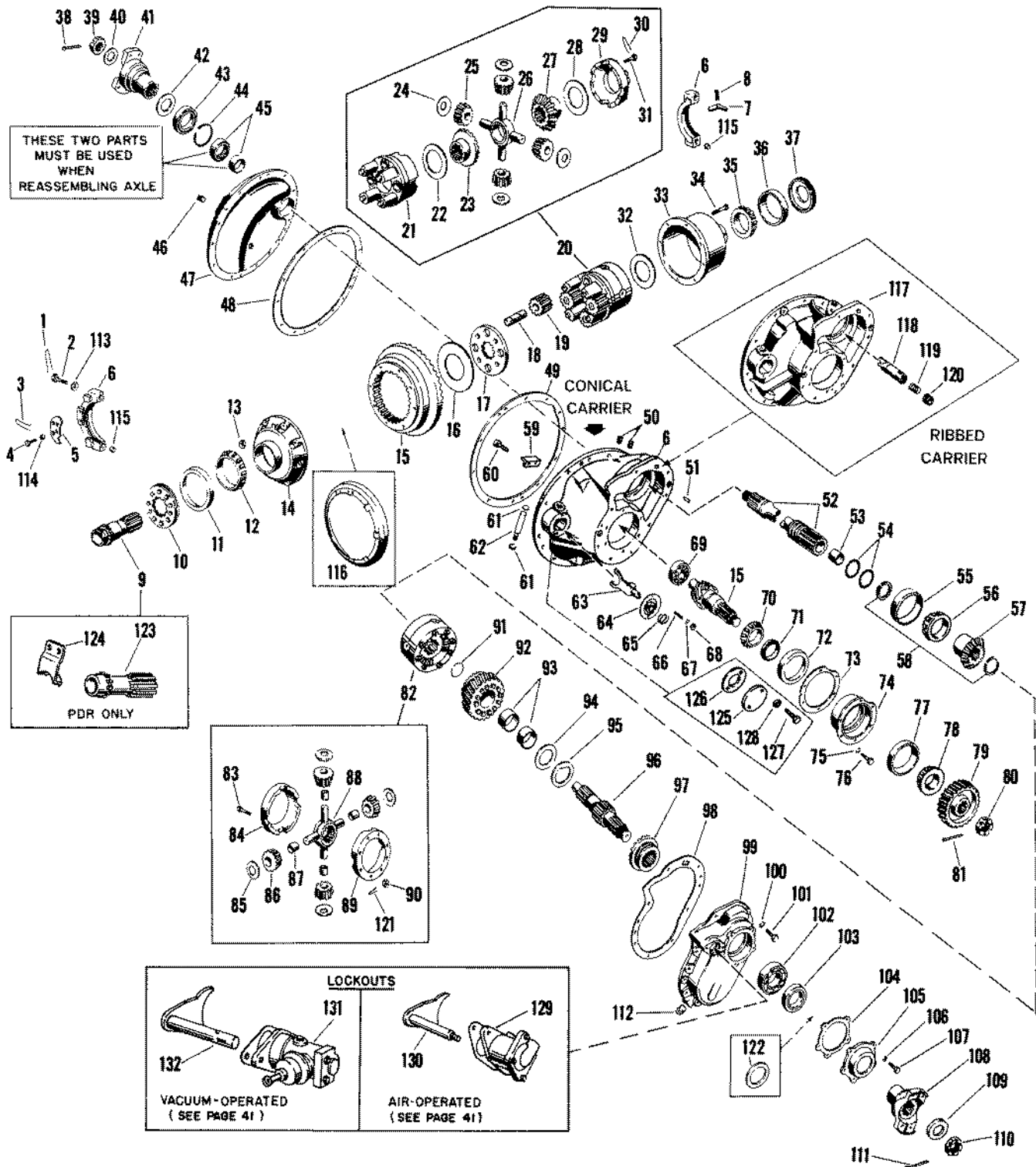
Note 3: Select Group Letter in Parts List, then refer to Pinion Bearing Spacer Table on page 38.

Note 4: Select Group Letter in Parts List, then refer to Side Gears and Side Pinions Table on page 39.

Note 5: Select Group Letter in Parts List, then refer to Pinion Bearing Cage Shim Table on page 39.



"D" series 2-speed, 3-speed and planetary double reduction tandem drive axles



RH - Right-hand LH - Left-hand

**FORWARD REAR AXLE
DIFFERENTIAL CARRIER AND POWER DIVIDER**
(For rear rear axle differential carrier,
refer to page 10)

Right and Left-Hand is determined
by standing at rear of vehicle and
facing rear of axle (as installed in
vehicle).

axle models with conical carriers

"D" series 2-speed, 3-speed and PDR tandem

SERIES NO.

AXLE MODELS

34 Includes: 34D3B, C, D, E; 34DPB, C, D, E; 34DTB, C, D, E

38 Includes: 38D3B, C, D, E; 38DPB, C, D, E; 38DTB, C, D, E

42 Includes: 42D3B, D; 42DPB, D; 42DTB, D

Item No.	DESCRIPTION	34 PART NUMBERS	38 42
1	Lock Wire	90538	90538
2	Cap Screw	32732	32732
3	Lock Wire	12563	12563
4	Cap Screw	37747	37747
5	Adjuster Lock (RH)	37745	37745
6	Differential Carrier and Bearing Caps(Matched Parts)(Conical Type)	65419	65419
7	Adjuster Lock (LH)	13377	13377
8	Cotter Pin	90873	90873
9	Sliding Clutch Gear	56933	56933
10	Bearing Adjuster (RH)	56932	56932
11	Differential Bearing Cup . . . (RH)	27816	27816
12	Differential Bearing Cone . . . (RH)	27817	27817
13	Lock Nut	60599	60599
14	Gear Support Case (RH Half)	27838	27838
15	Ring Gear and Drive Pinion (Matched Set)	Note 1	Note 1
16	Support Case Thrust Washer . . (RH)	43270	43270
17	High Speed Clutch Plate	56931	56931
18	Idler Pinion Pins	27861	27861
19	Idler Pinions	27835	27835
20	Differential Assembly	Includes Items 21 thru 31	
21	Differential Case and Clutch Plate Pins Assembly (RH Half)	27843	27843
22	Side Gear Thrust Washer (RH)	27827	27827
23	Side Gear (RH)	Page 39 Group M	Page 39 Group N
24	Side Pinion Thrust Washer	27810	27810
25	Side Pinion	REFER TO ITEM 23	REFER TO ITEM 23
26	Spider	38289	38289
27	Side Gear (LH)	REFER TO ITEM 23	REFER TO ITEM 23
28	Side Gear Thrust Washer (LH)	27827	27827
29	Differential Case (LH Half)	27812	27812
30	Lock Wire	12970	12970
31	Cap Screw	12467	12467
32	Support Case Thrust Washer . . (LH)	27827	27827
33	Gear Support Case (LH Half)	27839	27839
34	Bolt	44358	44358
35	Differential Bearing Cone . . . (LH)	27813	27813
36	Differential Bearing Cup . . . (LH)	9803	9803
37	Differential Bearing Adjuster . . (LH)	27842	27842
38	Cotter Pin	90299	90299
39	Output Shaft Nut	4328	4328
40	Flat Washer	4327	4327
41	Output Companion Flange	Note 2	Note 2
42	Rear Bearing Retainer Washer . . .	46583	46583
43	Oil Seal	63910	63910
44	Rear Bearing Snap Ring	45516	45516
45	Output Shaft Rear Bearing and Sleeve (Matching Parts)	46584	46584
46	Axle Cover Filler Plug (Magnetic) .	54254	54254
47	Axle Housing Cover	75335	Note 7
48	Cover Gasket	45520	45520
49	Carrier Gasket	72040	72040
50	Carrier Oil Passage Plug	---	---
	Carrier Filler Plug	90325	90325
51	Dowel Pins	7641	7641
52	Output Shaft and Bushing	45469	45469
53	Output Shaft Bushing	48922	48922
54	Output Shaft "O" Rings	46526	46526
55	Output Shaft Front Bearing Cup . .	51232	51232
56	Output Shaft Front Bearing Cone . .	51233	51233

Item No.	DESCRIPTION	34 PART NUMBERS	38 42
57	Output Shaft Side Gear	45466	45466
58	Output Shaft Snap Rings	44178	44178
59	Oil Pickup Trough	67827	67827
60	Self-locking Screw	67815	67815
61	Expansion Plug (Lower)	9797	9797
	Expansion Plug (Upper)	30703	30703
62	Shift Fork Shaft (2-Speed)	41103	41103
63	Shift Fork Assembly (2-Speed)	62720	62720
64	Shift Fork Seal and Spring	64085	64085
65	Seal Spring	35585	35585
66	Stud	78400	78400
67	Flat Washer	78401	78401
68	Stud Nut	63028	63028
69	Pinion Pilot Bearing	15828	15828
70	Pinion Bearing Cone (Inner)	45460	45460
71	Pinion Bearing Spacer (Note 3)	Page 38 Group F	Page 38 Group F
72	Pinion Bearing Cup (Inner)	14217	14217
73	Pinion Bearing Cage Shims (Note 5)	Page 39 Group G	Page 39 Group G
74	Pinion Bearing Cage w/Cups	Note 8	Note 8
75	Lockwasher	28571	28571
76	Cap Screw	62158	62158
77	Pinion Bearing Cup (Outer)	14217	14217
78	Pinion Bearing Cone (Outer)	45460	45460
79	Pinion Helical Gear	Note 9	Note 9
80	Pinion Nut	7865	7865
81	Cotter Pin	90872	90872
82	Inter-Axle Differential Assembly . . .	45473	45473
83	Bolt	64930	64930
84	Inter-Axle Differential Case (Female Half)	45471	45471
85	Side Pinion Thrust Washer	25968	25968
86	Side Pinion and Bushing	51348	51348
87	Side Pinion Bushing	50718	50718
88	Spider	45472	45472
89	Inter-Axle Differential Case (Male Half)	45470	45470
90	Lock Nut	63028	63028
91	Input Shaft Snap Ring	46983	46983
92	Helical and Differential Side Gear and Bushings	45476	45476
93	Helical and Differential Side Gear Bushings	48921	48921
94	Helical and Differential Side Gear Thrust Washer	45477	45477
95	Helical and Differential Side Gear "D" Washer	45478	45478
96	Input Shaft	45479	45479
97	Input Shaft Sliding Clutch	45480	45480
98	Differential Carrier Cover Gasket . .	74271	74271
99	Differential Carrier Cover	45481	45481
100	Lockwasher	90417	90417
101	Cap Screw (Short)	90069	90069
	Cap Screw (Long)	12063	12063
102	Input Shaft Bearing	38593	38593
103	Oil Seal	63910	63910
104	Bearing Cover Shims (0.003" thick)	45498	45498
	(0.005" thick)	70709	70709
	(0.010" thick)	45499	45499
105	Bearing Cover and Seal	45484	45484
106	Lockwasher	90414	90414
107	Cap Screw	90059	90059
108	Input Companion Flange	Note 2	Note 2
109	Flat Washer	56864	56864

AXLE MODELS WITH CONICAL CARRIERS (CONT'D)

SERIES NO.

AXLE MODELS

34 Includes: 34D3B, C, D, E; 34DPB, C, D, E; 34DTB, C, D, E

38 Includes: 38D3B, C, D, E; 38DPB, C, D, E; 38DTB, C, D, E

42 Includes: 42D3B, D; 42DPB, D; 42DTB, D

Item No.	DESCRIPTION	34 PART NUMBERS	38 42
110	Input Shaft Nut	7865	7865
111	Cotter Pin	90872	90872
112	Carrier Drain Plug	90898	90898
	Housing Drain Plug (Magnetic)	24666	24666
113	Bearing Cap Screw Flat Washer	32912	32912
114	Adjuster Lock Dowel Bushing	37746	37746
115	Bearing Cap Dowel Bushing	32730	32730
116	Oil Collector Drum	---	---
117 thru 122	Used on Ribbed Axles Only		
123	Sun Gear (Used on PDR Axles Only)	60614	60614

Item No.	DESCRIPTION	34 PART NUMBERS	38 42
124	Sun Gear Retainer (PDR Axles Only)	43178	43178
125	Shift Fork Opening Cover (PDR Axles Only)	45521	45521
126	Cover Gasket (PDR Axles Only)	45526	45526
127	Cap Screw (PDR Axles Only)	20807	20807
128	Lockwasher (PDR Axles Only)	90415	90415
129	Air-Operated Lockout Assembly	Refer to page 41 for Vacuum and Air-Operated Lock- out Part Numbers.	
130	Shift Fork and Push Rod Assembly (Air Operated)		
131	Vacuum-Operated Lockout Assembly		
132	Shift Fork and Push Rod Assembly (Vacuum-Operated)		
	gasket sets	61952	61952

axle models with ribbed carriers

Item No.	DESCRIPTION	AXLE MODELS 30D3 34D3 38D3 30DP 34DP 38DP 30DT 34DT 42D3 42DP 42DT	PART NUMBERS
1	Lock Wire	90533	12563 12563
2	Cap Screw	14970	32732 32732
3	Lock Wire	90533	12563 12563
4	Cap Screw	9820	37747 37747
5	Adjuster Lock (RH)	14949	37745 37745
6	Refer to Item 117		
7	Adjuster Lock (LH)	13377	13377 13377
8	Cotter Pin	90873	90873 90873
9	Sliding Clutch Gear (Note 6) Early Style (2-Speed Only) 35° Angle (2-Speed Only)	27878 ---	27834 27834 56933 56933
10	Bearing Adjuster (Note 6) (RH) Early Style 35° Angle	23077 ---	27832 27832 56932 56932
11	Differential Bearing Cup . (RH)	15092	27816 27816
12	Differential Bearing Cone (RH)	27876	27817 27817
13	Lock Nut	60598	60599 60599
14	Gear Support Case . (RH Half)	27859	27838 27838
15	Ring Gear and Drive Pinion (Matched Set)	Note 1	Note 1 Note 1
16	Support Case Thrust Washer (RH)	43269	43270 43270
17	High Speed Clutch Plate Early Style 35° Angle (Note 6)	27866 ---	27837 27837 56931 56931
18	Idler Pinion Pins	14935	27861 27861
19	Idler Pinions	27875	27835 27835
20	Differential Assembly	Includes Items 21 thru 31	
21	Differential Case and Clutch Plate Pins Assembly . (RH Half)	27880	27843 27843
22	Side Gear Thrust Washer . (RH)	18346	27827 27827
23	Side Gear (RH) (Note 4)	Page 39 Group L	Page 39 Group M Group N
24	Side Pinion Thrust Washer	64467	27810 27810
25	Side Pinion	REFER TO ITEM 23	
26	Spider	25971	38289 38289
27	Side Gear (LH)	REFER TO ITEM 23	
28	Side Gear Thrust Washer . (LH)	18346	27827 27827
29	Differential Case . . (LH Half)	25967	27812 27812
30	Lock Wire	23130	12970 12970
31	Cap Screw	15050	12467 12467

Item No.	DESCRIPTION	AXLE MODELS 30D3 34D3 38D3 30DP 34DP 38DP 30DT 34DT 42D3 42DP 42DT	PART NUMBERS
32	Support Case Thrust Washer (LH)	18346	27827 27827
33	Gear Support Case . (LH Half)	27860	27839 27839
34	Bolt	44356	44358 44358
35	Differential Bearing Cone (LH)	15094	27813 27813
36	Differential Bearing Cup . (LH)	9803	9803 9803
37	Differential Bearing Adjuster (LH)	14950	27842 27842
38	Cotter Pin	90299	90299 90299
39	Output Shaft Nut	4328	4328 4328
40	Flat Washer	4327	4327 4327
41	Output Companion Flange	Note 2	Note 2 Note 2
42	Rear Bearing Retainer Washer	46583	46583 46583
43	Oil Seal	63910	63910 63910
44	Rear Bearing Snap Ring	45516	45516 45516
45	Output Shaft Rear Bearing and Sleeve (Matched Parts)	46584	46584 46584
46	Axle Cover Filler Plug (Magnetic)	54254	54254 54254
47	Axle Housing Cover	46646	75335 Note 7
48	Cover Gasket	46747	45520 45520
49	Carrier Gasket	50364	72040 72040
50	Carrier Oil Passage Plug	90325	90325 90325
	Carrier Filler Plug	90325	90325 90325
51	Dowel Pins	7641	7641 7641
52	Output Shaft and Bushing	46767	45469 45469
53	Output Shaft Bushing	48922	48922 48922
54	Output Shaft "O" Rings	46526	46526 46526
55	Output Shaft Front Bearing Cup	51232	51232 51232
56	Output Shaft Front Bearing Cone	51233	51233 51233
57	Output Shaft Side Gear	45466	45466 45466
58	Output Shaft Snap Rings	44178	44178 44178
59	Oil Pickup Trough	---	---
60	Cap Screw	---	---
61	Expansion Plug (Lower)	9797	9797 9797
	Expansion Plug (Upper)	9797	30703 30703
62	Shift Fork Shaft (2-Speed)	47399	41103 41103
63	Shift Fork Assembly (2-Speed)	32425	62720 62720
64	Shift Fork Seal and Spring	64085	64085 64085
65	Seal Spring	35585	35585 35585

AXLE MODELS WITH RIBBED CARRIERS (CONT'D)

Item No.	DESCRIPTION	AXLE MODELS		
		30D3 30DP 30DT	34D3 34DP 34DT	38D3 38DP 38DT 42D3 42DP 42DT
		PART NUMBERS		
66	Stud	78400	78400	78400
67	Flat Washer	78401	78401	78401
68	Stud Nut	63028	63028	63028
69	Pinion Pilot Bearing	15828	15828	15828
70	Pinion Bearing Cone (Inner).	12496	45460	45460
71	Pinion Bearing Spacer (Note 3)	Page 38 Group F	Page 38 Group F	Page 38 Group F
72	Pinion Bearing Cup (Inner) .	12495	14217	14217
73	Pinion Bearing Cage Shims . (Note 5)	Page 39 Group H	Page 39 Group G	Page 39 Group G
74	Pinion Bearing Cage w/Cups	46759	45459	45459
75	Lockwasher	28571	28571	28571
76	Cap Screw	62158	62158	62158
77	Pinion Bearing Cup (Outer).	12495	14217	14217
78	Pinion Bearing Cone (Outer)	12496	45460	45460
79	Pinion Helical Gear.	46763	46977	46977
80	Pinion Nut.	7865	7865	7865
81	Cotter Pin	90872	90872	90872
82	Inter-Axle Differential Assembly	45473	45473	45473
83	Bolt.	64930	64930	64930
84	Inter-Axle Differential Case (Female Half)	45471	45471	45471
85	Side Pinion Thrust Washer .	25968	25968	25968
86	Side Pinion and Bushing . .	51348	51348	51348
87	Side Pinion Bushing	50718	50718	50718
88	Spider.	45472	45472	45472
89	Inter-Axle Differential Case (Male Half).	45470	45470	45470
90	Lock Nut	63028	63028	63028
91	Input Shaft Snap Ring . . .	46983	46983	46983
92	Helical and Differential Side Gear and Bushings	46766	45476	45476
93	Helical and Differential Side Gear Bushings.	48921	48921	48921
94	Helical and Differential Side Gear Thrust Washer	45477	45477	45477
95	Helical and Differential Side Gear "D" Washer	45478	45478	45478
96	Input Shaft.	45479	45479	45479
97	Input Shaft Sliding Clutch .	45480	45480	45480
98	Differential Carrier Cover Gasket.	74271	74271	74271
99	Differential Carrier Cover .	45481	45481	45481
100	Lockwasher	90417	90417	90417
101	Cap Screw (Short).	90069	90069	90069
	Cap Screw (Long).	12063	12063	12063
102	Input Shaft Bearing	38593	38593	38593
103	Oil Seal.	63910	63910	63910
	gasket sets	61949	61952	61952

- Note 1: Refer to "How to Order Ring Gear and Drive Pinion Sets" on page 31.
- Note 2: Refer to O.E.M. Parts Catalog for Part Number.
- Note 3: Select Group Letter in Parts List, then refer to Pinion Bearing Spacer Table on page 38.
- Note 4: Select Group Letter in Parts List, then refer to Side Gears and Side Pinions Table on page 39.
- Note 5: Select Group Letter on Parts List, then refer to Pinion Bearing Cage Shim Table on page 39.
- Note 6: 35° Angle Clutch Parts Kit (Part No. 60608) is available for 34DT, 3; 38DT, 3; 42DT, 3 Series. The Kit includes Gear (9), Adjuster (10) and Plate (17).
- Note 7: Use Part Number 75335 for 34D and 38D Series. Use Part Number 75337 for 42D Series.

Item No.	DESCRIPTION	AXLE MODELS		
		30D3 30DP 30DT	34D3 34DP 34DT	38D3 38DP 38DT 42D3 42DP 42DT
		PART NUMBERS		
104	Bearing Cover Shims (0.003" thick) (0.005" thick) (0.010" thick)	45498 70709 45499	45498 70709 45499	45498 70709 45499
105	Bearing Cover and Seal	45484	45484	45484
106	Lockwasher	90414	90414	90414
107	Cap Screw	90059	90059	90059
108	Input Companion Flange	Note 2	Note 2	Note 2
109	Flat Washer	56864	56864	56864
110	Input Shaft Nut	7865	7865	7865
111	Cotter Pin.	90872	90872	90872
112	Carrier Drain Plug Axle Housing Drain Plug (Magnetic).	90898 24666	90898 24666	90898 24666
113	Bearing Cap Screw Flat Washer	---	32912	32912
114	Adjuster Lock Dowel Bushing	---	37746	37746
115	Bearing Cap Dowel Bushing	---	32730	32730
116	Oil Collector Drum (Ratios 3.70) (Ratios 4.11, 4.33, 4.56) (Ratios 4.87, 5.57, 6.14, 6.5, 7.16) (Ratios 6.43, 6.78, 7.75) (Ratios 8.55, 9.04, 9.97)	--- --- --- 47473 27865	54252 47353 27826 --- ---	54252 47353 27826 --- ---
117	Differential Carrier and Bearing Caps (Matched Parts) (Ribbed Type)	46750	65419	65419
118	Oil Distributor (Ratios 3.70) (Ratios 4.11, 4.33, 4.56) (Ratios 4.87, 5.57, 6.14, 6.5, 7.16) (Ratios 6.43, 6.78, 7.75) (Ratios 8.55, 9.04, 9.97)	--- --- --- 46752 33594	46752 65304 33594 --- ---	46752 65304 33594 --- ---
119	Spring	15277	15277	15277
120	Pipe Plug	90321	90321	90321
121	Lock Wire	---	---	---
122	Felt Seal	---	---	---
123	Sun Gear (Note 10) (PDR) Early Style. 35° Angle	45324 --- ---	43166 60614 43178	43166 60614 43178
124	Sun Gear Retainer(PDR)	45325		
125	Shift Fork Opening Cover (PDR)	45521	45521	45521
126	Cover Gasket (PDR).	45526	45526	45526
127	Cap Screw (PDR)	20807	20807	20807
128	Lockwasher (PDR).	90415	90415	90415
129	Air-Operated Lockout Assembly			
130	Shift Fork and Push Rod Assembly (Air-Operated)			
131	Vacuum-Operated Lockout Assembly			
132	Shift Fork and Push Rod Assembly (Vacuum-Operated)			

Refer to page 41 for
Vacuum and Air-Operated
Lockout Part Numbers.

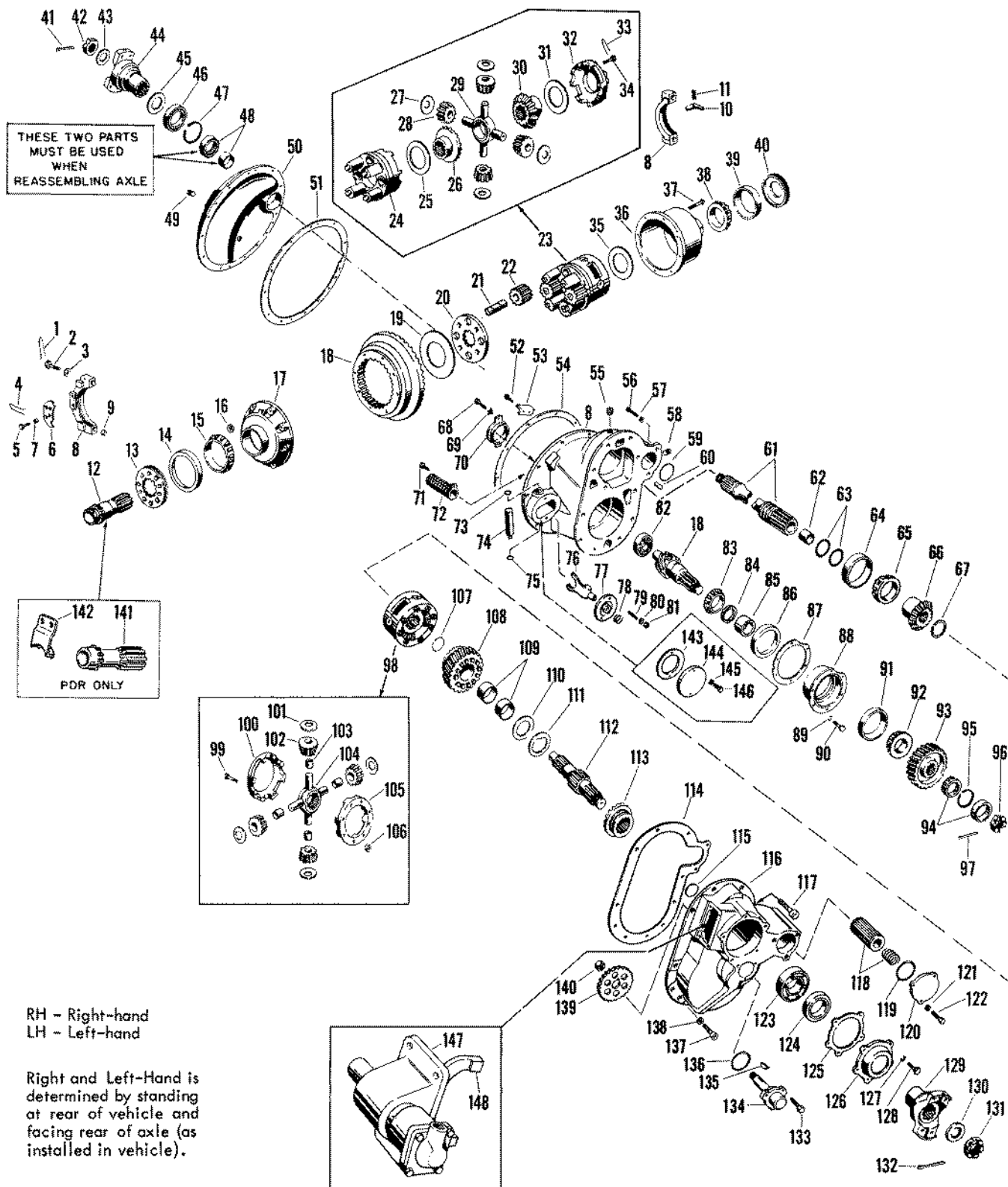
Refer to page 41 for Vacuum and Air-Operated Lockout Part Numbers.

- Note 8: Use Part Number 45459 for Models 34D3B, C; 34DPB, C; 34DTB, C; 38D3B, C; 38DPB, C; 38DTB, C; 42D3B; 42DPB; 42DTB.
- Note 9: Use Part Number 74973 for Models 34D3D, E; 34DPD, E; 34DTD, E; 38D3D, E; 38DPD, E; 38DTD, E; 42D3D; 42DPD; 42DTD.
- Note 10: Use Part Number 46977 for Models 34D3B, C; 34DPB, C; 34DTB, C; 38D3B, C; 38DPB, C; 38DTB, C; 42D3B; 42DPB; 42DTB.
- Note 11: Use Part Number 74991 for Models 34D3D, E; 34DPD, E; 34DTD, E; 38D3D, E; 38DPD, E; 38DTD, E; 42D3D; 42DPD; 42DTD.
- Note 12: 35° Angle Clutch Parts Kit (Part No. 62040) is available for 34DP, 38DP and 42DP Series. The Kit includes Gear (123), Washer (16), Adjuster (10) and Clutch Plate (17).



44DT, DP 2-speed and planetary double reduction tandem drive axles

**FORWARD REAR AXLE
DIFFERENTIAL CARRIER AND POWER DIVIDER**
(For rear rear axle differential carrier,
refer to page 10)



44DT, DP 2-SPEED AND PDR TANDEMS

Item No.	DESCRIPTION	Part No.	Item No.	DESCRIPTION	Part No.	Item No.	DESCRIPTION	Part No.
1	Lock Wire	12563	48	Output Shaft Rear Bearing and Sleeve (Matched Parts)	78936	102	Side Pinion	78903
2	Cap Screw	32732	49	Axle Cover Filler Plug (Magnetic)	54254	103	Side Pinion Bushing	78901
3	Flat Washer	32912	50	Axle Housing Cover	80277	104	Differential Spider	78910
4	Lock Wire	12563	51	Housing Cover Gasket	79557	105	Inter-Axle Differential Case	78906
5	Cap Screw	37747	52	Self-locking Screw	67815	106	Lock Nut	57637
6	Adjuster Lock (RH).	78926	53	Oil Pick-up Trough	67827	107	Input Shaft Snap Ring	78909
7	Adjuster Lock Dowel Bushing	37746	54	Differential Carrier Gasket	79556	108	Helical and Differential Side Gear and Bushings	78863
8	Differential Carrier and Bearing Caps (Matched Parts)	78998	55	Carrier Filler Plug	90325	109	Side Gear Bushings	75063
9	Dowel Bushing	32730	56	Cap Screw (Carrier to Cover)	62158	110	Side Gear Thrust Washer	79034
10	Adjuster Lock (LH).	14275	57	Lockwasher	90417	111	Side Gear "D" Washer	56360
11	Cotter Pin (LH).	90876	58	Carrier Oil Pressure Plug	28325	112	Input Shaft	78908
12	Sliding Clutch Gear	56930	59	Carrier to Cover "O" Ring	81477	113	Input Shaft Sliding Clutch	78917
13	Differential Bearing Adjuster (RH).	56929	60	Dowel Pin	7641	114	Differential Carrier Cover Gasket	78913
14	Differential Bearing Cup (RH).	21632	61	Output Shaft and Bushing	78865	115	Carrier Cover Expansion Plugs (Upper)	24334
15	Differential Bearing Cone (RH).	21633	62	Bushing	48922	116	Differential Carrier Cover w/Plugs	81511
16	Gear Bolt Lock Nut	60599	63	Output Shaft "O" Rings	78931	117	Carrier Cover Cap Screw (Special Head)	81855
17	Gear Support Case . . . (RH).	27950	64	Output Shaft Front Bearing Cup	24328	118	Filter Element, Gasket and Spring	81474
18	Ring Gear and Drive Pinion (Matched Set)	Note 1	65	Output Shaft Front Bearing Cone	24330	119	Filter Cover "O" Ring	81476
19	Support Case Thrust Washer (RH)	43271	66	Output Shaft Side Gear	78911	120	Filter Cover	81475
20	High Speed Clutch Plate	56928	67	Output Shaft Snap Ring	44178	121	Lockwasher	90421
21	Idler Pinion Pins	27953	68	Cap Screw	90033	122	Cap Screw	91385
22	Idler Pinion	27952	69	Cap Screw Lock	36014	123	Input Shaft Bearing	78930
23	Differential Assembly	Includes Items 24 thru 34	70	Pinion Pilot Bearing Sleeve	78907	124	Oil Seal	78857
24	Differential Case and Clutch Plate Pins Assembly (RH)	28042	71	Oil Strainer Screw	81479	125	Bearing Cover Shims (0.003" thick)	78918
25	Side Gear Thrust Washer (RH)	18198	72	Differential Carrier Oil Strainer	81478		(0.005" thick)	78919
26	Side Gear (Note 4)	Page 39 Group F	73	Expansion Plug (Upper)	30703	126	Bearing Cover and Seal	78859
27	Side Pinion Thrust Washer	18199	74	Shift Fork Shaft	41103	127	Lockwasher	90414
28	Side Pinion	73341	75	Expansion Plug (Lower)	9797	128	Cap Screw	9109
29	Differential Spider	18167	76	Shift Fork Assembly	32679	129	Input Companion Flange	Note 2
30	Side Gear (Note 4)	Page 39 Group F	77	Shift Fork Seal and Spring	64085	130	Flat Washer	79699
31	Side Gear Thrust Washer (LH)	18198	78	Seal Spring	35585	131	Input Shaft Nut	39491
32	Differential Case . . . (LH).	21609	79	Shift Housing Stud	78400	132	Cotter Pin	39534
33	Lock Wire	12970	80	Flat Washer	78401	133	Cap Screw	81473
34	Cap Screw (Long)	21610	81	Nut, Self-Locking	63028	134	Oil Pump Assembly	81470
35	Support Case Thrust Washer (Short)	21611	82	Pinion Pilot Bearing	21639	135	Woodruff Key	81471
			83	Pinion Bearing Cone	14218	136	Oil Pump to Cover "O" Ring	60817
36	Gear Support Case . . (LH).	21619	84	Pinion Bearing Spacer (Note 3)	Page 38 Group A	137	Cap Screw	90069
37	Gear to Case Bolt	44358	85	Pinion Bearing Spacing Washer	78904	138	Lockwasher	90417
38	Differential Bearing Cone (LH)	21635	86	Pinion Bearing Cup (Inner)	14217	139	Oil Pump Drive Gear	82430
39	Differential Bearing Cup (LH)	15092	87	Pinion Bearing Cage Shims (Note 5)	Page 39 Group G	140	Lock Nut	63028
40	Differential Bearing Adjuster (LH).	21637	88	Pinion Bearing Cage and Cups	78914	141	Sun Gear (PDR only)	61057
41	Cotter Pin	39534	89	Lockwasher	37207	142	Sun Gear Retainer (PDR only)	43178
42	Output Shaft Nut	22839	90	Cap Screw	62158	143	Hole Cover Gasket (PDR only)	45526
43	Cork Washer	30390	91	Pinion Bearing Cup (Outer)	14217	144	Hole Cover (PDR only)	45521
44	Output Companion Flange	Note 2	92	Pinion Bearing Cone (Outer)	14218	145	Lockwasher (PDR only)	90415
45	Rear Bearing Retainer Washer	78922	93	Pinion Helical Gear	78915	146	Cap Screw (PDR only)	20807
46	Oil Seal	64656	94	Pinion Forward Bearing and Race (Matched Parts)	78916	147	Air-Operated Lockout Assembly	Refer to Page 41 for Part Nos.
47	Rear Bearing Snap Ring	78912	95	Pinion Forward Bearing Snap Ring	78937	148	Lockout Shift Fork	
			96	Pinion Nut	22839		Housing Gasket (Not Illustrated)	
			97	Cotter Pin	39534		Housing Cap Screw (Not Illustrated)	
			98	Inter-Axle Differential Assembly	78938		Lockwasher (Not Illustrated)	
			99	Bolt	57636			
			100	Inter-Axle Differential Case	78906			
			101	Side Pinion Thrust Washer	27810			
				Side Pinions and Bushings Kit	75062			

Note 1: Refer to "How to Order Ring Gear and Drive Pinion Sets" on page 31.

Note 2: Refer to O.E.M. Parts Catalog for Part Number.

Note 3: Select Group Letter in Parts List, then refer to Pinion Bearing Spacer Table on page 38.

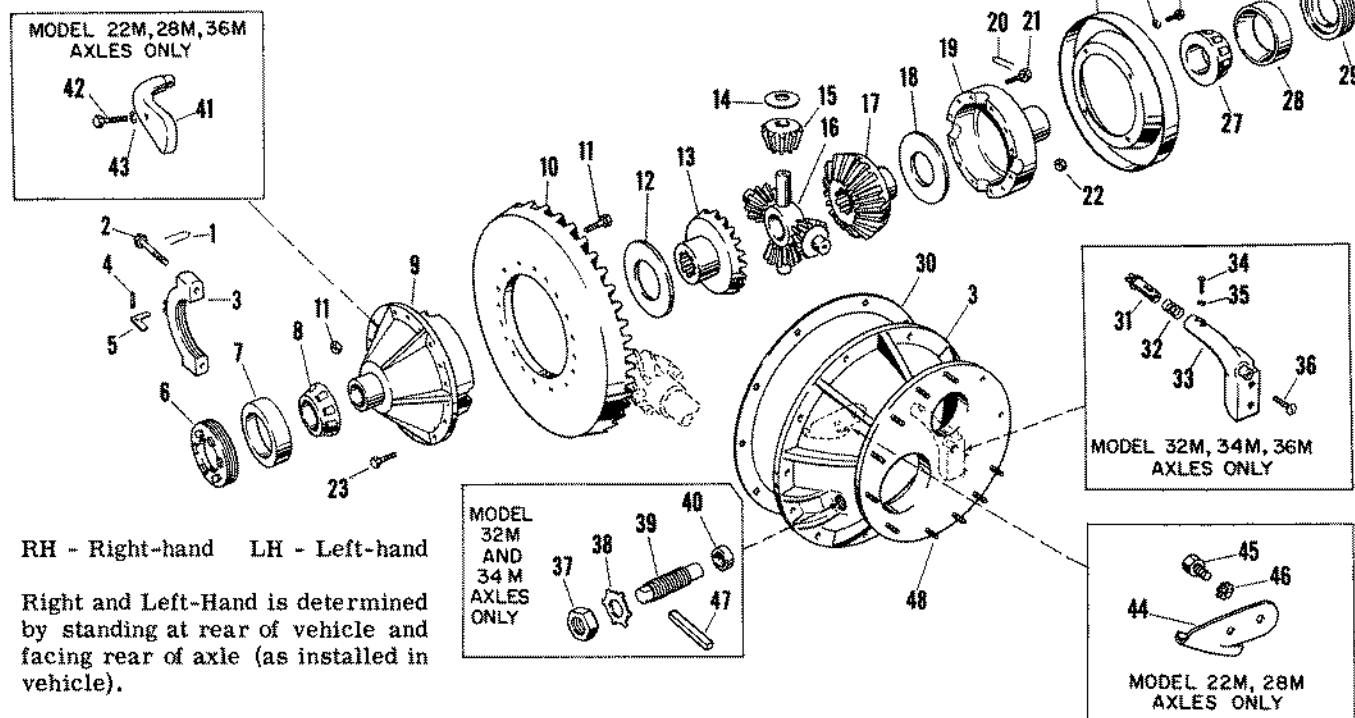
Note 4: Select Group Letter in Parts List, then refer to Side Gears and Side Pinions Table on page 39.

Note 5: Select Group Letter in Parts List, then refer to Pinion Bearing Cage Shim Table on page 39.



32MF and 34MF tandem drive axles

32MF and 34MF DIFFERENTIAL CARRIERS (For 32MR and 34MR Differential Carriers, refer to Single Reduction Axle Section)



RH - Right-hand LH - Left-hand

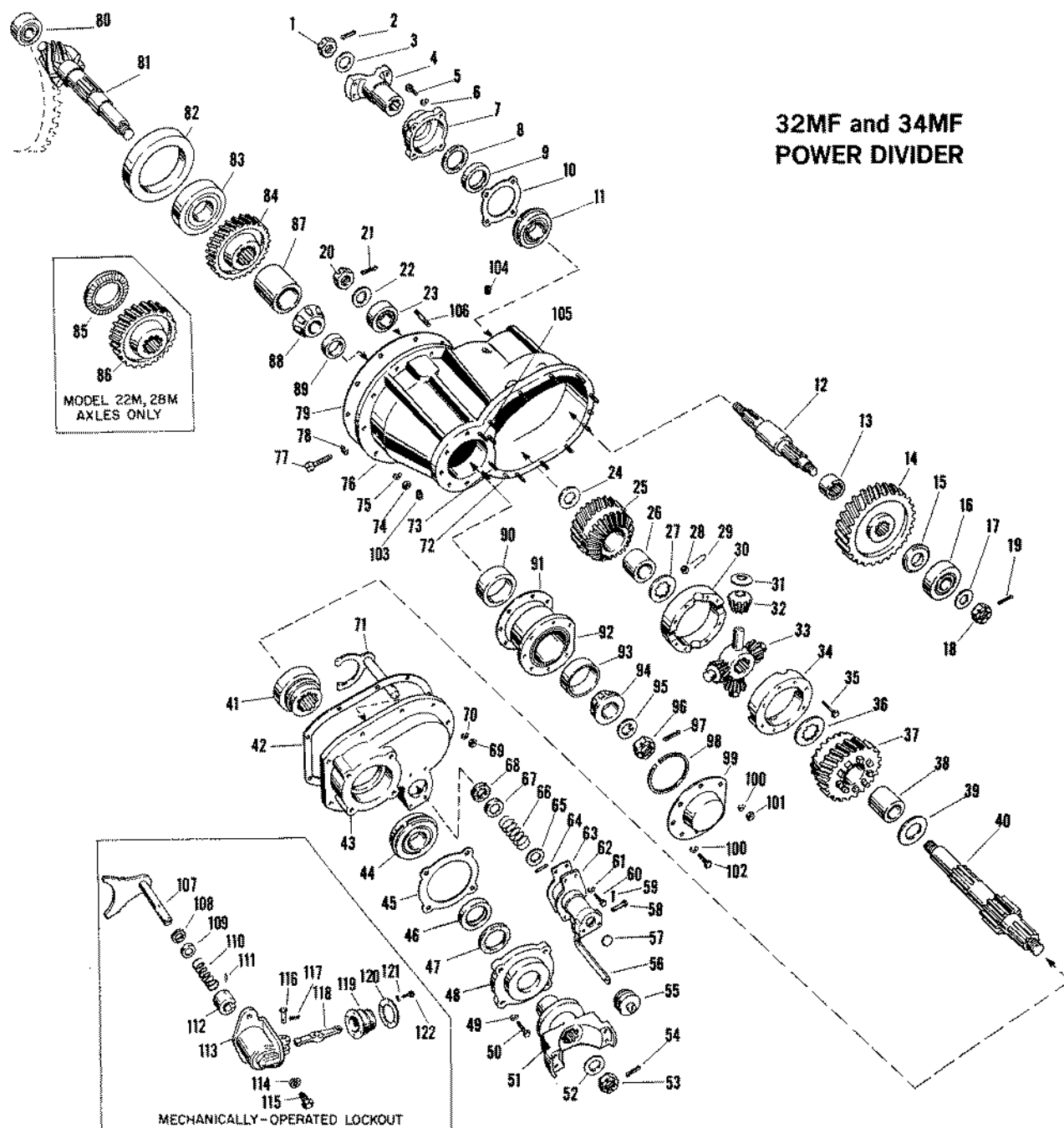
Right and Left-Hand is determined by standing at rear of vehicle and facing rear of axle (as installed in vehicle).

Item No.	DESCRIPTION	PART NO.
1	Lock Wire	12563
2	Cap Screws	14233
3	Differential Carrier and Bearing Caps (Matched Parts)	64693
4	Cotter Pin (LH)	90873
		(RH) 90876
5	Adjuster Lock (LH)	90186
		(RH) 14275
6	Differential Bearing Adjuster . . . (RH)	31562
7	Differential Bearing Cup (RH)	90943
8	Differential Bearing Cone (RH)	6082
9	Differential Case (Flanged Half). . . .	43570
10	Ring Gear and Drive Pinion (Matched Set).	Note 1
11	Ring Gear Bolt and Nut	4084
12	Side Gear Thrust Washer (RH)	27827
13	Side Gear (RH)	37072
14	Side Pinion Thrust Washer	27810
15	Side Pinion	37071
16	Spider.	38289
17	Side Gear (LH)	37072
18	Side Gear Thrust Washer (LH)	27827
19	Differential Case (Plain Half).	44436
20	Lock Wire	4433
21	Cap Screw (Long).	4575
	Cap Screw (Short).	12466
	Cap Screw (Special) (Tapped Head) . . .	38443
22	Locknut	Note 2
23	Bolt	Note 2

Item No.	DESCRIPTION	PART NO.
24	Oil Collector Drum	44251
25	Lock Washer	90413
26	Oil Collector Drum Cap Screw	39419
27	Differential Bearing Cone. . . . (LH)	15980
28	Differential Bearing Cup (LH)	24328
29	Differential Bearing Adjuster. . . (LH)	3990
30	Carrier Gasket	72040
31	Differential Carrier Oil Feeder	39536
32	Compression Spring	30994
33	Oil Feeder Bracket	38446
34	Locating Screw	29088
35	Lock Washer	25885
36	Machine Screw	33838
37	Nut	10908
38	Lock.	90179
39	Adjusting Screw	29461
40	Ring Gear Thrust Block	10906
41 thru 46	Not Used on 32MF or 34MF	
47	Adjusting Screw Strip Sealer	57373
48	Power Divider Stud	30816

Note 1: Refer to page 30 for Ring Gear and Drive Pinion Sets.

Note 2: Use Bolt and Locknut Kit 67838.



32MF and 34MF POWER DIVIDER

Item No.	DESCRIPTION	PART NO.
1	Flange Nut (Standard)	36852
	Flange Nut (Special)	Note 2
2	Cotter Pin	90299
3	Flat Washer	14354
4	Output Companion Flange	Note 2
5	Cap Screw (Standard)	91175
	Cap Screw (Special)	Note 2
6	Lock Washer	90414
7	Output Shaft Bearing Cover and Seal (Rear)	34720
8	Felt Seal	34717
9	Oil Seal	34718
10	Bearing Cover Gasket	34723
11	Output Shaft Bearing (Rear)	34716

Item No.	DESCRIPTION	PART NO.
12	Output Shaft	38464
13	Helical Gear Spacer	33476
14	Output Shaft Helical Gear	38438
15	Front Bearing Spacer Washer	38465
16	Output Shaft Bearing (Front)	32614
17	"D" Washer	38463
18	Output Shaft Nut (Front)(Standard)	19205
	Output Shaft Nut (Front)(Special)	Note 2
19	Cotter Pin	90299
20	Input Shaft Nut (Inner)(Standard)	19205
	Input Shaft Nut (Inner)(Special)	Note 2
21	Cotter Pin	90299
22	"D" Washer	38463
23	Input Shaft Bearing (Rear)	32614

32MF and 34MF POWER DIVIDER (cont'd)

Item No.	DESCRIPTION	Part No.	Item No.	DESCRIPTION	Part No.	Item No.	DESCRIPTION	Part No.
24	Rear Bearing Spacer Washer	38461	52	Flat Washer	14354	88	Pinion Bearing Cone (Inner) .	33699
25	Helical and Differential Side Gear (Rear)	38457	53	Flange Nut (Standard) . . .	36852	89	Pinion Bearing Spacer . . .	Note 3 Group E
26	Helical and Differential Side Gear Bushing (Rear, Short)	38459	54	Cotter Pin	90299	90	Pinion Bearing Cup (Inner) .	12495
27	Differential Spider Splined Washer (Rear)	38462	55	Shift Lever Boot	39354	91	Shims (0.003")	30904
28	Nut	63028	56	Shift Lever	37881		(0.010")	30905
29	Lock Wire	---	57	Expansion Plug	7977		(0.030")	30906
30	Inter-Axle Differential Case (Male Half, Rear)	38449	58	Clevis Pin	11230	92	Pinion Bearing Cage . . .	30972
31	Side Pinion Thrust Washer .	38451	59	Cotter Pin	8909	93	Pinion Bearing Cup (Outer) .	12495
32	Side Pinion	38450	60	Cap Screw	90031	94	Pinion Bearing Cone (Outer)	33699
33	Spider	38452	61	Lockwasher	90415	95	Tongued Washer	36474
34	Inter-Axle Differential Case (Female Half, Front)	38448	62	Shift Lever Bracket	37882	96	Pinion Nut	22839
35	Bolt	64930	63	Shift Lever Bracket Gasket .	34763	97	Cotter Pin	37709
36	Differential Spider Splined Washer (Front)	38462	64	Retainer Washer Pin	33488	98	Cork Seal	30943
37	Helical and Differential Side Gear (Front)	38456	65	Retainer Washer	33487	99	Pinion Bearing Cage Cover .	30944
38	Helical and Differential Side Gear Bushing (Front, Long)	38458	66	Compression Spring	35281	100	Lockwasher	90417
39	Input Shaft Spacer Washer .	38460	67	Seal Retainer	30973	101	Stud Nut	90210
40	Input Shaft	38447	68	Felt Seal	30977	102	Cap Screw	90069
41	Sliding Clutch	38476	69	Stud Nut	25348	103	Drain Plug (Magnetic) . . .	24666
42	Case Cover Gasket	38441	70	Lockwasher	90414	104	Filler Plug	90318
43	Power Divider Case Cover .	38439	71	Shift Fork & Push Rod . . .	37878	105	Stud	27425
44	Input Shaft Bearing (Front) .	34716	72	Dowel Pins	37884	106	Stud	36438
45	Bearing Cover Gasket	34723	73	Stud	36438	107	Shift Fork and Push Rod . .	39235
46	Oil Seal	34718	74	Stud Nut	25348	108	Felt Seal	30977
47	Felt Seal	34717	75	Lockwasher	90414	109	Seal Retainer	30973
48	Input Shaft Bearing Cover and Seal (Front)	34720	76	Power Divider Case	38414	110	Compression Spring	31038
49	Lockwasher	90414	77	Bearing Sleeve Set Screw . .	35112	111	Rod Bushing Pin	32845
50	Cap Screw	91175	78	Lockwasher	35113	112	Rod Bushing	32844
51	Input Companion Flange . . .	Note 2	79	Power Divider Case Gasket .	38467	113	Shift Lever Bracket	32843
			80	Pinion Pilot Bearing	15828	114	Cap Screw	90054
			81	Drive Pinion and Ring Gear (Matched Set)	Note 1	115	Lockwasher	90415
			82	Inner Bearing Sleeve	38381	116	Shift Lever Clevis Pin	11230
			83	Pinion Bearing (Inner)	38409	117	Cotter Pin	8909
			84	Helical Gear	38437	118	Shift Lever	30951
			85	Not Used on 32MF or 34MF		119	Shift Lever Boot	30978
			86	Not Used on 32MF or 34MF		120	Boot Retainer	30967
			87	Pinion Spacer (Long)	38436	121	Lockwasher	8133
						122	Machine Screw	11364

Note 1: Refer to page 30 for Ring Gear and Drive Pinion Sets.

Note 3: Use Group Letter in Parts List, then refer to Pinion Bearing Spacer Table on page 38.

Note 2: Refer to O.E.M. Parts Catalog for Part Number.

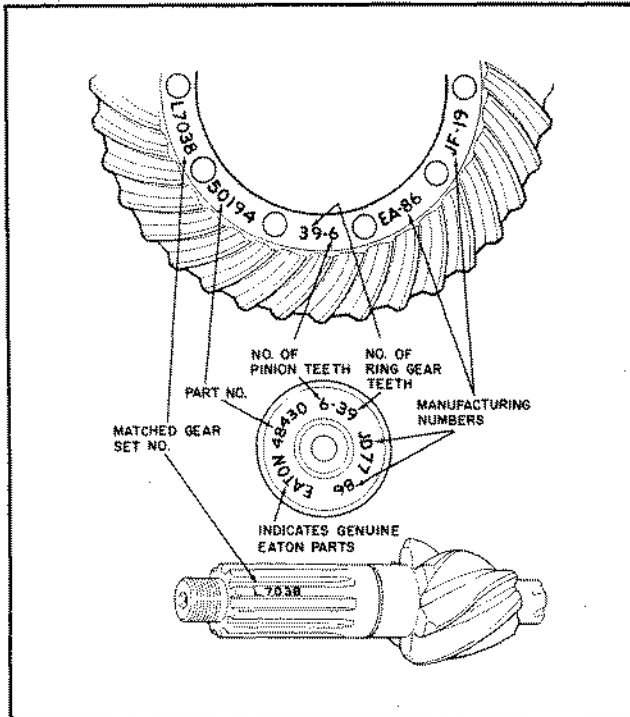
RING GEAR AND DRIVE PINION SETS

RATIO	PARTS	32MF 34MF Series	Super- seded By
		Old Part No.	New Part No.
3.80:1	Gear (38T)	40594	83418
	Pinion (10T)	40595	83419
	Set	40597	83420
4.88:1	Gear (39T)	38468	66816
	Pinion (8T)	38483	66817
	Set	37902	66818
5.57:1	Gear (39T)	38470	66821
	Pinion (7T)	38484	66822
	Set	37901	66823
6.50:1	Gear (39T)	38472	66826
	Pinion (6T)	38485	66827
	Set	37900	66828
7.17:1	Gear (43T)	39181	66831
	Pinion (6T)	39182	66832
	Set	37922	66833

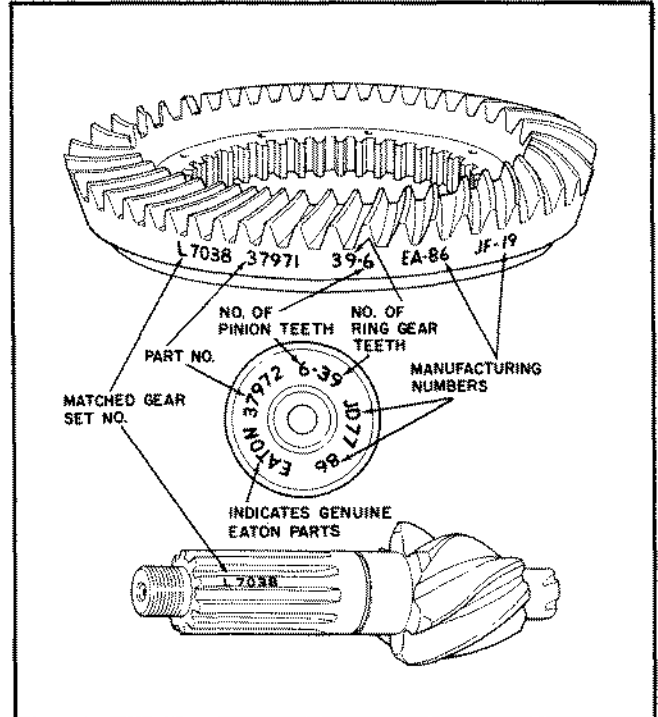
RATIO	PARTS	32MR 34MR Series	Super- seded By
		Old Part No.	New Part No.
3.80:1	Gear (38T)	40594	83418
	Pinion (10T)	40596	83421
	Set	40598	83422
4.88:1	Gear (39T)	38468	66816
	Pinion (8T)	38486	66819
	Set	39220	66820
5.57:1	Gear (39T)	38470	66821
	Pinion (7T)	38487	66824
	Set	39219	66825
6.50:1	Gear (39T)	38472	66826
	Pinion (6T)	38488	66829
	Set	39218	66830
7.17:1	Gear (43T)	39181	66831
	Pinion (6T)	39183	66834
	Set	39221	66835

how to order ring gear and drive pinion sets

Typical Single Reduction Gear Set



Typical Planetary Gear Set



NOTE: It is not uncommon for a gear or pinion of one type to have more than one pinion or gear mate of another type.

IMPORTANT: Order Ring Gear and Drive Pinion by Eaton "SET NO." from the Truck Manufacturer (O.E.M.) **DO NOT** order from Eaton Axle Division.

SELECT SET NO.

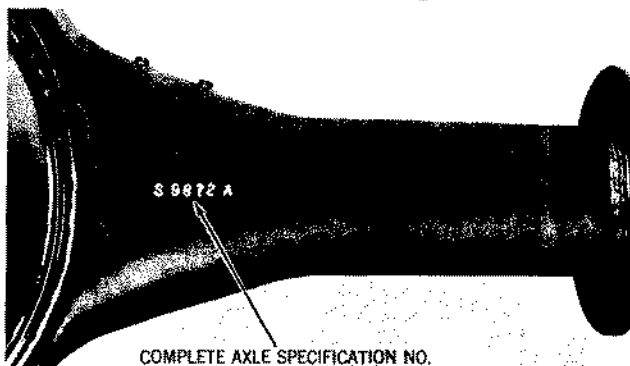
When Axle Model and Ratio are known —

Refer to the Axle Model Group Letter Index on pages 32 and 34 to obtain Group Letter or Letters (one letter A, B, C, etc., for single reduction axle) and (two letters TA, TB, etc., for 2-speed axles).

With Group Letter known, locate Ratio, then select and order SET NO. from the appropriate Group Letter column.

NOTE: Before ordering "SET NO." compare related gear and pinion part numbers in table with part numbers stamped on old gear and pinion. If part numbers agree, then the correct "SET NO." has been selected.

axle housing identification markings



(STAMPED ON FRONT OR REAR OF RIGHT HAND SIDE OF AXLE HOUSING)

Part No. is also stamped in same general area of banjo.

When Axle Model or Ratio are not known —

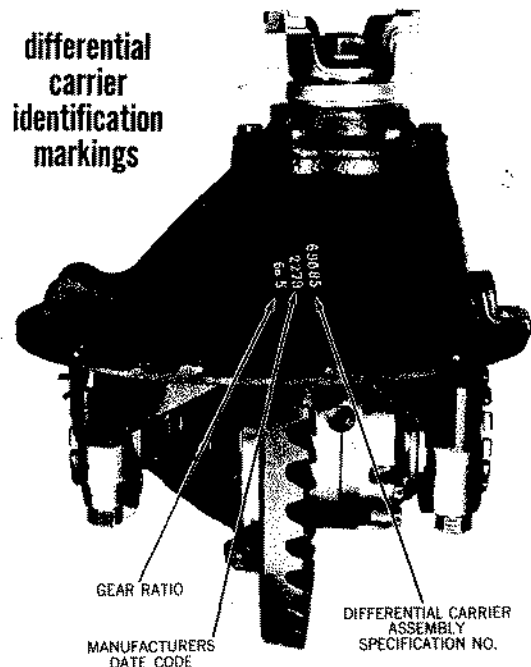
Step 1:

Research tables on pages 32, 33, 34 and 35 to locate part numbers that match part numbers stamped on the old ring gear and pinion. If equivalent part numbers can be located in the table, then order the "SET NO."

Step 2:

If part numbers cannot be located in Step 1, refer to pages 36 and 37 covering gear sets recently superseded and gear sets for discontinued axle models. If part numbers still cannot be located, contact the Truck Manufacturer (O.E.M.) for assistance in obtaining ring gear and drive pinion information.

differential carrier identification markings



axle model group letter index

(for single reduction axles)

AXLE MODELS	GEAR AND PINION SET GROUP LETTER	AXLE MODELS	GEAR AND PINION SET GROUP LETTER
1315	A (13 1/4" Gear)	17120-1, 18120-1 34RSD, 34RSE 38RSD, 38RSE	H (16 1/2" Gear)
1614, 1615	B (14 1/4" Gear)	34DSD, 34DSE 38DSD, 38DSE	I (16 1/2" Gear)
1618, 1619, 16120-1 30RS, 30RSB, 30RSC	C (15" Gear)	1910, 1911, 19100-1 2010, 2011, 20100	J (17" Gear)
30DS, 30DSB, 30DSC	D (15" Gear)	1918, 1919, 19120 -1 2018, 2019, 20120 44RS	K (18" Gear)
1790-A, 1791-A, 17100-1 1862, 1863, 1880, 1881 18100-1 34RS, 34RSB, 34RSC 38RS, 38RSB, 38RSC	E (16" Gear)	44DS	L (18" Gear)
1892, 1893	F (16" Gear)	19420-6	M (18" Gear)
34DS, 34DSB, 34DSC 38DS, 38DSB, 38DSC	G (16" Gear)		

ring gear and pinion sets

(for single reduction axles)

		SINGLE REDUCTION AXLE MODEL GROUP LETTER												
RATIO	PARTS	A	B	C	D	E	F	G	H	I	J	K	L	M
3.70:1	Gear (37T)					70372		70350			46632	52995	78852	52995
	Pinion (10T)					53868		53863			48804	52996	78831	53166
	Set					70383		70361			48811	53336	78866	82855
4.11:1	Gear (37T)					70373		70351			40284	52997	78854	52997
	Pinion (9T)					53875		53870			48805	52998	78833	53168
	Set					70384		70362			48812	53337	78867	82856
4.33:1	Gear (39T)					70374		70352			46386	52999	78856	52999
	Pinion (9T)					47347		48234			48806	53000	78835	52813
	Set					70385		70363			48813	53338	78868	82857
4.56:1	Gear (41T)					70375		70353				73312	78858	73312
	Pinion (9T)					48437		48406				73313	78837	73310
	Set					70386		70364				73314	78869	82858
4.62:1	Gear (37T)			50186	50174									
	Pinion (8T)			50187	50175									
	Set			50214	50208									

List continued on next page.

RING GEAR AND PINION SETS (CONT'D)
(FOR SINGLE REDUCTION AXLES)

RATIO	PARTS	SINGLE REDUCTION												
		AXLE MODEL GROUP LETTER (CONT'D)												
		A	B	C	D	E	F	G	H	I	J	K	L	M
4.88:1	Gear (39T)			50188	50176	70376	40050	70354			40227	53001	78860	53001
	Pinion (8T)			50189	50177	38861	40051	46972			48807	53002	78839	52815
	Set			50215	50209	70387	40058	70365			48814	53339	78870	82859
5.29:1	Gear (37T)					70377		70355						
	Pinion (7T)					62102		62094						
	Set					70388		70366						
5.43:1	Gear (38T)										39590	53003	78862	53003
	Pinion (7T)										48808	53004	78841	53170
	Set										48815	53340	78871	82860
5.57:1	Gear (39T)		33687	50190	50178	70378	40052	70356	79194					
	Pinion (7T)		33688	50191	50179	38863	40053	46973	79195					
	Set		33943	50216	50210	70389	40059	70367	80188					
6.14:1	Gear (43T)			50192	50180	70379	45304	70357	66838	74794				
	Pinion (7T)			50193	50181	41996	45305	46974	66839	74795				
	Set			50217	50211	70390	45308	70368	66840	74802				
6.17:1	Gear (37T)	41673									39592	53005	78864	53005
	Pinion (6T)	41674									48809	53006	78843	53172
	Set	41675									48816	53341	78872	82861
6.50:1	Gear (39T)		33689	50194	50182	70380	40054	70358	66841	74796				
	Pinion (6T)		33690	48430	48981	37972	40055	46975	66842	74797				
	Set		33942	50218	50212	70391	40060	70369	66843	74803				
6.67:1	Gear (40T)	40606									39594	*53007		53007
	Pinion (6T)	40607									48810	53008		53174
	Set	40608									48817	53342		82862
7.17:1	Gear (43T)		33944	50196	50184	70381	40056	70359	66844	74798				
	Pinion (6T)		33945	50197	50185	39747	40057	46976	66845	74799				
	Set		33941	50219	50213	70392	40061	70370	66846	74804				
7.60:1	Gear (38T)			48701	55676	70382		70360	66847	74800				
	Pinion (5T)			48702	55677	57446		48686	66848	74801				
	Set			48731	55678	70393		70371	66849	74805				
7.67:1	Gear (46T)					71773								
	Pinion (6T)					41447								
	Set					71775								

*Not used on 44RS

axle model group letter index (for 2-speed axles)

AXLE MODELS	GEAR AND PINION SET GROUP LETTER	AXLE MODELS	GEAR AND PINION SET GROUP LETTER
3802, 13802	TA (13 3/4" Gear)	17220-1, 17320-1, 18220-1, 18320-1	TI (16 1/2" Gear)
16600, 16601	TB (14 1/8" Gear)	34R3D, E	
15200-1	TC (14 1/4" Gear)	34RPD, E; 34RTD, E	
6802-3, 16802-3, 16220-1, 16320-1	TD (15" Gear)	38R3D, E	
30R3 30RP, 30RT	TE (15" Gear)	38RPD, E; 38RTD, E	
30D3, 30DP, 30DT	TF (15 1/2" Gear)	42R3D	TJ (16 1/2" Gear)
16244, 16344	TG (16" Gear)	42RPD, 42RTD	
7800, 17800-1		34D3D, E	
8802-3, 18802-3		34DPD, E; 34DTD, E	
17200-1, 17300-1		38D3D, E	
34R3, P, T; 34R3B, C		38DPD, E; 38DTD, E	TK (17" Gear)
34RPB, C; 34RTB, C	TH (16" Gear)	42D3D	
38R3, P, T; 38R3B, C		42DPD, 42DTD	
38RPB, C; 38RTB, C		0502-3, 9502-3, 19502-3, 20502-3	TL (18" Gear)
42R3, P, T; 42R3B		19200-1, 19300-1	
42RPB, 42RTB		20200, 20300	TM (18" Gear)
34D3, P, T; 34D3B, C		44DP, T	
34DPB, C; 34DTB, C		0800-1, 9800-1, 19800-1, 20800-1	TN (18" Gear)
38D3, P, T; 38D3B, C		19220-1, 19320-1, 20200, 20320	
38DPB, C; 38DTB, C		44RP, T	
42D3, P, T; 42D3B		2501, 22500, 22501	
42DPB, 42DTB			

ring gear and pinion sets (for 2-speed axles)

RATIO	PARTS	2-SPEED AXLE MODEL GROUP LETTER													
		TA	TB	TC	TD	TE	TF	TG	TH	TI	TJ	TK	TL	TM	TN
3.70/ 5.04:1	Gear (37T)							53867	53864				78830	53165	
	Pinion (10T)							53868	53863				78831	53166	
	Set							55937	56156				78844	53279	
4.11/ 5.60:1	Gear (37T)							53874	53871				78832	53167	
	Pinion (9T)							53875	53870				78833	53168	
	Set							55938	56157				78845	53280	
4.33/ 5.90:1	Gear (39T)							47346	48233			41958	78834	52812	32608
	Pinion (9T)							47347	48234			48818	78835	52813	32609
	Set							47348	48235			48823	78846	53281	32610
4.56/ 6.21:1	Gear (41T)							48436	48435				78836	73309	
	Pinion (9T)							48437	48406				78837	73310	
	Set							49366	49365				78847	73311	
4.56/ 6.34:1	Gear (41T)	55501		74044											
	Pinion (9T)	55502		74045											
	Set	55503		74039											

List continued on next page.

RING GEAR AND PINION SETS (CONT'D)
(FOR 2-SPEED AXLES)

ring gear and pinion sets

RATIO	PARTS	2-SPEED AXLE MODEL GROUP LETTER (CONT'D)													
		TA	TB	TC	TD	TE	TF	TG	TH	TI	TJ	TK	TL	TM	TN
4.62/ 6.43:1	Gear (37T) Pinion (8T) Set				50203 50187 50225	50198 50175 50220	74006 74007 74000								
4.88/ 6.64:1	Gear (39T) Pinion (8T) Set							38860 38861 39096	47241 46972 47856			41960 48819 48824	78838 78839 78848	52814 52815 53282	31317 31318 31319
4.875/ 6.78:1	Gear (39T) Pinion (8T) Set				50204 50189 50226	50199 50177 50221	74008 74009 74001								
5.14/ 7.16:1	Gear (36T) Pinion (7T) Set	53055 53056 53057		74046 74047 74040											
5.29/ 7.21:1	Gear (37T) Pinion (7T) Set							62101 62102 62103	62099 62094 62100						
5.43/ 7.39:1	Gear (38T) Pinion (7T) Set											41962 48820 48825	78840 78841 78849	53169 53170 53283	
5.57/ 7.60:1	Gear (39T) Pinion (7T) Set							38862 38863 39094	47242 46973 47857	79196 79195 80189					
5.57/ 7.75:1	Gear (39T) Pinion (7T) Set		31713 31714 32099		50205 50191 50227	50200 50179 50222	74010 74011 74002								
5.83/ 8.12:1	Gear (35T) Pinion (6T) Set	47993 47994 47995		74048 74049 74041											
6.14/ 8.36:1	Gear (43T) Pinion (7T) Set				50206 50193 50228	50201 50181 50223		41995 41996 41997	45749 46974 47858	66850 66839 66851	75170 74795 75175	41964 48821 48826			
6.17/ 8.40:1	Gear (37T) Pinion (6T) Set												78842 78843 78850	53171 53172 53284	39015 39016 39017
6.17/ 8.58:1	Gear (37T) Pinion (6T) Set		31715 31716 32100				76560 76561 74003								
6.33/ 8.81:1	Gear (38T) Pinion (6T) Set	46729 46730 46841		74050 74051 74042											
6.50/ 8.86:1	Gear (39T) Pinion (6T) Set							37971 37972 39095	47243 46975 47859	66852 66842 66853	75172 74797 75176				
6.50/ 9.04:1	Gear (39T) Pinion (6T) Set		31717 31718 32101		48429 48430 48431	48980 48981 48982	74014 74015 74004								
6.67/ 9.08:1	Gear (40T) Pinion (6T) Set													53173** 53174 53285	
6.71/ 9.14:1	Gear (47T) Pinion (7T) Set											41966 48822 48827			37140 37141 37142
7.17/ 9.76:1	Gear (43T) Pinion (6T) Set				50207 50197 50229	50202 50185 50224		39746 39747 39748	47244 46976 47860	66854 66845 66855	75174 74799 75177			55245** 55246 55247	
7.17/ 9.97:1	Gear (43T) Pinion (6T) Set		40741 40742 40743				74016 74017 74005								
7.60/ 10.36:1	Gear (38T) Pinion (5T) Set				57214 48702 57215	57212 55677 57213		57445 57446 57447	57443 48686 57444						

** Not used on

ring gear and pinion sets (superseded)

RATIO	PARTS	17-18 34-38RS Series	Super- seded By*	Page No.	Group Letter
		Old Part No.	New Part No.		
3.70:1	Gear (37T) Pinion(10T) Set	53865 53866 56791	70372 53868 70383	32	E
4.11:1	Gear (37T) Pinion(9T) Set	53872 53873 56792	70373 53875 70384	32	E
4.33:1	Gear (39T) Pinion(9T) Set	52335 52336 52491	70374 47347 70385	32	E
4.56:1	Gear (41T) Pinion(9T) Set	48408 48409 48410	70375 48437 70386	32	E
4.88:1	Gear (39T) Pinion(8T) Set	43841 43842 43845	70376 38861 70387	33	E
5.29:1	Gear (37T) Pinion(7T) Set	62096 62097 62098	70377 62102 70388	33	E

RATIO	PARTS	17-18 34-38RS Series	Super- seded By*	Page No.	Group Letter
		Old Part No.	New Part No.		
5.57:1	Gear (39T) Pinion(7T) Set	43843 43844 43846	70378 38863 70389	33	E
6.14:1	Gear (43T) Pinion(7T) Set	46837 46838 46839	70379 41996 70390	33	E
6.50:1	Gear (39T) Pinion(6T) Set	41331 41332 41333	70380 37972 70391	33	E
7.17:1	Gear (43T) Pinion(6T) Set	41441 41442 41443	70381 39747 70392	33	E
7.60:1	Gear (38T) Pinion(5T) Set	54336 54337 54445	70382 57446 70393	33	E
7.67:1	Gear (46T) Pinion(6T) Set	41446 41447 41444	71773 41447 71775	33	E

RATIO	PARTS	** 1910 & 2010 Series w/ 1-3/4" Spline	Super- seded By w/ 1-31/32" Spline	Page No.	Group Letter
		Old Part No.	New Part No.		
3.70:1	Gear (37T) Pinion(10T) Set	46632 46633 46634	46632 48804 48811	32	J
4.11:1	Gear (37T) Pinion(9T) Set	40284 40285 40313	40284 48805 48812	32	J
4.33:1	Gear (39T) Pinion(9T) Set	46386 46387 46388	46386 48806 48813	32	J
4.88:1	Gear (39T) Pinion(8T) Set	40227 40228 40314	40227 48807 48814	33	J
5.43:1	Gear (38T) Pinion(7T) Set	39590 39591 40315	39590 48808 48815	33	J
6.17:1	Gear (37T) Pinion(6T) Set	39592 39593 40316	39592 48809 48816	33	J
6.67:1	Gear (40T) Pinion(6T) Set	39594 39595 40317	39594 48810 48817	33	J

RATIO	PARTS	** 19502 & 20502 Series w/ 1-3/4" Spline	Super- seded By w/ 1-31/32" Spline	Page No.	Group Letter
		Old Part No.	New Part No.		
4.33:1	Gear (39T) Pinion(9T) Set	41958 41959 41968	41958 48818 48823	34	TK
4.88:1	Gear (39T) Pinion(8T) Set	41960 41961 41969	41960 48819 48824	34	TK
5.43:1	Gear (38T) Pinion(7T) Set	41962 41963 41970	41962 48820 48825	34	TK
6.14:1	Gear (43T) Pinion(7T) Set	41964 41965 41971	41964 48821 48826	34	TK
6.71:1	Gear (47T) Pinion(7T) Set	41966 41967 41972	41966 48822 48827	34	TK

** Either size spline is still available for replacement. When converting to the 1-31/32" size, it is necessary to replace the companion flange and the companion flange nut also. Obtain companion flange part numbers from O.E.M. Parts Catalog. Use Part Number 7865 for the nut.

RATIO	PARTS	34-38DS Series	Super- seded By*	Page No.	Group Letter
		Old Part No.	New Part No.		
3.70:1	Gear (37T) Pinion(10T) Set	53862 53863 56789	70350 53863 70361	32	G
4.11:1	Gear (37T) Pinion(9T) Set	53869 53870 56790	70351 53870 70362	32	G
4.33:1	Gear (39T) Pinion(9T) Set	52334 48234 52490	70352 48234 70363	32	G
4.56:1	Gear (41T) Pinion(9T) Set	48405 48406 48407	70353 48406 70364	32	G
4.88:1	Gear (39T) Pinion(8T) Set	47237 46972 47814	70354 46972 70365	33	G
5.29:1	Gear (37T) Pinion(7T) Set	62093 62094 62095	70355 62094 70366	33	G

RATIO	PARTS	34-38DS Series	Super- seded By*	Page No.	Group Letter
		Old Part No.	New Part No.		
5.57:1	Gear (39T) Pinion(7T) Set	47238 46973 47815	70356 46973 70367	33	G
6.14:1	Gear (43T) Pinion(7T) Set	46834 46974 47816	70357 46974 70368	33	G
6.50:1	Gear (39T) Pinion(6T) Set	47239 46975 47817	70358 46975 70369	33	G
7.17:1	Gear (43T) Pinion(6T) Set	47240 46976 47818	70359 46976 70370	33	G
7.60:1	Gear (38T) Pinion(5T) Set	48685 48686 48687	70360 48686 70371	33	G

* When replacing old gear sets with new gear sets, it is necessary to order Bolt and Nut Kit Part Number 69957.

ring gear and pinion sets (for discontinued axle models)

ring gear and pinion sets

PARTS	Part No.	Ratio	No. of Teeth	Model No.
Pinion Gear Set	19197 27864 27886	5.62:1	8 45	16500
Pinion Gear Set	21271 21270 21272	5.14:1	7 36	350, 1350
Pinion Gear Set	21273 21270 21275	5.14:1	7 36	350, 1350
Pinion Gear Set	21291 21270 21293	5.14:1	7 36	350, 1350
Pinion Gear Set	25353 25352 25843	5.83:1	6 35	350, 1350
Pinion Gear Set	26274 26273 26275	6.33:1	6 38	350, 1350
Pinion Gear Set	27841 27840 27898	6.50:1	6 39	17, 18500
Pinion Gear Set	27924 25352 27925	5.83:1	6 35	350, 1350
Pinion Gear Set	27926 25352 27927	5.83:1	6 35	350, 1350
Pinion Gear Set	27936 26273 27939	6.33:1	6 38	350, 1350
Pinion Gear Set	27937 26273 27938	6.33:1	6 38	350, 1350
Pinion Gear Set	28411 27863 27887	6.14:1	7 43	16500
Pinion Gear Set	29902 27896 29827	6.50:1	6 39	16500
Pinion Gear Set	31862 31861 32532	5.14:1	7 36	13600
Pinion Gear Set	31865 31864 32533	5.83:1	6 35	13600
Pinion Gear Set	31868 31867 32534	6.33:1	6 38	13600
Pinion Gear Set	32823 25352 32867	5.83:1	6 35	350, 1350
Pinion Gear Set	32860 26273 32868	6.33:1	6 38	350, 1350
Pinion Gear Set	32966 33156 33191	4.85:1	7 34	36MR
Pinion Gear Set	33505 33503 33837	5.85:1	7 41	36MR
Pinion Gear Set	34782 33402 35057	6.50:1	6 39	28MR
Pinion Gear Set	34783 33403 35058	7.17:1	6 43	28MR

PARTS	Part No.	Ratio	No. of Teeth	Model No.
Pinion Gear Set	34784 33796 35055	6.17:1	6 37	22MR
Pinion Gear Set	34785 33794 35056	7.17:1	6 43	22MR
Pinion Gear Set	34915 34829 35059	5.57:1	7 39	28MR
Pinion Gear Set	35072 35070 35186	6.43:1	7 45	36MR
Pinion Gear Set	35116 35114 35187	7.17:1	6 43	36MR
Pinion Gear Set	35927 31864 35930	5.83:1	6 35	13600
Pinion Gear Set	35928 31867 35931	6.33:1	6 38	13600
Pinion Gear Set	36682 36681 36683	4.88:1	8 39	17, 18500
Pinion Gear Set	37654 34829 37657	5.57:1	7 39	28MF
Pinion Gear Set	37655 33402 37658	6.50:1	6 39	28MF
Pinion Gear Set	37656 33403 37659	7.17:1	6 43	28MF
Pinion Gear Set	38611 33796 38613	6.17:1	6 37	22MF
Pinion Gear Set	38612 33794 38614	7.17:1	6 43	22MF
Pinion Gear Set	41728 33156 41736	4.85:1	7 34	36MF
Pinion Gear Set	41729 33503 41737	5.85:1	7 41	36MF
Pinion Gear Set	41730 35070 41738	6.43:1	7 45	36MF
Pinion Gear Set	41731 35114 41739	7.17:1	6 43	36MF
Pinion Gear Set	44686 44685 45638	6.33:1	6 38	3800, 13800
Pinion Gear Set	44958 43156 45014	6.33:1	6 38	13602
Pinion Gear Set	45583 45582 45637	5.83:1	6 35	3800, 13800
Pinion Gear Set	46051 46050 46052	5.83:1	6 35	13602
Pinion Gear Set	53056 53055 64557	5.14:1	7 36	3800, 13800

pinion bearing spacers

(All available thicknesses are listed)

THICKNESS	GROUP A PART NO.	GROUP B PART NO.	THICKNESS	GROUP A PART NO.	GROUP B PART NO.
.167	31368	28683	.185	31377	28692
.168	44907	44838	.186	44916	44847
.169	31369	28684	.187	31378	28693
.170	44908	44839	.188	44917	44848
.171	31370	28685	.189	31379	28694
.172	44909	44840	.190	44918	44849
.173	31371	28686	.191	31380	28695
.174	44910	44841	.192	44919	44850
.175	31372	28687	.193	31381	28696
.176	44911	44842	.194	44920	44851
.177	31373	28688	.195	31382	28697
.178	44912	44843	.196	44921	44852
.179	31374	28689	.197	31383	28698
.180	44913	44844	.198	44922	44853
.181	31375	28690	.199	66533	66545
.182	44914	44845	.200	66534	66546
.183	31376	28691	.201	66535	66547
.184	44915	44846	.202	66536	66548

THICKNESS	GROUP C PART NO.	THICKNESS	GROUP C PART NO.	THICKNESS	GROUP D PART NO.	THICKNESS	GROUP D PART NO.
.309	31090	.329	31100	.513	10951	.529	38251
.310	38382	.330	38392	.514	38246	.530	21914
.311	31091	.331	31101	.515	21909	.531	10805
.312	38383	.332	38393	.516	10800	.532	38252
.313	31092	.333	31102	.517	38247	.533	21915
.314	38384	.334	38394	.518	21910	.534	10806
.315	31093	.335	31103	.519	10801	.535	38253
.316	38385	.336	38395	.520	38248	.536	21916
.317	31094	.337	31104	.521	21911	.537	10807
.318	38386	.338	38396	.522	10802	.538	38254
.319	31095	.339	31105	.523	38249	.539	10808
.320	38387	.340	38397	.524	21912	.540	10952
.321	31096	.341	38000	.525	10803	.541	38255
.322	38388	.342	38398	.526	38250	.542	21917
.323	31097	.343	38001	.527	21913	.543	10950
.324	38389	.344	38399	.528	10804	.544	38256
.325	31098	.345	38002				
.326	38390	.346	38400				
.327	31099	.347	38003				
.328	38391	.348	38401				

THICKNESS	GROUP E PART NO.	THICKNESS	GROUP E PART NO.
.6225	35008	.6405	35014
.6255	35009	.6415	36547
.6285	35010	.6425	36548
.6315	35011	.6435	35015
.6345	35012	.6445	36549
.6355	36543	.6455	36550
.6365	35013	.6465	35016
.6375	36544	.6495	35017
.6385	36545	.6526	35018
.6395	36546		

THICKNESS	GROUP F PART NO.	GROUP G PART NO.	THICKNESS	GROUP F PART NO.	GROUP G PART NO.
.623	12514	41568	.639	38266	41584
.624	38257	41569	.640	33289	41585
.625	38258	41570	.641	12519	41586
.626	12515	41571	.642	38267	41587
.627	38259	41572	.643	38268	41588
.628	38260	41573	.644	12520	41589
.629	12522	41574	.645	38269	41590
.630	38261	41575	.646	38270	41591
.631	38262	41576	.647	12521	41592
.632	12516	41577	.648	38271	41593
.633	38263	41578	.649	38272	41594
.634	38264	41579	.650	12523	41595
.635	12517	41580	.651	38273	41596
.636	38265	41581	.652	38274	41597
.637	33288	41582	.653	12524	41598
.638	12518	41583	.654	38275	41599

pinion bearing cage shims

(All available thicknesses are listed)

pinion bearing cage shims
differential side gears and side pinions

GROUP LETTER	SHIM SIZE (inches)				
	0.003	0.005	0.010	0.020	0.030
	PART NUMBERS				
A	12099	58961	12097	58962	12096
B	16890	61991	16891	61992	16892
C	31629	---	31630	---	31631
D	31664	---	31665	---	31666
E	39531	62827	39532	62828	39533
F	43588	61993	43589	61994	43590
G	45461	62829	45462	62830	45463
H	46760	62831	46761	62832	46762
J	67920	67921	67922	67923	67924

differential side gears and side pinions

IMPORTANT: More than one type of splines are used on similar Axle Models. When selecting Part or Kit Nos., make certain that the Spline Data matches the parts being replaced.

Axle Model Group Letter	CURRENT STYLE									18/10 TOOTH COMBINATION REPLACEMENT KIT PART NO.		EARLY STYLE****			
	SIDE GEAR DATA			SIDE GEAR SPLINE DATA			PINION DATA		Single Reduction Axles **	Two Speed Axles ***		Side Gear Part No.	Gear Teeth	Pinion Part No.	Pinion Teeth
	Gear Part No.	Gear Teeth	Hub Length	Type*	Spline Teeth	Size (inches)	Pinion Part No.	Pinion Teeth							
D	37069	18	Short	Str.	16	2-1/8	37071	10	38156	38156		27807	18	27809	10
N	37069	18	Short	Str.	16	2-1/8	37071	10				27807	18	27809	10
N	37070			Replace with 37069								27808	18	27809	10
C	37072	18	Short	Str.	16	2	37071	10	38155	38155		29102	18	27809	10
M	37072	18	Short	Str.	16	2	37071	10				29102	18	27809	10
M	37073			Replace with 37072								29103	18	27809	10
B	64939	18	Short	Ang.	16	1-29/32	64941	10	64943	64943		35579	20	31942	11
L	64939	18	Short	Ang.	16	1-29/32	64941	10				35579	20	31942	11
L	64940			Replace with 64939								35580	20	31942	11
B	64944	18	Short	Str.	16	1-29/32	64941	10	64947	64947		31943	20	31942	11
L	64944	18	Short	Str.	16	1-29/32	64941	10				31943	20	31942	11
L	64945			Replace with 64944								31944	20	31942	11
A	69965	18	Short	Ang.	19	1-13/16	69967	10	70695	70695		39984	22	25300	12
K	69965	18	Short	Ang.	19	1-13/16	69967	10				39984	22	25300	12
K	69966			Replace with 69965								39985	22	25300	12
A	70039	18	Short	Ang.	16	1-3/4	69967	10	70743	70743		25481	22	25300	12
K	70039	18	Short	Ang.	16	1-3/4	69967	10				25481	22	25300	12
K	70040			Replace with 70039								25482	22	25300	12
A	70051	18	Short	Ang.	16	1-3/4	69967	10	70737	70737		25479	22	25300	12
K	70051	18	Short	Ang.	16	1-3/4	69967	10				25479	22	25300	12
K	70052			Replace with 70051								25480	22	25300	12
A	70061	18	Short	Str.	16	1-3/4	69967	10	71975	71975		25477	22	25300	12
K	70061	18	Short	Str.	16	1-3/4	69967	10				25477	22	25300	12
K	70062			Replace with 70061								25478	22	25300	12
E	73339	18	Short	Str.	16	2-9/32	73341	10	75837	75837		39345	20	39347	11
P	73339	18	Short	Str.	16	2-9/32	73341	10				39345	20	39347	11
P	73340			Replace with 73339								39346	20	39347	11
F	73342	18	Short	Inv.	22	2-11/32	73341	10	75838	75838		43251	20	39347	11
Q	73342	18	Short	Inv.	22	2-11/32	73341	10				43251	20	39347	11
Q	73343			Replace with 73342								43252	20	39347	11

* Str. = Straight, Ang. = Angular, Inv. = Involute

** Single Reduction Axle Kits contain 2 Side Gears, 4 Side Pinions plus Thrust Washers.

*** 2-Speed Axle Kits are the same as Single Reduction Axle Kits. The long hub side gear for the 2-speed Axle has been obsoleted. Two identical side gears are used on all axle models.

**** When Side Gears and Side Pinions listed under the "EARLY STYLE" require replacement, it is recommended they be replaced with the equivalent 18/10 Tooth Combination Replacement Kit listed under the "CURRENT STYLE".

ribbed to conical carrier conversion

The Eaton Axle Conical Carrier represents a revolutionary achievement in design strength and reduced weight. It also incorporates a new efficient lubricating system which assures oil supply to all moving parts. Conversion of Ribbed Carriers to the Conical Type can be accomplished as described below.

Differential Head Assembly Conversion:

Conversions, involving Differential Head Assemblies (Drop-In Units) for many types of axles, are automatic. When new head assemblies are ordered, they will be furnished with the new Conical Carrier Assembly.

The 2-Speed Conical Carrier design provides only for mounting the current type Air and/or Electric Shift Systems (where the shift unit is mounted directly over the shift fork). Therefore, the 2-Speed Axles with the earlier type Mechanical, Vacuum or Air Systems (which "crank" the shift fork from a remote point on the carrier by means of a clutch shaft or lever) are restricted to the Ribbed Type Carrier.

Repair and Rebuild Conversions:

Conversions through repair and rebuild processes are possible and are:

- (1) Compulsory if larger diameter ring gears are desired on axle models where offered. Note: To accommodate larger diameter ring gears, a simple grinding operation on the axle housing may be necessary to provide additional clearance.
- (2) Recommended in all major repair jobs where ribbed carrier replacement is deemed necessary.
- (3) Optional in all other cases where possible to convert.

The following list includes Ribbed-Type Axle Models which can be converted to the Conical Type Carrier and the Conical Type Parts which are required for the conversion.

DESCRIPTION	1618	1880	1910	1918	30R3	**	**	38R3	0502-3	0800-1	34D3, P, T
	1619	1881	2010	2018	30RP	34R3	38RP, T	42R3	9502-3	9800-1	38D3, P, T
	30RS	38RS	2011	2019	30RT	34RT	42RP, T	8802-3	19502-3	19800-1	42DP, T
					6802-3	7800	18802	18803	20502-3	20800-1	34DS
					16802-3	17800-1					38DS

PART NUMBERS

NOTE: All quantities for Conversion Parts are 1 except use 2 Pinion Bearing Cones Part No. 14218 for Models 1910, 1911, 2010 and 2011 and 6 each of Part No. 90070 Cap Screw and 90422 Lockwasher for Models 0502-3, 9502-3, 19502-3 and 20502-3.

Differential Carrier and Caps (Conical)	67820	67758	67855	67855	68915	67759	67759	67911	67911	65419	65419
Pinion Bearing Cage w/Cups			67913	79110				67913	79110		
Oil Seal and Retainer			67917	67919				67917	67919		
Pinion Bearing Cone			14218	14218					14218		
Pinion Bearing Spacer Washer			31366	31366					31366		
Sealer (for Oil Seal Retainer O.D.)			67925	67925				67925	67925		
Pinion Bearing Spacer			Page 38	Page 38				Page 38	Page 38		
Pinion Bearing Shim Pack			Group A	Group A				Group A	Group A		
			Page 39	Page 39				Page 39	Page 39		
			Group J	Group J				Group J	Group J		
Bearing Adjuster Lock (LH)						37745					
Bearing Adjuster Lock Screws						37747					
Bearing Adjuster Lock Bushings						37746					
Expansion Plug								30703	30703		
Cap Screw, Bearing Cage to Carrier								90070			
Lockwasher								90422			

(The following are optional items only and may be used if desired)

Pinion Bearing Cage w/Cups (for pressed-in type oil seal and retainer)	64599				64599						
Oil Seal and Retainer (Pressed-in Type)		79470				79470	79470				
Oil Seal and Retainer (for 2 3/8" Seal)	64680				64680						
Oil Seal and Retainer (for 2 5/8" Seal)	64601				64601						

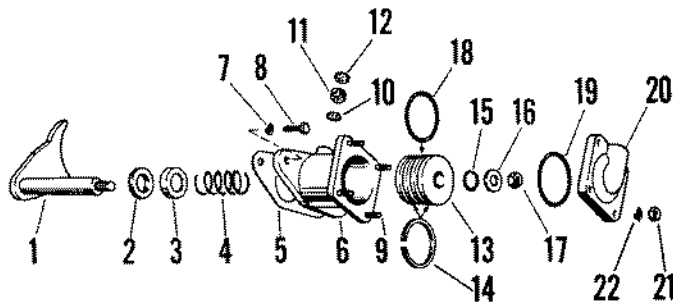
(Add the following parts if also converting to larger diameter drive gears)

Pinion Bearing Cage w/Cups	67817				67817	67817			74973	74973
Pinion Helical Gear									74991	74991
*Axle Housing Cover (34D and 38D)									75335	75335
*Axle Housing Cover (42R Only) (42D Only)						75479				75337
Available 16 1/2" Diameter Gear Ratios	Page 32				Page 34	Page 34			Page 32	Page 34
	Group H				Group TI	Group TI			Group I	Group TJ

* Finished Part Numbers vary according to O.E.M application, but only Housing Covers with these same casting numbers will accommodate 16 1/2" diameter Gears.

** Air and/or Electric Shift Units only.

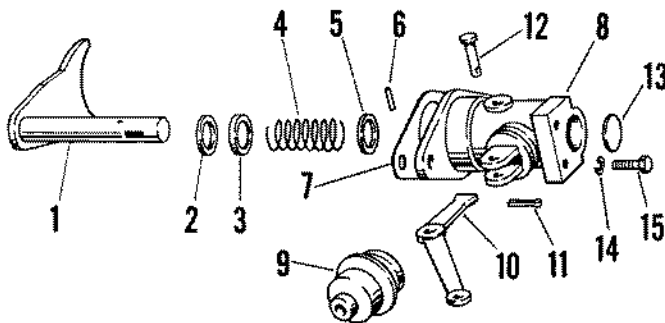
differential lockouts



Body Kit 34779
(Includes 6, 9
thru 16, and
18 thru 20)

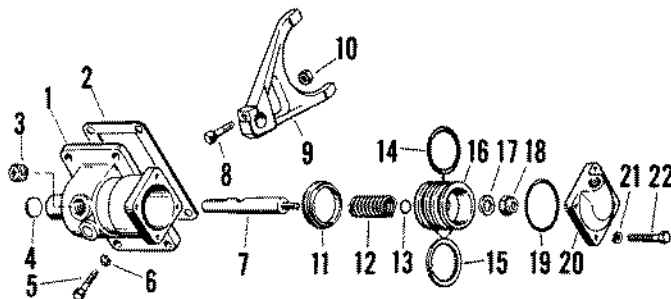
AIR-OPERATED LOCKOUT (For "D" series tandem drive axles, except 44D)

Item No.	DESCRIPTION	Part No.
1	Shift Fork & Push Rod Assembly	45859
2	Felt Seal	30977
3	Seal Retainer	30973
4	Compression Spring	31038
5	Gasket	34763
6	Shift Cylinder Body	35265
7	Lock Washer	90415
8	Cap Screw	90031
9	Shift Cylinder Body Stud	32829
10	Strainer Plate	60746
11	Felt	61015
12	Cover	60745
13	Shift Cylinder Piston	32834
14	Piston Felt Oiler	32835
15	Push Rod Grommet	32826
16	Flat Washer	32825
17	Push Rod Nut	90206
18	Piston Grommet	32832
19	Cover Grommet	60817
20	Shift Cylinder Cover	32831
21	Nut	90201
22	Lock Washer	90419



VACUUM-OPERATED LOCKOUT (For "D" series tandem drive axles, except 44D)

Item No.	DESCRIPTION	Part No.
1	Shift Fork & Push Rod	45486
2	Felt Seal	30977
3	Seal Retainer	30973
4	Compression Spring	35281
5	Retainer Washer	33487
6	Retainer Washer Pin	33488
7	Shift Lever Bracket Gasket	34763
8	Shift Lever Bracket	37882
9	Shift Lever Boot	39354
10	Shift Lever	37881
11	Cotter Pin	8909
12	Clevis Pin	11230
13	Expansion Plug	9797
14	Lockwasher	90415
15	Cap Screw	90031



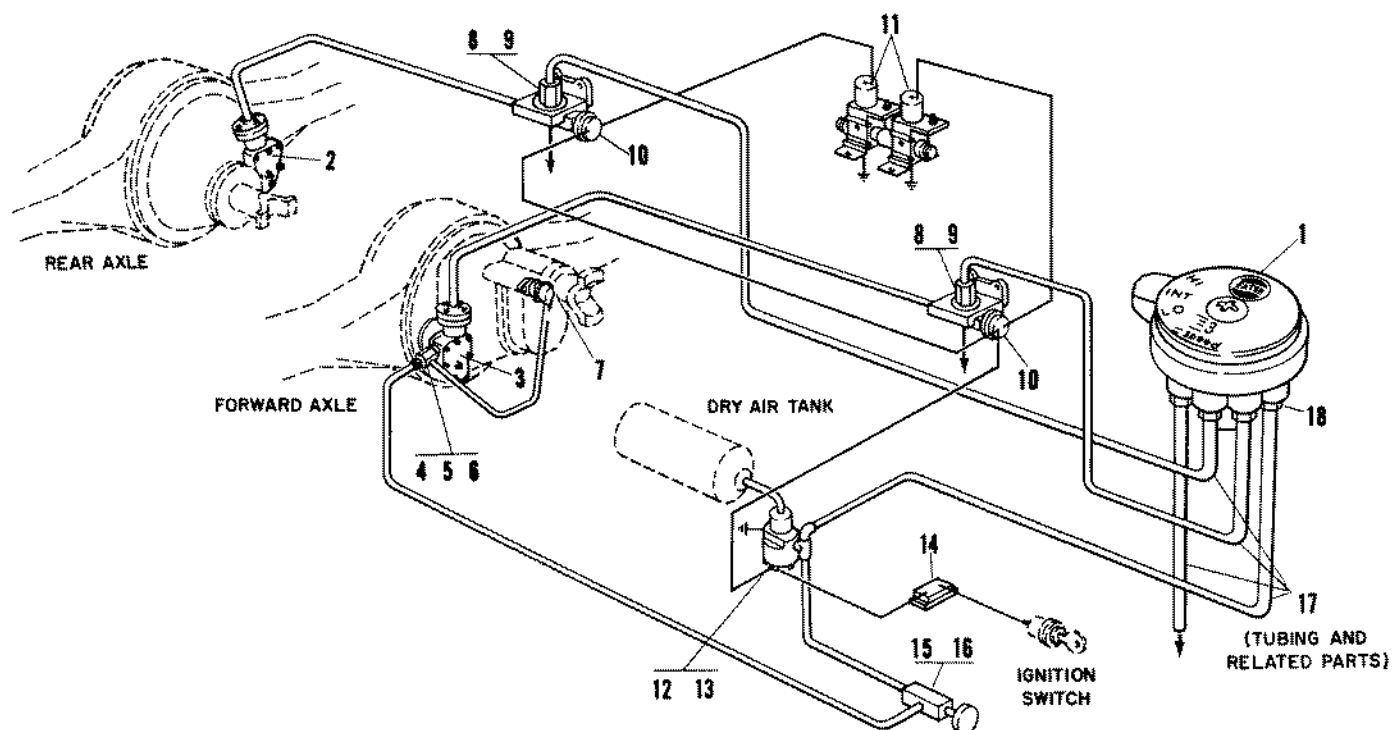
AIR-OPERATED LOCKOUT (For 44D tandem drive axles)

Item No.	DESCRIPTION	Part No.
1	Shift Cylinder Housing	78933
2	Housing Gasket	78927
3	Housing Pipe Plug	90325
4	Housing Expansion Plug	9797
5	Housing Cap Screw	91385
6	Lockwasher	90421
7	Push Rod	79582
8	Shift Fork Bolt	79241
9	Shift Fork	78934
10	Shift Fork Bolt Lock Nut	57637
11	Piston Stop	73495
12	Compression Spring	31038
13	Push Rod "O" Ring	32826
14	Piston "O" Ring	32832
15	Piston Oiler (Felt Strip)	32835
16	Piston	73493
17	Push Rod Flat Washer	32825
18	Push Rod Lock Nut	73496
19	Housing Cover "O" Ring	60817
20	Housing Cover	81896
21	Lockwasher	90419
22	Cover Cap Screw	79363



axle shift systems and components

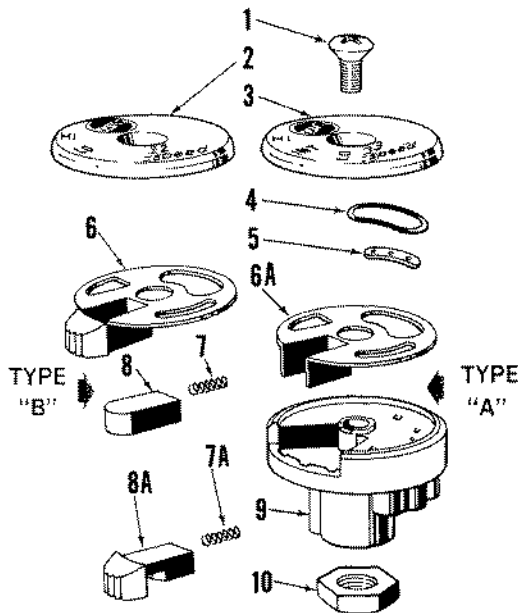
TYPICAL STRAIGHT-AIR SHIFT SYSTEM ILLUSTRATED
(Use illustration for reference to parts list only)



Item No.	DESCRIPTION	Part No.
1	Shifter Valve or Control Switch	See Page 43
2	Rear Axle Shift Unit	See Pages 44, 45, 46, 47
3	Forward Axle Shift Unit	
4	Lockout Control (Air-Operated Valve Type)	66483
5	(Electric Switch)	56658
6	Plug (Used when lockout control is not furnished)	58309
	"O" Ring (Used with lockout control or plug)	56659
7	Lockout Cylinder	See Page 41
8	Quick Release Valve	66468
9	Elbow Tube Connector (in quick release valve)	66476
10	Speedometer Adapter Pressure Switch (Normally Closed Type) (2-Speed)	66484
	(Normally Open Type) (3-Speed)	56071
11	Speedometer Adapter	Refer to O.E.M. Catalog for Part Number
12	Solenoid Valve	46805
13	Elbow Tube Connector (in solenoid valve)	66477
14	Circuit Breaker	33662
15	Lockout Valve (in cab)	66470
16	Lockout Instruction Tag	73344
17	Tubing and Related Parts	
	Nylon Tubing	
	(Green) Supply (2-Speed, 3-Speed)	66472
	(Red) (2-Speed, 3-Speed)	66473
	(Black) (3-Speed)	66474
	(White) Exhaust (2-Speed, 3-Speed)	66475
	Loom	66479
	Loom Clip	66478
18	Connector	66471

2-SPEED and 3-SPEED AIR SHIFTER VALVE

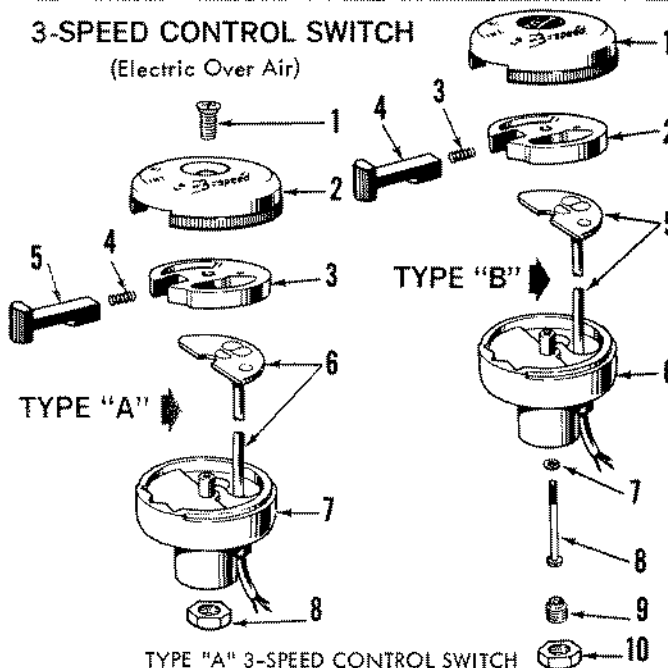
(Straight-Air)



Item No.	DESCRIPTION	2-Speed		3-Speed	
		Type A	Type B	Type A	Type B
	Air Valve Assembly (For 5/8-11 Shift Lever) (For 1/2-20 Shift Lever) (For 1/2-13 Shift Lever) (For 3/8-24 Shift Lever)	71077 71078 71079 71080	74876 74877 74878 74879	66460 66462 66464 66466	74872 74873 74874 74875
1	Cover Screw	66459	66459	66459	66459
2	2-Speed Cover	70740	70740	---	---
3	3-Speed Cover	---	---	66458	66458
4	"O" Ring	66455	66455	66455	66455
5	"O" Ring Guide	66454	66454	66454	66454
6A	Shifter Plate	66453	---	66453	---
6	Shifter Plate w/Integral Knob	---	74860	---	74860
7A	Knob Spring	66457	---	66457	---
7	Valve Lock Spring	---	74861	---	74861
8A	Shifter Knob	66456	---	66456	---
8	Valve Lock	---	74863	---	74863
9	Housing (For 5/8-11 Shift Lever) (For 1/2-20 Shift Lever) (For 1/2-13 Shift Lever) (For 3/8-24 Shift Lever)	71073 71074 71075 71076	74868 74869 74870 74871	66452 66461 66463 66465	74864 74865 74866 74867
10	Jam Nut (5/8-11) (1/2-20) (1/2-13) (3/8-24)	56286 59600 56287 56526	56286 59600 56287 56526	56286 59600 56287 56526	56286 59600 56287 56526

3-SPEED CONTROL SWITCH

(Electric Over Air)



TYPE "A" 3-SPEED CONTROL SWITCH

Item No.	DESCRIPTION	Part No.
	Control Switch Assembly (For 3/8-24 Shift Lever) (For 1/2-13 Shift Lever) (For 5/8-11 Shift Lever)	67287 67279 67256
1	Cover Screw	66924
2	Cover	66925
3	Actuating Plate, Contact and Spring Assembly	64597
4	Shifter Knob Spring	55649
5	Shifter Knob	55646
6	Insulator, Contacts and Wiring Harness Assembly	55657
7	Base Plate (For 3/8-24 Shift Lever) (For 1/2-13 Shift Lever) (For 5/8-11 Shift Lever)	66933 66927 66936
8	Jam Nut (For 3/8-24 Shift Lever) (For 1/2-13 Shift Lever) (For 5/8-11 Shift Lever)	56526 56287 56286

SHIFT LEVER EXTENSION ADAPTERS

SHIFT LEVER SIZE	KNOB SIZE	Part No.
1/2-13	5/8-11	67087
3/8-24	5/8-11	67086
3/8-16	3/8-24	60646
1/2-20	5/8-11	67788

2-SPEED CONTROL SWITCH

with boot

Part No. 32861

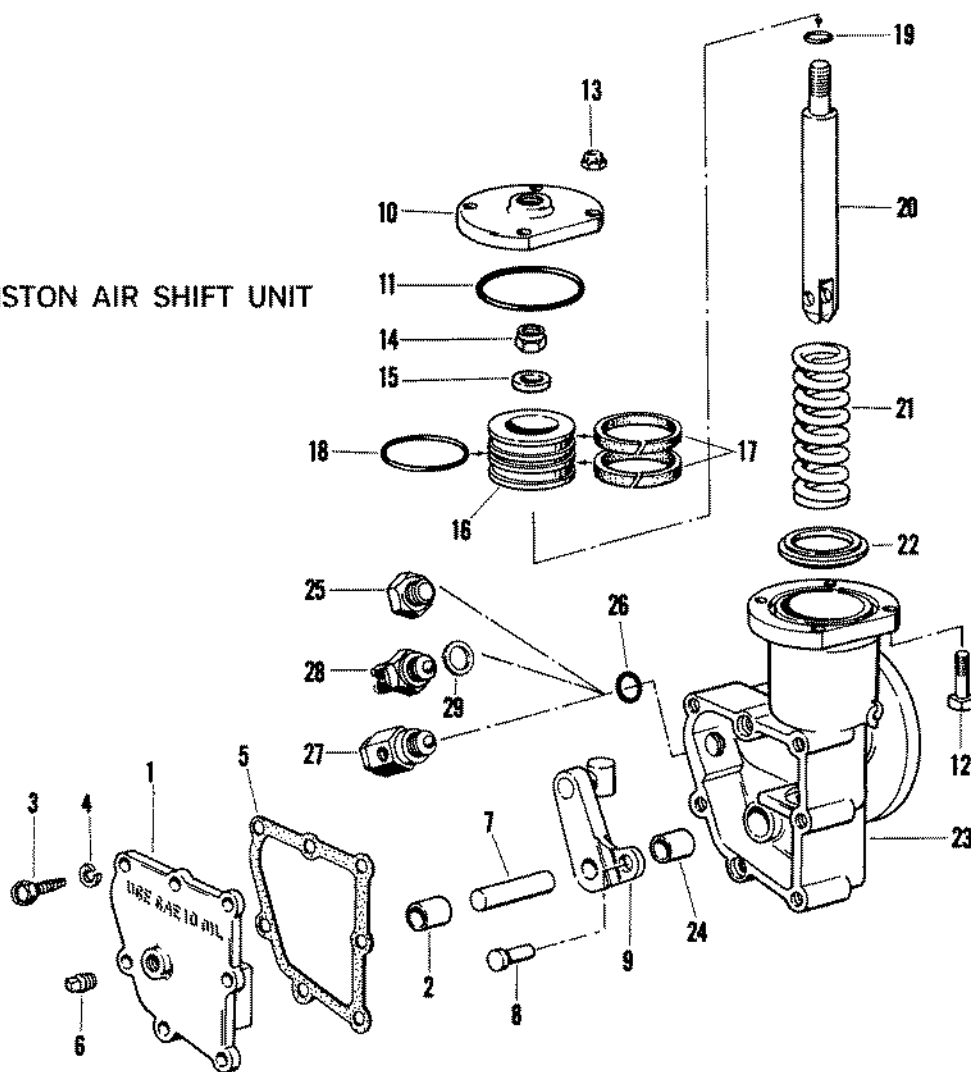
(Electric)



TYPE "B" 3-SPEED CONTROL SWITCH

Item No.	DESCRIPTION	Part No.
	Control Switch Assembly (For 3/8-24 Shift Lever) (For 1/2-13 Shift Lever) (For 5/8-11 Shift Lever)	56793 56812 55661
1	Cover	55643
2	Actuating Plate, Contact and Spring Assembly	64597
3	Shifter Knob Spring	55649
4	Shifter Knob	55646
5	Insulator, Contacts and Wiring Harness Assembly	55657
6	Base Plate (For 3/8-24 Shift Lever) (For 1/2-13 Shift Lever) (For 5/8-11 Shift Lever)	56794 56813 55614
7	Lockwasher	90425
8	Cover Screw	55656
9	Set Screw (For 3/8-24 Shift Lever) (For 1/2-13 Shift Lever) (For 5/8-11 Shift Lever)	60823 60824 60826
10	Jam Nut (For 3/8-24 Shift Lever) (For 1/2-13 Shift Lever) (For 5/8-11 Shift Lever)	56526 56287 56286

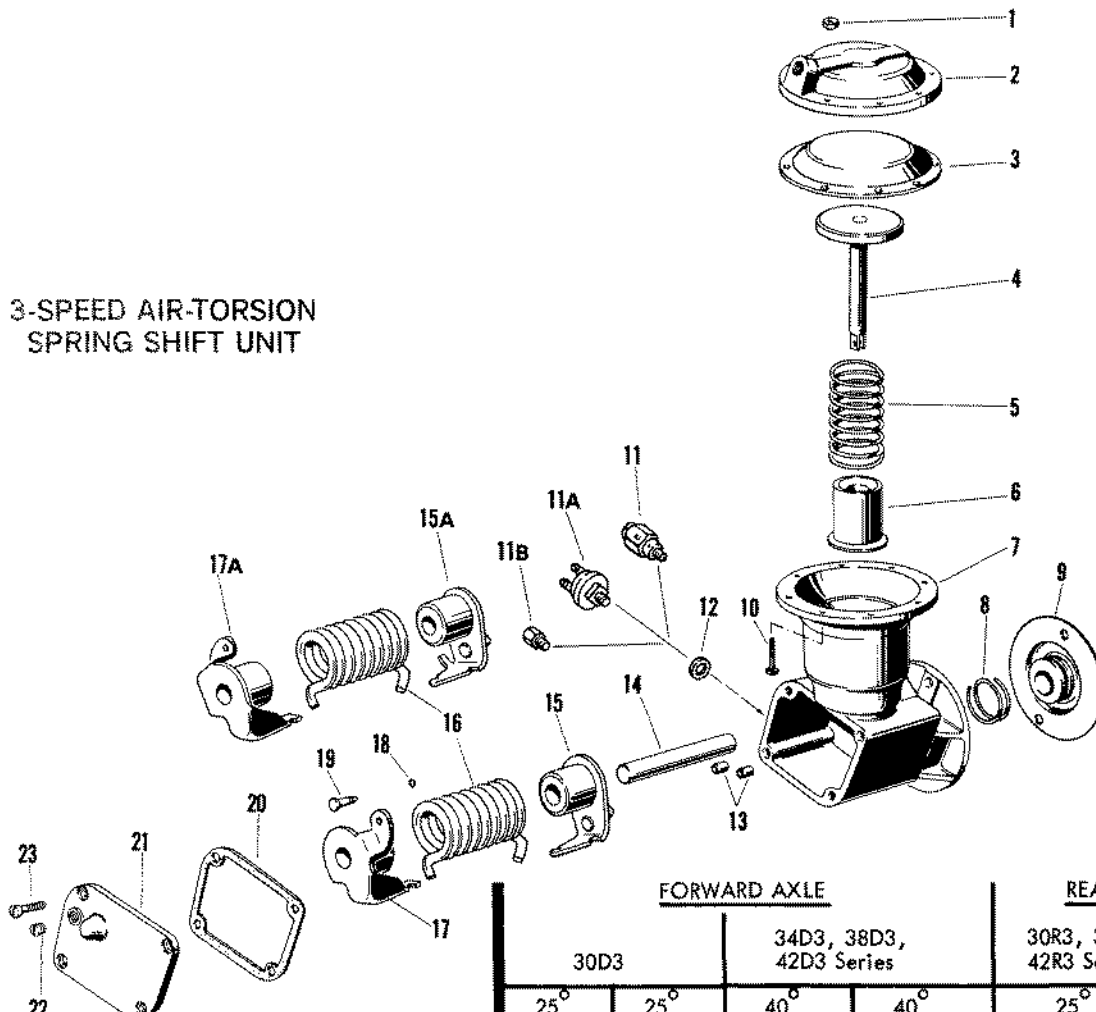
PISTON AIR SHIFT UNIT



Item No.	DESCRIPTION	Part No.
	Piston Air Shift Unit Assembly (2-Speed, Electric Over Air or Straight Air) (Forward Rear Axle)	73503
	(3-Speed, Electric Over Air) (Forward Rear Axle)	73504
	(3-Speed, Straight Air) (Forward Rear Axle)	73505
	(2 or 3-Speed, Electric Over Air or Straight Air) (Rear Rear Tandem Axle or Single Axle).	73507
1	Cover Assembly w/Bearing (Includes Item 2) (Used with 73503, 73504 and 73505 Shift Units) (Used with 73507 Shift Unit)	73486 73487
2	Cover Bearing	73481
3	Self-tapping Screw	73489
4	Lockwasher	73453
5	Cover Gasket	73488
6	Cover Plug	28325
7	Actuating Lever Pin	73456
8	Clevis Pin	73498
9	Actuating Lever, Pin and Block Assembly (Used with 73503, 73504 and 73505 Shift Units) (Used with 73507 Shift Unit)	73499 73500
10	Shift Housing Cover (Piston End)	73490
11	"O" Ring	73492

Item No.	DESCRIPTION	Part No.
12	Screw	73491
13	Lock Nut	47641
14	Lock Nut	73496
15	Washer	32825
16	Piston	73493
17	Piston Felt Oiler (Felt Strip)	32835
18	Piston "O" Ring	32832
19	Grommet	32826
20	Push Rod	73497
21	Compression Spring	73494
22	Piston Stop	73495
23	Housing Assembly w/Bearing (Includes Item 3, 4 and 24) (Used with 73503, 73504 and 73505 Shift Units) (Used with 73507 Shift Unit)	82428 82429
24	Housing Bearing	73481
25	Screw (Used with 73503 Shift Unit)	58309
26	"O" Ring	56659
27	Lockout Control Valve (Used with 73505 Shift Unit)	66483
28	Switch (Used with 73504 Shift Unit)	56658
29	Nylon Washer (Used with 56658 Switch only)	78328

3-SPEED AIR-TORSION SPRING SHIFT UNIT

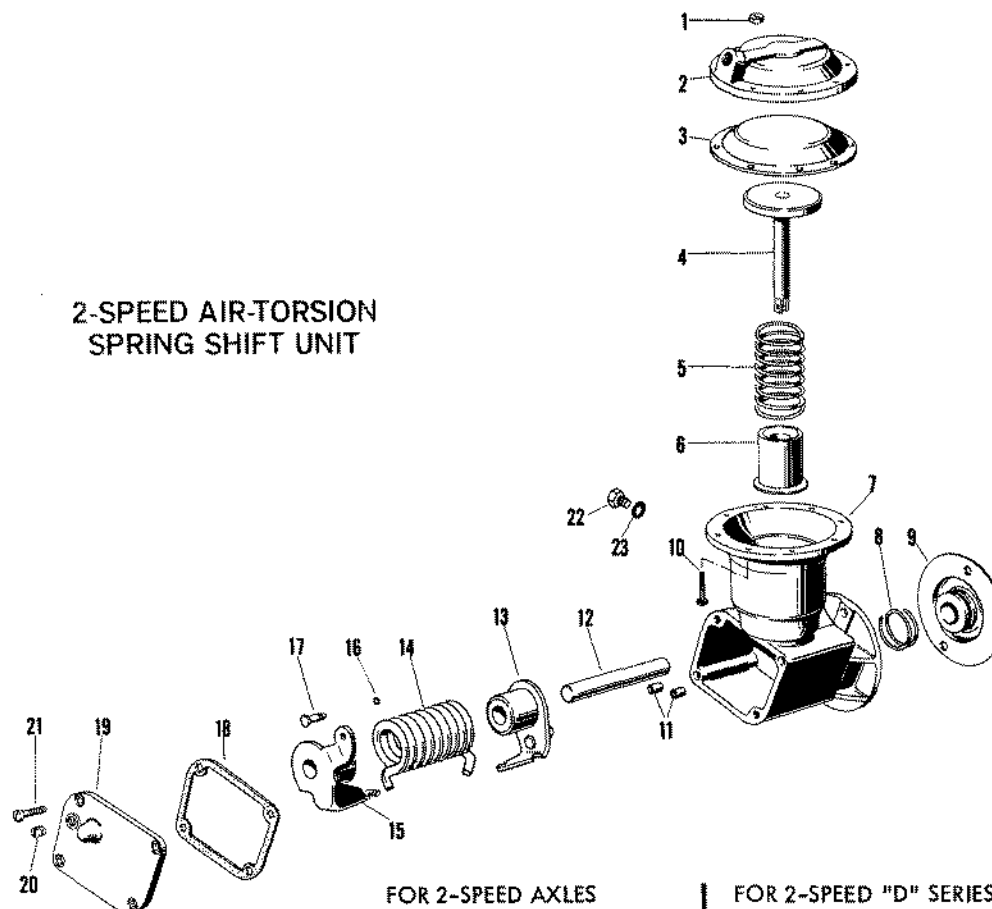


Item No.	DESCRIPTION	FORWARD AXLE				REAR AXLE	
		30D3		34D3, 38D3, 42D3 Series		30R3, 34R3, 38R3, 42R3 Series	
		25° w/Switch	25° w/Valve	40° w/Switch	40° w/Valve	25° w/o Switch or Valve	40° w/o Switch or Valve
1	Air Torsion Spring Shift Unit Assembly	56656	66836	61888	66837	47654	58298
2	Lock Nut	47641	47641	47641	47641	47641	47641
3	Diaphragm Cover	47639	47639	47639	47639	47639	47639
4	Diaphragm	47638	47638	47638	47638	47638	47638
5	Push Rod	47629	47629	47629	47629	47629	47629
6	Compression Spring	47630	47630	47630	47630	47630	47630
7	Push Rod Stop	47631	47631	47631	47631	47631	47631
8	Shift Unit Housing	56657	56657	61889	61889	47628	58299
9	Shift Fork Seal Spring	35585	35585	35585	35585	35585	35585
10	Shift Fork Seal and Spring	64085	64085	64085	64085	64085	64085
11	Screw	49973	49973	49973	49973	49973	49973
11A	Lockout Control Valve	---	66483	---	66483	---	---
11B	Switch	56658	---	56658	---	---	---
12	Plug (Not Used)	---	---	---	---	---	---
13	"O" Ring	56659	56659	56659	56659	---	---
14	Dowel Bushing	47652	47652	47652	47652	47652	47652
15	Shift Fork Actuating Lever and Spring Winding Lever Assembly w/Torsion Spring and Lever Shaft (Includes Items 14 thru 17)	---	---	82668**	82668**	---	82671*
16	Lever Shaft	32406	32406	32406	32406	32406	32406
17	Shift Fork Actuating Lever (Not used, see 15A)	---	---	---	---	---	---
15A	Shift Fork Actuating Lever Assembly	56662	56662	75832	75832	32371	74090
16	Torsion Spring	32605	32605	56662**	56662**	32605	32371*
17	Spring Winding Lever (Not used, see 17A)	---	---	74089	74089	---	74089
17A	Spring Winding Lever	47643	47643	32605**	32605**	---	32605*
18	"O" Ring	48931	48931	---	---	---	---
19	Pin and "O" Ring	48932	48932	82667	82667	47646	82670
20	Housing Cover Gasket	47651	47651	61891**	61891**	---	58301*
21	Housing Cover	47649	47649	---	---	---	---
22	Oil Level Plug	28325	28325	---	---	---	---
23	Screw	42569	42569	---	---	---	---

* These parts, of original design, will not interchange with their corresponding new parts. When ordering replacement parts for any or all of these part numbers, order Assembly Part Number 82671.

** The same note above applies except use Part Number 82668.

2-SPEED AIR-TORSION SPRING SHIFT UNIT



FOR 2-SPEED AXLES

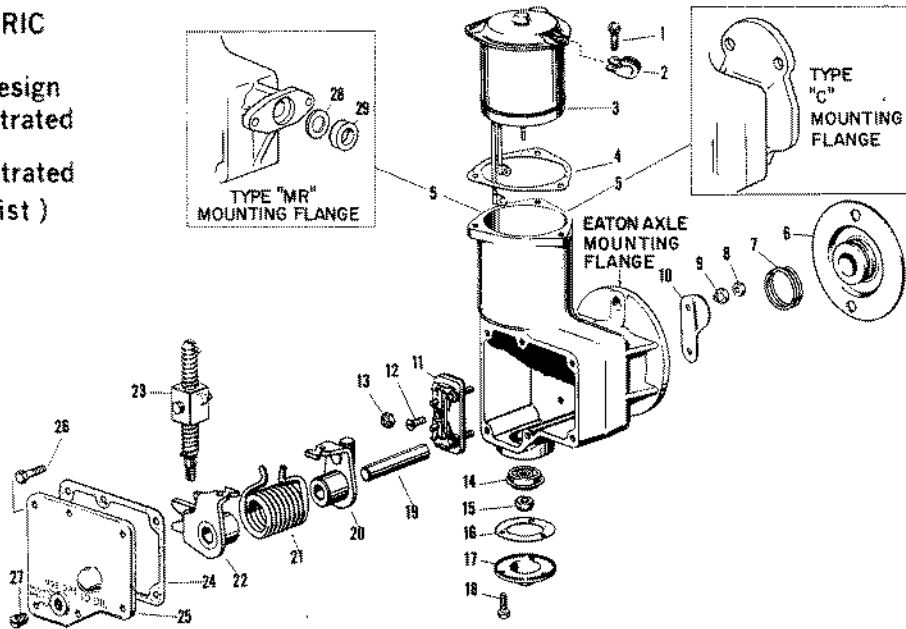
FOR 2-SPEED "D" SERIES TANDEM AXLES

Item No.	DESCRIPTION	FOR 2-SPEED AXLES		FOR 2-SPEED "D" SERIES TANDEM AXLES					
				FORWARD AXLE			REAR AXLE		
		13800, 13802, 17200 17201, 17220, 17221 17800, 17801, 19200 19201, 19220, 19221 19502, 19503, 19800 19801	16220, 16221, 16802 16803, 18200, 18201 18220, 18221, 18802 18803, 20200, 20220 20502, 20503, 20800 20801	30DT	34DT, 38DT 42DT Series		30RT, 34RT 38RT, 42RT Series		
		25°	40°	25°	25°	40°	25°	40°	
1	Air Torsion Spring Shift Unit Assembly	47654	58298	58381	47653	62145	47654	58298	
2	Lock Nut	47641	47641	47641	47641	47641	47641	47641	
3	Diaphragm Cover	47639	47639	47639	47639	47639	47639	47639	
4	Diaphragm	47638	47638	47638	47638	47638	47638	47638	
5	Push Rod	47629	47629	47629	47629	47629	47629	47629	
6	Compression Spring	47630	47630	47630	47630	47630	47630	47630	
7	Push Rod Stop	47631	47631	47631	47631	47631	47631	47631	
8	Shift Unit Housing	47628	58299	56657	47627	61889	47628	58299	
9	Shift Fork Seal	35585	35585	35585	35585	35585	35585	35585	
10	Shift Fork Seal and Spring	64085	64085	64085	64085	64085	64085	64085	
11	Screw	49973	49973	49973	49973	49973	49973	49973	
12	Dowel Bushing	47652	47652	47652	47652	47652	47652	47652	
13	Shift Fork Actuating Lever and Spring Winding Lever Assembly with Torsion Spring and Lever Shaft (Includes item 12 thru 15)	---	82671*	---	---	82668**	---	82671*	
14	Lever Shaft	32406	32406	32406	32406	32406	32406	32406	
15	Shift Fork Actuating Lever Assembly.	32371	74090	56662	32371	75832	32371	74090	
16	Torsion Spring	---	32371*	---	---	56662**	---	32371*	
17	Spring Winding Lever Assembly. . .	32605	74089	32605	32605	74089	32605	74089	
18		---	32605*	---	---	32605**	---	32605*	
19		47646	82670	47643	47643	82667	47646	82670	
20		---	58301*	---	---	61891**	---	58301*	
21	"O" Ring	48931	48931	48931	48931	48931	48931	48931	
22	Pin and "O" Ring	48932	48932	48932	48932	48932	48932	48932	
23	Housing Cover Gasket	47651	47651	47651	47651	47651	47651	47651	
24	Housing Cover	47650	47650	47649	47649	47649	47650	47650	
25	Oil Level Plug.	28325	28325	28325	28325	28325	28325	28325	
26	Screw	42569	42569	42569	42569	42569	42569	42569	
27	Plug (To Plug Switch Hole).	---	---	58309	---	58309	---	---	
28	"O" Ring	---	---	56659	---	56659	---	---	

* These parts, of original design, will not interchange with their corresponding new parts. When ordering replacement parts for any or all of these part numbers, order Assembly Part Number 82671.

** The same note above applies, except use Part Number 82668.

2-SPEED ELECTRIC
SHIFT UNIT
Insulator switch design
for Type "A" illustrated
Type "B" not illustrated
(Refer to Parts List)



Item No.	DESCRIPTION	EATON AXLE MODELS			Mounting Flange (Type MR) Item 5			Mounting Flange (Type C) Item 5
		1350 thru 16000 Series	17000 thru 20000 Series	22500 22501	Casting No. 38028	Casting No. 38041	Casting No. 43479	Casting No. 65346
		PART NUMBERS						
	Electric Shift Unit Assembly 24 Volt	---	41340	---	---	---	---	---
	Type A 12 Volt	41058	41059	41056	41061	41063	43477	69881
	6 Volt	41054	41055	41057	41060	41062	43478	---
	Type B 12 Volt	62125	62126	---	---	63999	64001	---
1	Screw	42568	42568	42568	42568	42568	42568	42568
2	Motor Cable-Clip	32410	32410	32410	32410	32410	32410	32410
3	Motor Assembly 24 Volt	---	40638	---	---	---	---	---
	12 Volt	40635	40635	40637	40635	40635	40635	40635
	6 Volt	40634	40634	40636	40634	40634	40634	40634
4	Motor Gasket	40639	40639	40639	40639	40639	40639	40639
5	Shift Unit Housing Type A	32394	32394	33880	43092	43093	43439	65346
	Type B	62254	62254	---	---	43093	43439	---
6	Shift Fork Seal and Spring	64085	64085	35583	---	---	---	---
7	Seal Spring	35585	35585	35585	---	---	---	---
8	Lock Nut (Outside)	32399	32399	32399	32399	32399	32399	32399
9	Insulator Bushing Type A	52504	52504	52504	52504	52504	52504	62255
	Type B	66577	66577	---	---	66577	66577	---
10	Insulator Type A	38315	38315	38317	38316	38316	38316	---
	Type B	---	---	---	---	---	---	---
11	Automatic Switch (Includes terminal screws and base gasket) Type A	32382	32382	33889	32382	32382	32382	62252
	Type B	62252	62252	---	---	32382	32382	---
12	Screw	42572	42572	42572	42572	42572	42572	42572
13	Terminal Lock Nut (Inside)	32674	32674	32674	32674	32674	32674	32674
14	Drive Screw Bearing	32401	32401	32401	32401	32401	32401	32401
15	Lock Nut	32402	32402	32402	32402	32402	32402	32402
16	Bearing Cover Gasket	32404	32404	32404	32404	32404	32404	32404
17	Bearing Cover	32403	32403	32403	32403	32403	32403	32403
18	Screw	42568	42568	42568	42568	42568	42568	42568
19	Lever Shaft	32406	32406	32406	38127	38127	38127	32406
	Spring Winding and Actuating Levers, and Torsion Spring Assembly, (Includes item 20 thru 22)	32771	32772	33903	43090	43090	43090	32771
20	Shift Fork Actuating Lever Assembly	32371	32371	33897	38035	38035	38035	32371
21	Torsion Spring	32405	32605	33902	43089	43089	43089	32405
22	Spring Winding Lever Assembly	32377	32377	33900	---	---	---	32377
23	Drive Screw Assembly	32364	32364	33891	32364	32364	32364	32364
24	Housing Cover Gasket	32414	32414	33892	38031	38031	38031	32414
25	Housing Cover	32569	32569	33881	38030	38030	38728	32569
26	Screw	42568	42568	42568	42568	42568	42568	42568
27	Cover Pipe Plug	28325	28325	28325	28325	28325	28325	28325
28	Rubber Washer	---	---	---	38699	38699	38699	---
29	Housing Insert	---	---	---	43091	43091	43438	---
	Washer, Spring to Housing Cover	---	---	---	---	---	39731	---
(Not Illustrated)								

for **DEPENDABILITY**
and **LONG LIFE**