

coach chassis maintenance manual and parts catalog

body no. _____

chassis no. _____

I N T R O D U C T I O N

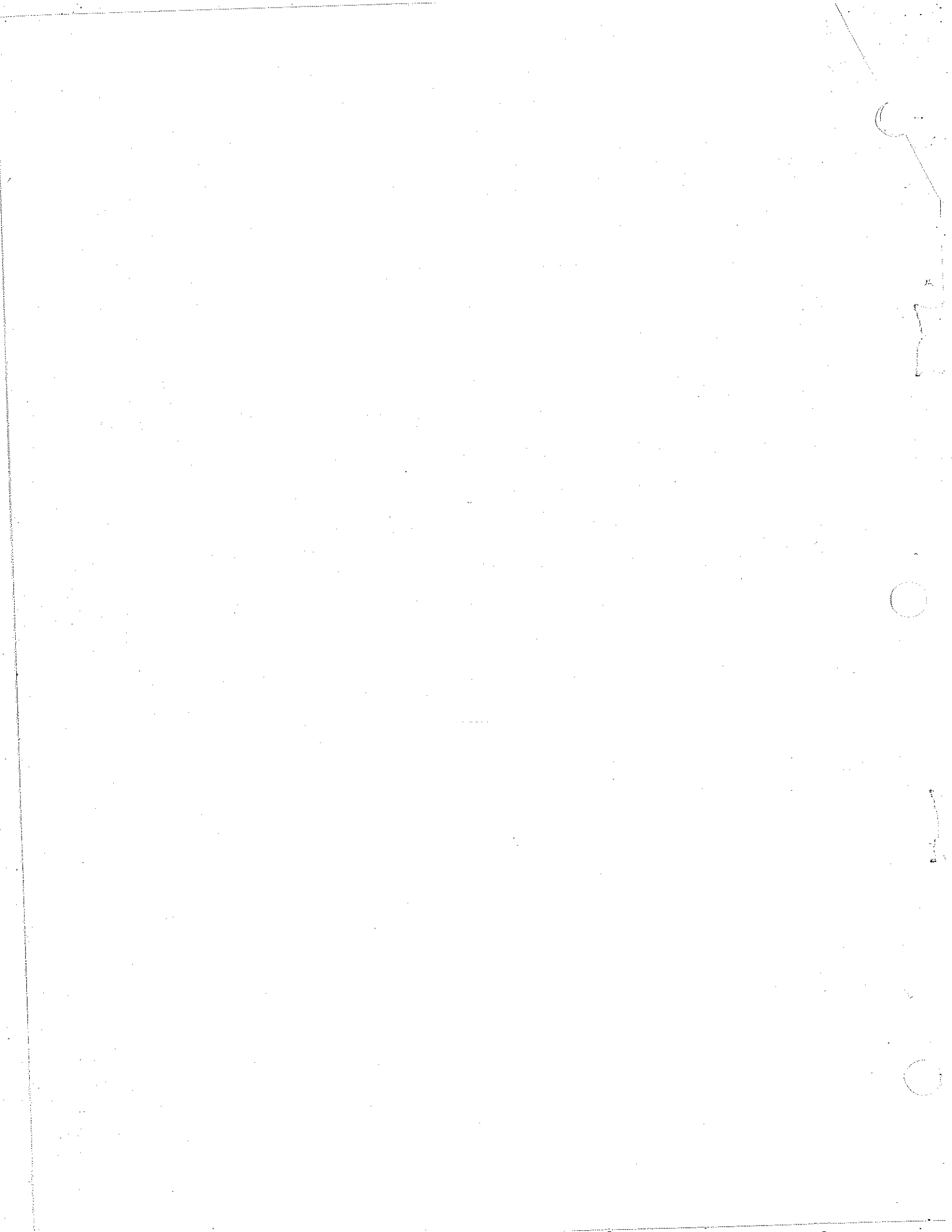
THANK YOU FOR THE CONFIDENCE YOU HAVE SHOWN IN OUR COMPANY BY PURCHASING A BLUE BIRD PRODUCT. WITH ANY AUTOMOTIVE PRODUCT, TIMELY PREVENTATIVE MAINTENANCE GREATLY LENGTHENS THE LIFE OF THE PRODUCT. EVEN WITH THE BEST POSSIBLE PREVENTATIVE MAINTENANCE PROGRAM, ON OCCASION, IT WILL BE NECESSARY TO PERFORM REPAIRS.

THIS CATALOG IS DESIGNED TO ASSIST YOU WITH SERVICING AND MAINTAINING YOUR BLUE BIRD. IT CONTAINS MAINTENANCE INSTRUCTIONS AND PARTS INFORMATION. MOST PARTS AND ACCESSORIES ARE ILLUSTRATED. IN CASES WHERE THE PART IS A COMMON AUTOMOTIVE ITEM, THE NAME OF THE MANUFACTURER AND HIS PART NUMBER IS ALSO LISTED.

WE HAVE NOT ATTEMPTED TO CATALOG THE MANY ENGINE PARTS BECAUSE YOUR ENGINE IS STANDARD AND THE PARTS WILL BE READILY AVAILABLE AT YOUR LOCAL DEALER. OTHER CHASSIS PARTS ARE COMMON TRUCK PARTS BUT THEY ARE NOT ALWAYS THE SAME AS THE ENGINE MAKE, SO WE ADVISE YOU TO CHECK THIS MANUAL CAREFULLY TO FIND THE MANUFACTURER OF THE PART YOU WANT.

IF AT ANY TIME YOU SHOULD REQUIRE ASSISTANCE, PLEASE DO NOT HESITATE TO CONTACT YOUR BLUE BIRD DISTRIBUTOR OR THE:

PARTS SALES AND SERVICE DEPARTMENT
BLUE BIRD BODY COMPANY
P.O. BOX 937
FORT VALLEY, GEORGIA 31030



ORDERING INSTRUCTIONS

EACH PART ON YOUR ORDER SHOULD BEAR THE APPROPRIATE PART NUMBER AND MANUFACTURER AND THE NUMBER YOU WILL REQUIRE.

Body and Chassis Data:

It is easy to get the parts you want. To make our service better, we ask you to follow a few simple rules:

Tell Us,

1. Your body serial number
2. Your chassis serial number
3. The model, year and size of your unit
4. Engine make and model
5. Model number of axle if axle parts are ordered

All of the above data can be found on the data plates located in the front upper right hand corner of the interior of your forward control coach.

Method of Shipment:

Unless instructions are specifically made on your parts order, parts will be shipped by the least expensive way. If unusual speed is required, give adequate shipping instructions. Parts and accessories will be crated or boxed at the option of Blue Bird Body Company to insure proper protection of goods in transit. Special packing at customer's directions may necessitate additional charges.

Payment:

All parts orders are delivered on a C.O.D. basis unless other arrangements have been made with our credit department. This policy is customary in the automotive field.

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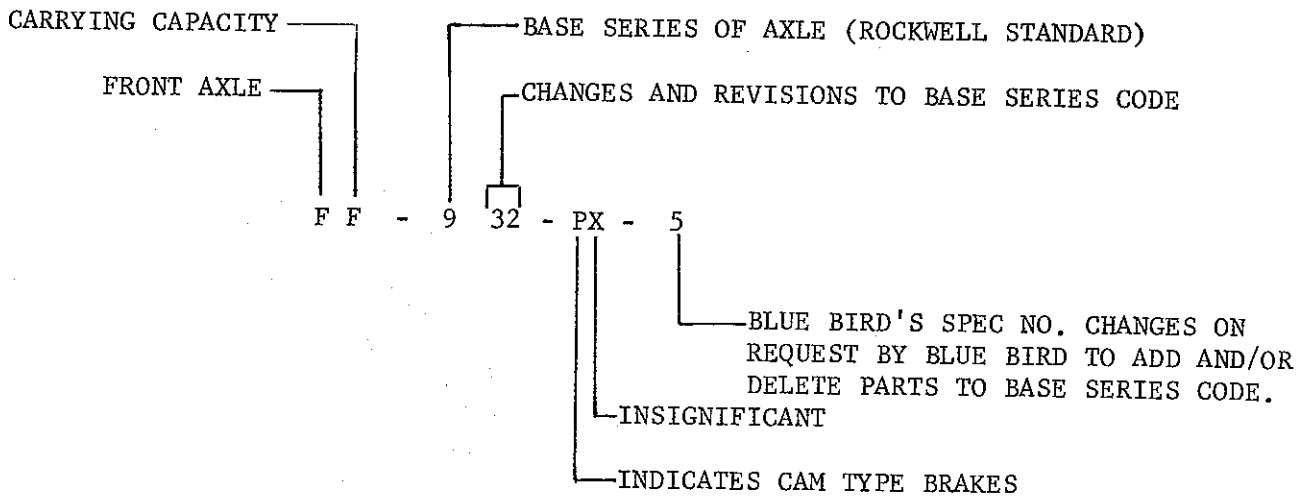
AXLES - ROCKWELL STANDARD FRONT

Rockwell Standard Front Axles are used exclusively on Blue Bird Chassis.

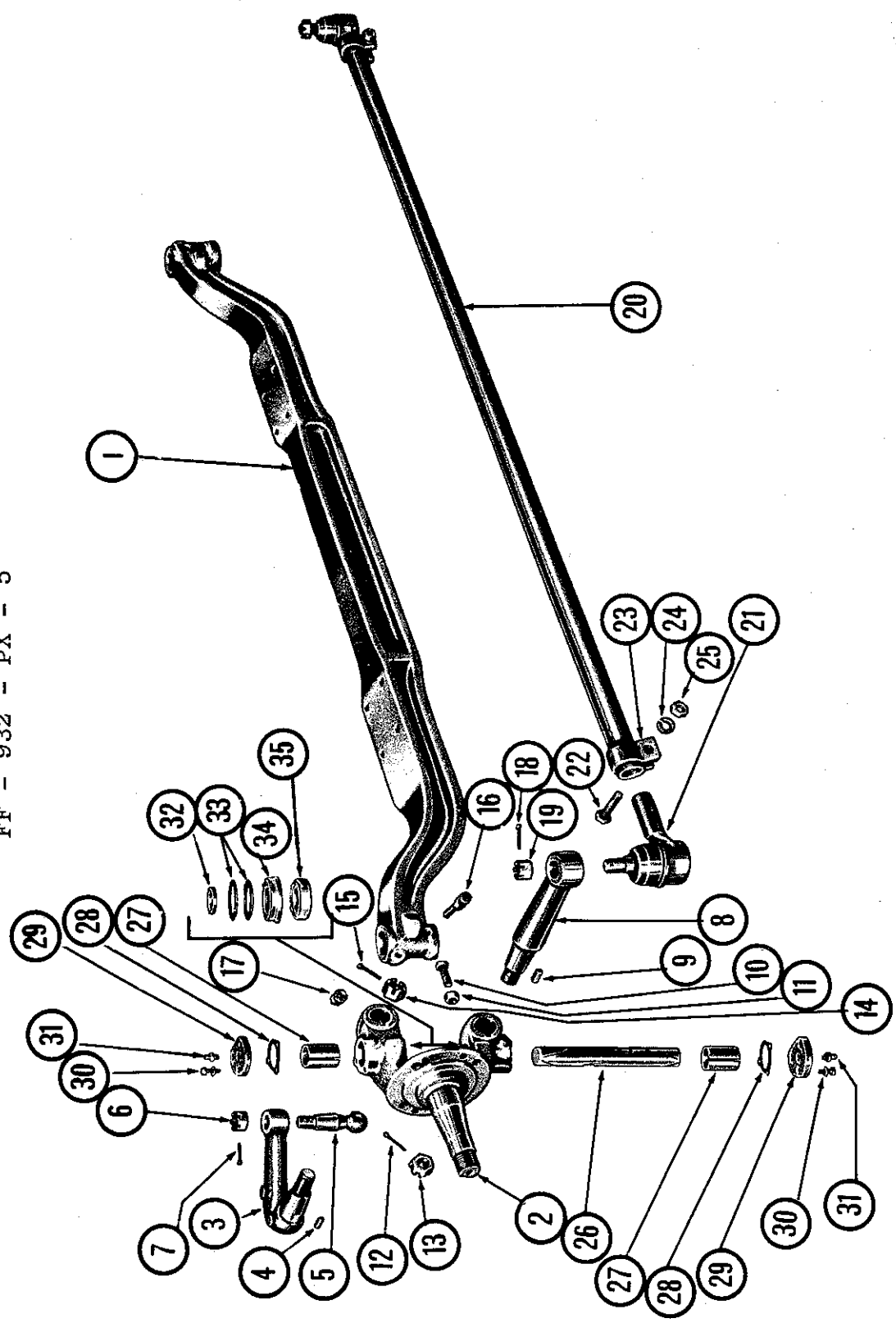
Illustrations, parts list, and field maintenance manuals are included to aid you in servicing, maintaining, and ordering replacement parts.

WHEN ORDERING PARTS ALWAYS GIVE THE BODY SERIAL NUMBER, CHASSIS NUMBER, CHASSIS SERVICE NUMBER, PART NUMBER OF EACH PART AND COMPLETE DESCRIPTION.

The following chart shows the significance of axle numbers.



FRONT AXLE
 FF - 932 - PX - 3
 FF - 932 - PX - 4
 FF - 932 - PX - 5



FRONT AXLE

FF-932-PX-3
 FF-932-PX-4
 FF-932-PX-5

KEY NO.	PART NO.	PART NAME	QTY.
1	3100-G-6091	Axle Center	1
2	A2-3111-U-2361	Steering Knuckle & Bushing Ass'y., LH	1
NI	A2-3111-R-2358	Steering Knuckle & Bushing Ass'y., RH	1
3	3133-C-4969	Steering Arm	1
4	16-X-204	Steering Arm Key	1
5	2110-Y-103	Steering Arm Ball 1 3/4" Dia.	1
6	N-214-1	Steering Arm Ball Nut	1
7	K-2412	Pin, Cotter	1
8	3133-K-999	Arm, Cross Tube, LH	1
NI	3133-J-998	Arm, Cross Tube, RH	1
9	16-X-204	Key, Cross Tube, Arm	2
10	26-X-219	Screw, Stop	2
11	N-48-1	Nut, Lock	2
12	K-2616	Pin, Cotter	2
13	14-X-27	Nut, Cross Tube Arm	2
14	14-X-27	Nut, Steering Arm	1
15	K-2412	Pin, Cotter	1
16	*7-X-112	Key, Draw (Upper)	2
NI	*7-X-111	Key, Draw (Lower)	2
17	1227-Z-780	Nut, Draw Key	4
18	K-2412	Pin, Cotter	2
19	14-X-27	Nut, Tie Rod End	2
20	A1-3102-Y-3457	Cross Tube, Clamp & End Ass'y.	1
NI	A-3102-Y-3457	Cross Tube, & Clamp Ass'y.	1
21	A-3144-N-456	End Ass'y. Steering Cross Tube, LH	1
NI	A-3144-P-458	End Ass'y. Steering Cross Tube, RH	1
22	S-11022-C	Bolt, Steering Cross Tube Clamp	2
23	2257-Q-17	Clamp, Steering Cross Tube	2
24	WA-110	Lockwasher, Cross Tube Clamp	2
25	N-710-C	Nut, Cross Tube Clamp	2
26	*3101-W-179	Pin, Knuckle	2
27	*1225-D-836	Bushing, (Bronze), Knuckle Pin	4
28	*2208-Q-823	Gasket	4
29	*2297-C-2681	Cap, Steering Knuckle	4
30	*S-259-1	Capscrew	12
NI	*1229-E-1669	Lockwasher	12
31	1199-N-1860	Fitting, Lubrication	4
NI	Kit 195	Repair Kit, Knuckle Pin & Bushing	1
32	*A-1205-X-1428	Seal, Upper Ass'y.	4
33	*2203-L-3002	Shim, Steering Knuckle Spacing - .005"	AR
33	*2203-K-3001	Shim, Steering Knuckle Spacing - .010"	AR
34	*A-1205-B-1432	Seal & Gasket Ass'y. Lower	2
35	*T-182	Thrust Bearing & Gasket Ass'y.	2

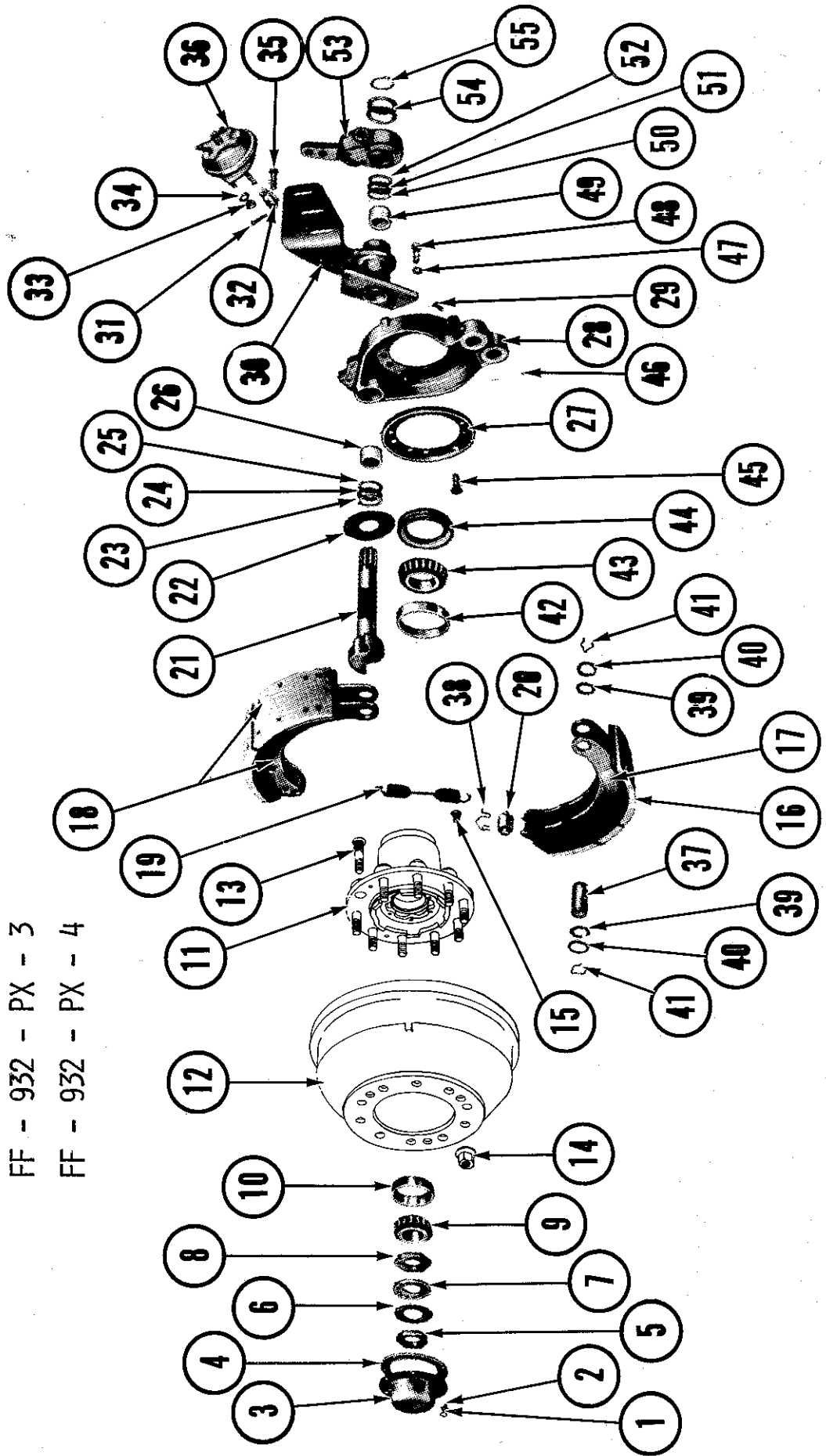
*These Parts Supplied in a Repair Kit.

AR = As Required

FRONT AIR BRAKE GROUP

FF - 932 - PX - 3

FF - 932 - PX - 4



FRONT AIR BRAKE GROUP

FF-932-PX-3

KEY NO.	PART NO.	PART NAME	QTY.
1	S-256-1	Capscrew, Hub Cap	12
2	1229-E-1669	Lockwasher, Hub Capscrew	
3	3262-A-53	Cap, Front Hub	2
4	2208-M-819	Gasket, Front Hub Cap	2
5	1227-B-106	Jam Nut, Outer Wheel Bearing	2
6	1229-F-474	Lock, Outer Wheel Bearing	2
7	1229-G-475	Lockring, Outer Wheel Bearing Adjusting Nut	2
8	1227-U-541	Adjusting Nut, Wheel Bearing	2
9	3782	Bearing Ass'y., Front Wheel (Outer)	2
10	3720	Cup, Outer	2
11	A-333-E-2397	Hub & Cup Ass'y.	2
12	3219-F-3568	Drum, Brake, Front 16 1/2" x 5"	2
13	20-X-1357	Bolt, Lug, LH Front	10
NI	20-X-1356	Bolt, Lug, RH Front	10
14	1199-M-117	Nut, Lug, LH Front	10
NI	1199-N-118	Nut, Lug, RH Front	10
15	S-788-S	Screw, Machine, Drum to Hub	10
NI	BF-4524-BD	Kit, Brake Lining 5"	1
NI	10 / 10	Rivet, Brake Lining	64
NI	A-3722-D-82	Shoe-Only, Brake	4
NI	A16-3722-D-82	Shoe & Lining Ass'y.	4
19	2258-U-619	Spring, Brake Shoe Return	2
20	1779-R-18	Roller, Brake Shoe	4
21	2210-Q-3735	Camshaft, LH Brake	1
NI	2210-R-3736	Camshaft, RH Brake	1
22	1229-L-844	Waher, Camshaft	2
23	1705-D-290	Retainer, Felt Seal	8
24	1779-J-1024	Felt Seal, Brake Spider	8
25	1229-W-1557	Washer, Brake Spider	2
26	1225-U-827	Bushing, Anchor Pin, Metal	4
NI	3286-Y-441	Oil Slinger, Wheel Bearing, RH	1
NI	3286-J-348	Oil Slinger, Wheel Bearing, LH	1
27	A1-3211-A-2289	Brake Spider, Bushing & Oil Seal Ass'y., LH	1
28	A1-3211-B-2290	Brake Spider Bushing & Oil Seal Ass'y., RH	1
NI	SD-266-1	Set Screw, Anchor Pin Upper	4
29	A62-3299-K-2013	Bracket Ass'y., LH Camshaft & Chamber	1
30	A62-3299-L-2014	Bracket Ass'y., RH Camshaft & Chamber	1
31	K-238	Pin, Cotter	2
32	1245-C-185	Yoke, Brake Chamber Push Rod Clevis	2
33	214526	Nut, Brake Chamber Stud (Bendix Westinghouse)	4
34	WA-110	Lockwasher, Brake Chamber	4
35	19-X-60	Pin, Brake Chamber Yoke, Clevis	2
36	287705	Chamber Ass'y., Air Brake 24" (Bendix Westinghouse)	2
37	1259-Q-251	Pin, Brake Shoe Anchor	4
38	1718-Y-103	Spring, Brake Shoe Roller Retainer	4
39	5-X-640	Felt Seal, Anchor Pin	8

FRONT AIR BRAKE GROUP

FF-932-PX-3

<u>KEY NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>
40	1205-K-193	Retainer, Anchor Pin Felt	8
41	1229-X-1116	Spring, Anchor Pin Retainer	8
42	HM-212011	Cup, Wheel Bearing Inner	2
43	HM-212049	Bearing, Front Wheel Inner	2
44	A-1205-L-1338	Oil Seal, Wheel Bearing	2
45	S-21016-1	Bolt, Oil Slinger	14
NI	NL-210-1	Nut	14
NI	1229-W-1557	Washer	28
46	SD-266-1	Setscrew Anchor Pin	4
NI	LW-1912	Lockwire	2
47	WA-18	Lockwasher	8
48	S-2810	Capscrew, Spider/Bracket	8
49	1225-N-378	Bushing, Camshaft	2
50	1229-Q-771	Washer, Camshaft	2
51	1705-H-294	Felt Seal, Camshaft	2
52	NOT APPLICABLE	Retainer, Camshaft Felt Seal	
53	A69-3275-G-501	Slack Adjuster	2
54	1229-R-122	Spacer, Washer	AR
55	1229-Z-1302	Snpring, Camshaft Locking	2

FRONT AIR BRAKE GROUP

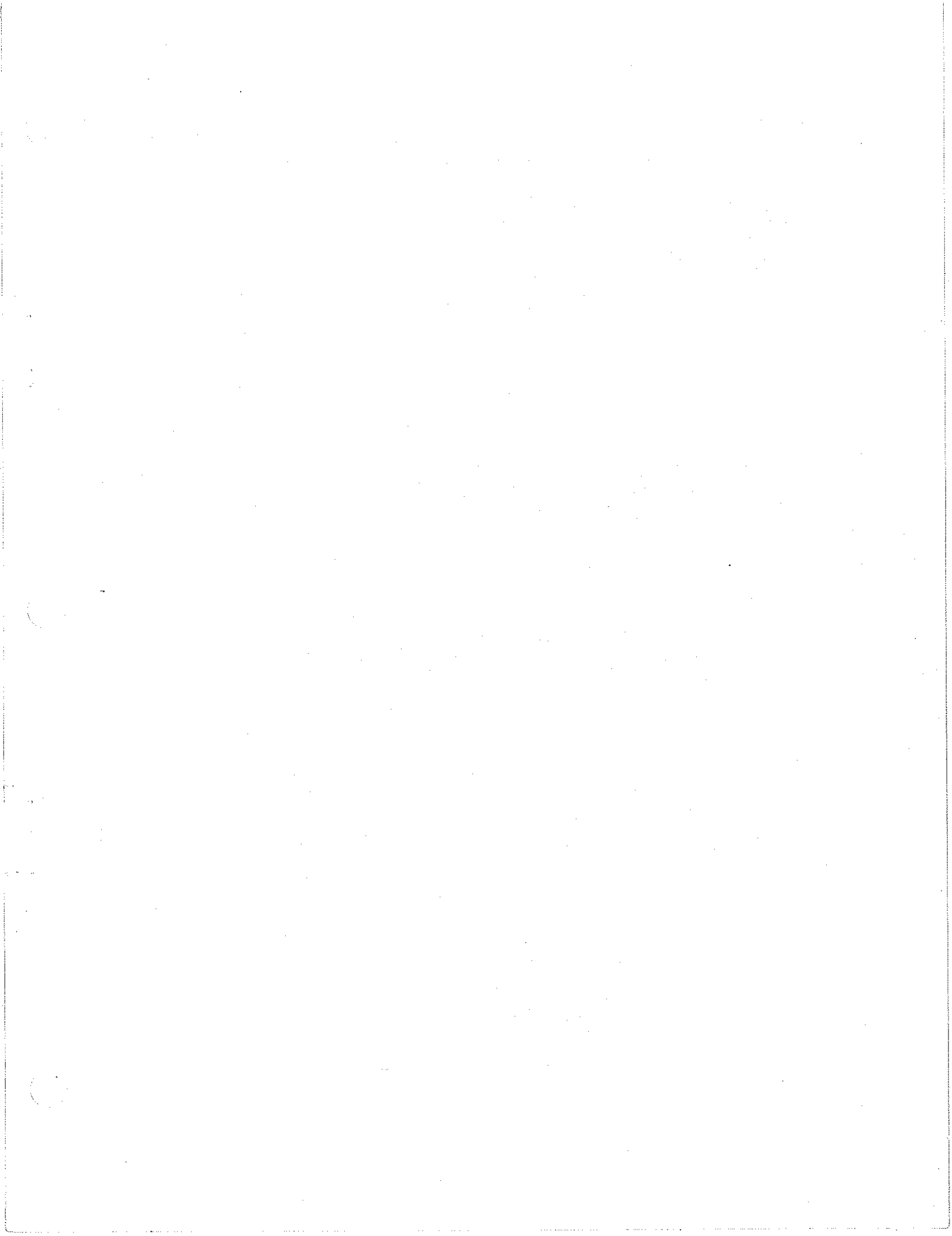
FF-932-PX-4

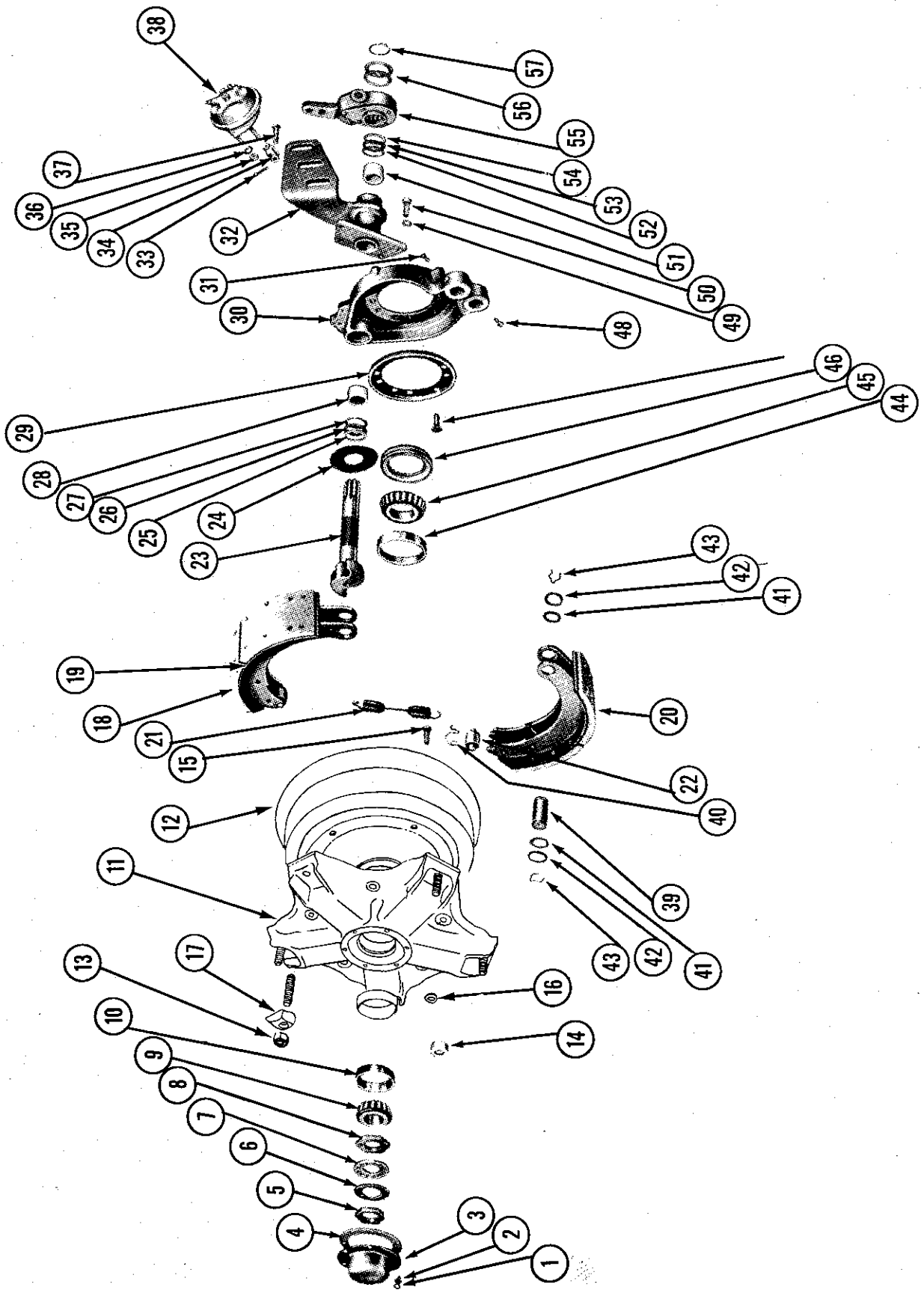
KEY NO.	PART NO.	PART NAME	QTY.
1	S-256-1	Capscrew, Hub Cap	12
2	1229-E-1669	Lockwasher, Hub Capscrew	
3	3262-A-53	Cap, Front Hub	2
4	2208-M-819	Gasket, Front Hub Cap	2
5	1227-B-106	Jam Nut, Outer Wheel Bearing	2
6	1229-F-474	Lock, Outer Wheel Bearing	2
7	1229-G-475	Lockring, Outer Wheel Bearing Adjusting Nut	2
8	1227-U-541	Adjusting Nut, Wheel Bearing	2
9	3782	Bearing Ass'y., Front Wheel (Outer)	2
10	3720	Cup, Outer	2
11	A-333-E-2397	Hub & Cup Ass'y.	2
12	3219-C-4007	Drum, Brake, Front 16 1/2 x 6	2
13	20-X-1357	Bolt, Lug, LH Front	10
NI	20-X-1356	Bolt, Lug, RH Front	10
14	1199-M-117	Nut, Lug, LH Front	10
NI	1199-N-118	Nut, Lug, RH Front	10
15	S-788-S	Screw, Machine, Drum to Hub	10
NI	BF-4514-GD	Kit, Brake Lining 6"	1
NI	10 / 10	Rivet, Brake Lining-Wagner #10/10	64
NI	A-3722-L-64	Shoe-Only, Brake	4
NI	A21-3722-L-64	Shoe & Lining Ass'y.,	4
19	2258-U-619	Spring, Brake Shoe Return	2
20	1779-R-18	Roller, Brake Shoe	4
21	2210-Q-3735	Camshaft, LH Brake	1
NI	2210-R-3736	Camshaft, RH Brake	1
22	1229-L-844	Washer, Camshaft	2
23	1705-D-290	Retainer, Felt Seal	8
24	1779-J-1024	Felt Seal, Brake Spider	8
25	1229-W-1557	Washer, Brake Spider	2
26	1225-U-827	Bushing, Anchor Pin Metal	4
NI	3286-Y-441	Oil Slinger, Wheel Bearing, RH	1
27	3286-J-348	Oil Slinger, Wheel Bearing, LH	1
28	A1-3211-A-2289	Brake Spider, Bushing & Oil Seal Assy., LH	1
NI	A1-3211-B-2290	Brake Spider, Bushing & Oil Seal Assy., RH	1
29	SD-266-1	Set Screw, Anchor Pin Upper	4
30	A62-3299-K-2013	Bracket Ass'y., LH Camshaft & Chamber	1
NI	A62-3299-L-2014	Bracket Ass'y., RH Camshaft & Chamber	1
31	K-238	Pin, Cotter	2
32	1245-C-185	Yoke, Brake Chamber Push Rod Clevis	2
33	214526	Nut, Brake Chamber Stud (Bendix Westinghouse)	4
34	WA-110	Lockwasher, Brake Chamber	4
35	19-X-60	Pin, Brake Chamber Yoke, Clevis	2
36	287705	Chamber Ass'y., Air Brake 24" (Bendix Westinghouse)	2
37	1259-Q-251	Pin, Brake Shoe Anchor	4
38	1718-Y-103	Spring, Brake Shoe Roller Retainer	4
39	5-X-640	Felt Seal, Anchor Pin	8

FRONT AIR BRAKE GROUP

FF-932-PX-4

<u>KEY NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>
40	1205-K-193	Retainer, Anchor Pin Felt	8
41	1229-X-1116	Spring, Anchor Pin Retainer	8
42	HM-212011	Cup, Wheel Bearing Inner	2
43	HM-212049	Bearing, Front Wheel Inner	2
44	A-1205-L-1338	Oil Seal, Wheel Bearing	2
45	S-21016-1	Bolt, Oil Slinger	14
NI	NL-210-1	Nut	14
NI	1229-W-1557	Washer	28
46	SD-266-1	Setscrew Anchor Pin	4
NI	LW-1912	Lockwire	2
47	WA-18	Lockwasher	8
48	S-2810	Capcrew, Spider/Bracket	8
49	1225-N-378	Bushing, Camshaft	2
50	1229-Q-771	Washer, Camshaft	2
51	1705-H-294	Felt Seal, Camshaft	2
52	NOT APPLICABLE	Retainer, Camshaft Felt Seal	
53	A69-3275-G-501	Slack Adjuster	2
54	1229-R-122	Spacer, Washer	AR
55	1229-Z-1302	Snapring, Camshaft Locking	2





FRONT AIR BRAKE GROUP

FF-932-PX-5

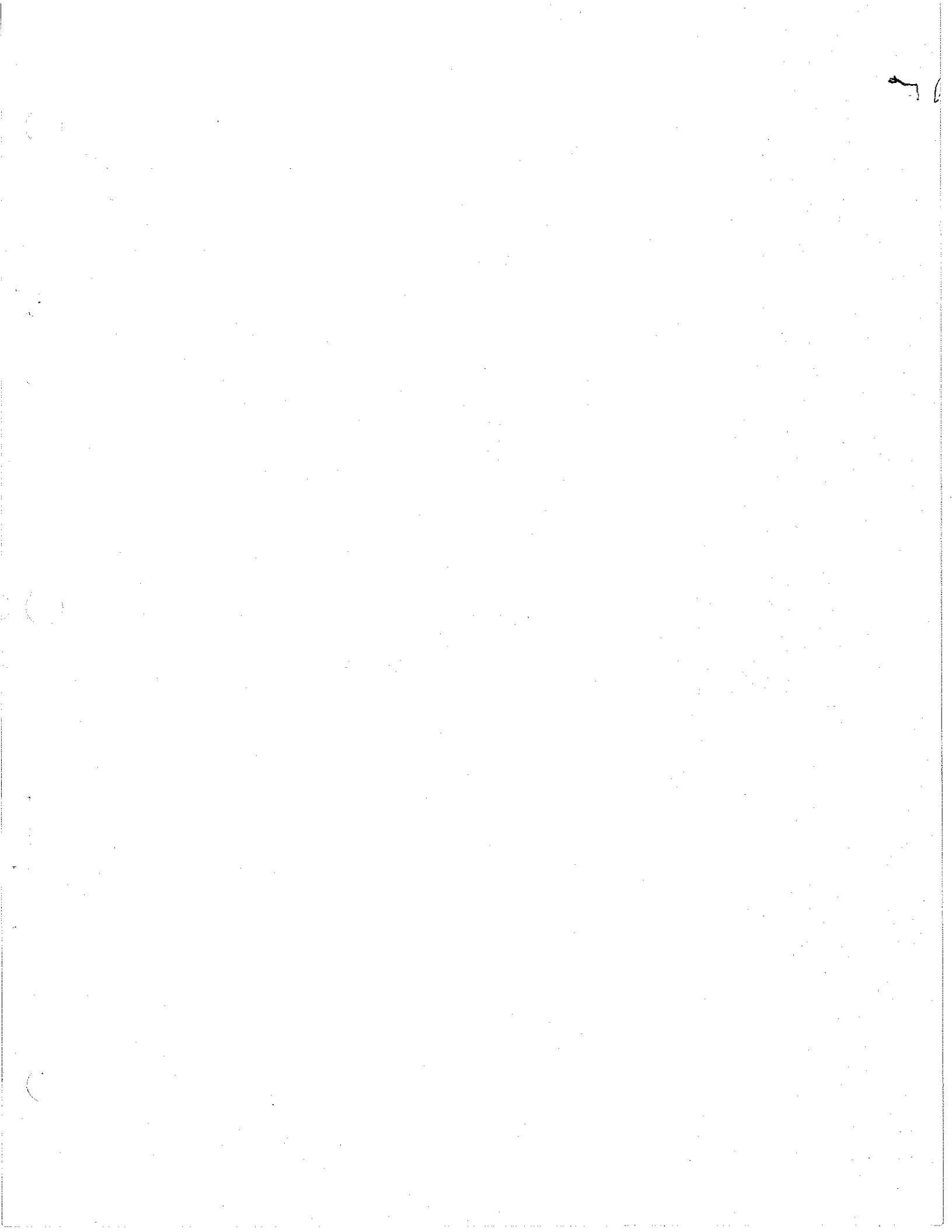
KEY NO.	PART NO.	PART NAME	QTY.
*1	WP-5	Capscrew, Hub Cap 5/16-18 x 1" (BB# 2000164)	12
*2	WP-593-05	Lockwasher, Hub Capscrew 5/16" (BB# 2001188)	12
*3	WP-575	Cap, Front Hub	2
*4	WP-178	Gasket, Front Hub	2
5	1227-B-106	Jam Nut, Outer Wheel Bearing	2
6	1229-F-474	Lock, Outer Wheel Bearing	2
7	1229-G-475	Lockring, Outer Wheel Bearing Adjusting Nut	2
8	1227-U-541	Adjusting Nut, Wheel Bearing	2
9	3782	Bearing Ass'y., Front Wheel (Outer)	2
10	3720	Cup, Outer	2
*11	FA-670	Wheel Ass'y., 6 Spoke	2
*12	3039	Drum, Brake, Front 16 1/2 x 5"	2
*13	WP-148	Nut, Wheel to Rim	10
*14	W-823	Locknut, Wheel to Drum 3/4 - 16	10
*15	W-833	Bolt, Wheel to Drum 3/4 - 16	10
*16	W-834	Washer, Wheel to Drum 3/4	20
*17	WP-722	Rim Clamp	10
18	BF-4524-BD	Kit, Brake Lining	1
NI	10 / 10	Rivet, Brake Lining - Wagner	64
19	A-3722-D-82	Shoe-Only, Brake	4
20	A16-3722-D-82	Shoe & Lining Ass'y.	4
21	2258-U-619	Spring, Brake Shoe Return	2
22	1779-R-18	Roller, Brake Shoe	4
23	2210-Q-3735	Camshaft, LH Brake	1
NI	2210-R-3736	Camshaft, RH Brake	1
24	1229-L-844	Washer, Camshaft	2
25	1705-D-290	Retainer, Felt Seal	8
26	1779-J-1024	Felt Seal, Brake Spider	8
27	1229-W-1557	Waher, Brake Spider	2
28	1225-U-827	Bushing, Brake Spider	4
29	3286-Y-441	Oil Slinger, Wheel Bearing, RH	1
NI	3286-J-348	Oil Slinger, Wheel Bearing, LH	1
30	A1-3211-A-2289	Brake Spider, Bushing & Oil Ass'y., LH	1
NI	A1-3211-B-2290	Brake Spider, Bushing & Oil Ass'y., RH	1
31	SD-266-1	Set Screw, Anchor Pin Upper	4
32	A62-3299-K-2013	Bracket Ass'y., LH Camshaft & Chamber	1
NI	A62-3299-L-2014	Bracket Ass'y., RH Camshaft & Chamber	1
33	K-238	Pin, Cotter	2
34	1245-C-185	Yoke, Brake Chamber Push Rod Clevis	2
35	214526	Nut, Brake Chamber Stud (Bendix Westinghouse)	4

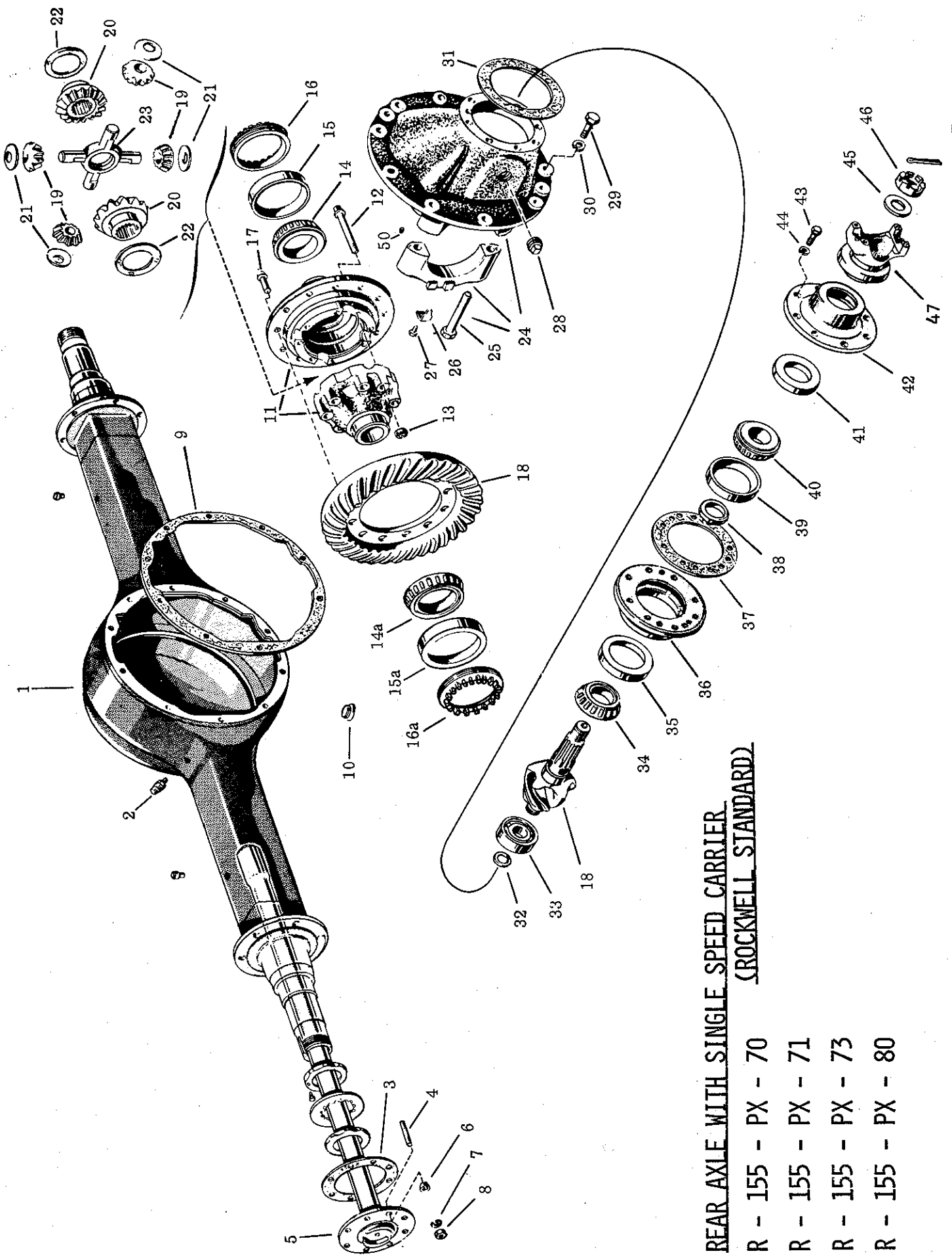
*Gunitite Division of Kelsey Hayes

FRONT AIR BRAKE GROUP

FF-932-PX-5

KEY NO.	PART NOT.	PART NAME	QTY.
36	WA-110	Lockwasher, Brake Chamber	4
37	19-X-60	Pin, Brake Chamber Yoke, Clevis	2
38	287705	Chamber Ass'y., Air Brake 24" (Bendix Westinghouse)	2
39	1259-Q-251	Pin, Brake Shoe Anchor	4
40	1718-Y-103	Spring, Brake Shoe Roller Retainer	4
41	5-X-640	Felt Seal, Anchor Pin	8
42	1205-K-193	Retainer, Anchor Pin Felt	8
43	1229-X-1116	Spring, Anchor Pin Retainer	8
44	HM-212011	Cup, Wheel Bearing Inner	2
45	HM-212049	Bearing, Front Wheel Inner	2
46	A-1205-L-1338	Oil Seal, Wheel Bearing	2
47	S-21016-1	Bolt, Oil Slinger	14
NI	NL-210-1	Nut	14
NI	1229-W-1557	Washer	28
48	SD-266	Setscrew Anchor Pin	4
NI	LW-1912	Lockwire	2
49	WA-18	Lockwasher	8
50	S-2810	Capscrew, Spider/Bracket	8
51	1225-N-378	Bushing, Camshaft	2
52	1229-Q-771	Washer, Camshaft	2
53	1705-H-294	Felt Seal, Camshaft	2
54	NOT APPLICABLE	Retainer, Camshaft Felt Seal	
55	A69-3275-G-501	Slack Adjuster	2
56	1229-R-122	Spacer, Washer	AR
57	1229-Z-1302	Snpring, Camshaft Locking	2





**REAR AXLE WITH SINGLE SPEED CARRIER
(ROCKWELL STANDARD)**

- R - 155 - PX - 70
- R - 155 - PX - 71
- R - 155 - PX - 73
- R - 155 - PX - 80

REAR AXLE WITH SINGLE SPEED CARRIER (ROCKWELL STANDARD)

R-155-PX-70

R-155-PX-71

KEY NO.	PART NO.	PART NAME	QTY.
1	C25-3121-K-11	Housing Assy., Axle	1
2	A-1199-P-1394	Breather, Axle Housing	1
3	2208-X-440	Gasket, Axle Shaft	4
4	4X-1027	Stud, Axle Shaft	16
5	3202-A-3667	Axle Shaft LH	1
NI	3202-Z-3666	Axle Shaft RH	1
6	1246-D-290	Dowel, Axle Shaft Stud	16
7	1229-X-518	Lock Washer, Axle Shaft Stud	16
8	N-110-1	Nut, Axle Shaft Stud	16
9	1199-T-3842	Silastic Gasket (3 oz. Tube)	1
10	1205-Z-182	Plug, Axle Housing Drain (Magnetic)	1
NI	A-1199-S-1709	Plug, Heat Indicator Hole	1
11	A32-3235-N-1106	Case Assy., Differential	1
12	15X-1514	Bolt, Differential Case (Short)	4
NI	15X-1515	Bolt, Differential Case (Long)	8
13	1229-U-1503	Flatwasher, Differential Bolt	12
14	47890	Cone, Differential Case LH	1
14A	47890	Cone, Differential Case RH	1
15	47820	Cup, Differential Case	2
16	2214-X-50	Ring, Bearing Adjusting	2
17	RV-71016	Rivet, Gear to Case	12
18	Gear & Pinion Matched Set		AR
	A-35134	(6.83:1 Ratio)	
	A-35136	(5.29:1 Ratio)	
	A-35166	(7.40:1 Ratio)	
	A-35444	(6.14:1 Ratio)	
19	2233-U-99	Gear, Differential Pinion	4
20	2234-F-344	Gear, Differential Side	2
21	1229-D-992	Washer, Differential Pinion Gear	4
22	1229-E-993	Washer, Differential Side Gear	2
23	3278-A-79	Spider, Differential	1
24	A2-3200-H-606	Carrier & Caps Assy.	1
25	10X-546	Bolt, Differential Bearing Cap	4
26	1229-T-1554	Flatwasher (Lock not Applicable)	4
27	1199-M-2457	Cotter Key, Bearing Lock Ring	2
NI	1246-D-342	Dowel	2
28	P-212	Plug, Differential Oil Level	1
29	S-21013-1	Bolt, Carrier to Housing (Short)	10
NI	S-21019-1	Bolt, Carrier to Housing (Long)	4
30	1229-U-1503	Flatwasher, Carrier to Housing Bolt	14
31	1199-T-3842	Silastic Gasket (3 oz. Tube)	1
32	1229-U-1113	Lock Ring, Pinion Bearing	1
NI	1199-Z-1430	Retainer, Pinion Bearing	1

REAR AXLE WITH SINGLE SPEED CARRIER (ROCKWELL STANDARD)

R-155-PX-70

R-155-PX-71

KEY NO.	PART NO.	PART NAME	QTY.
33	1228-X-154	Bearing, Pinion, Rear	1
34	H715343	Bearing, Pinion, Inner	1
35	H715311	Cup, Pinion Bearing, Inner	1
36	A-3226-F-188	Cage Assy., Pinion	1
37	Shim Pinion Bearing Cage		AR
	2203-L-1260	.003 Thick	
	2203-A- 469	.005 Thick	
	2203-B- 470	.010 Thick	
38	Spacer Pinion Bearing		AR
	2203-U-645	.500	
	2203-V-646	.501	
	2203-W-647	.502	
	2203-X-648	.503	
	2203-Y-649	.504	
	2203-Z-650	.505	
	2203-A-651	.506	
	2203-B-652	.507	
	2203-C-653	.508	
	2203-D-654	.509	
	2203-E-655	.510	
	2203-F-656	.511	
	2203-G-657	.512	
	2203-H-658	.513	
	2203-I-659	.514	
	2203-J-660	.515	
	2203-K-661	.516	
	2203-L-662	.517	
	2203-M-663	.518	
	2203-N-664	.519	
	2203-P-666	.520	
	2203-Q-667	.521	
	2203-R-668	.522	
	2203-S-669	.523	
	2203-T-670	.524	
	2203-U-671	.525	
	2203-V-672	.526	
	2203-H-996	.527	
	2203-I-997	.528	
	2203-J-998	.529	
	2203-K-999	.530	
	2203-L-1000	.531	
	2203-M-1001	.532	
	2203-N-1002	.533	
	2203-P-1004	.534	
	2203-Q-1005	.535	
	2203-R-1006	.536	

REAR AXLE WITH SINGLE SPEED CARRIER (ROCKWELL STANDARD)

05-97419

R-155-PX-70

R-155-PX-71

<u>KEY NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>
39	H715311	Cup Pinion Bearing (Outer)	1
40	H715334	Bearing, Pinion (Outer)	1
41	A-1805-B-80	Seal Pinion Oil	1
42	A-3266-K-89	Cover Assy. Pinion Cage	1
43	S-2813-1	Bolt, Cover to Cage	8
44	1229-C-1511	Flatwasher, Cover to Cage Bolt	8
NI	1199-T-3842	Silastic Gasket (3 oz. Tube)	1
45	1229-E-1071	Thrust Washer	1
46	1227-A-937	Nut, Pinion Shaft	1
NI	A-3280-T-1710	Flange Assy. Companion	1

REAR AXLE WITH SINGLE SPEED CARRIER (ROCKWELL STANDARD)

R-155-PX-80 4.63 RATIO ONLY

KEY NO.	PART NO.	PART NAME	QTY.
1	C25-3121-K-11	Housing Assy., Axle	1
2	A-1199-P-1394	Breather, Axle Housing	1
3	2208-X-440	Gasket, Axle Shaft	4
4	SC-1026-1	Stud, Axle Shaft	16
5	3202-U-6729	Axle Shaft LH	1
NI	3202-T-6728	Axle Shaft RH	1
6	1246-D-290	Dowel, Axle Shaft Stud	16
7	1229-X-518	Lockwasher, Axle Shaft Stud	16
8	N-110-1	Nut, Axle Shaft Stud	16
9	1199-T-3842	Silastic Gasket (3 oz. Tube)	1
10	1205-Z-182	Plug, Axle Housing Drain (Magnetic)	1
NI	A-1199-S-1709	Plug, Heat Indicator Hole	1
11	A39-3235-Q-1109	Case Assy. Differential	1
12	15X-1514	Bolt, Differential Case (Short)	4
NI	15X-1515	Bolt, Differential Case (Long)	8
13	1229-U-1503	Flatwasher, Differential Bolt	12
14	47890	Cone, Differential Case LH	1
14A	47890	Cone, Differential Case RH	1
15	47820	Cup, Differential Case	2
16	2214-X-50	Ring, Bearing Adjusting	2
17	RV-71016	Rivet, Gear to Case	12
18	Gear & Pinion Matched Set A-35208 (4.63:1 Ratio)		AR
19	2233-U-99	Gear, Differential Pinion	4
20	2234-F-344	Gear, Differential Side	2
21	1229-D-992	Washer, Differential Pinion Gear	4
22	1229-E-993	Washer, Differential Side Gear	2
23	3278-A-79	Spider, Differential	1
24	A2-3200-H-606	Carrier & Caps Assy.	1
25	10X-546	Bolt, Differential Bearing Cap	4
26	1229-T-1554	Flatwasher (Lock Not Applicable)	4
27	1199-M-2457	Cotter Key, Bearing Lock Ring	2
NI	1246-D-342	Dowel	2
28	P-212	Plug, Differential Oil Level	1
29	S-21013-1	Bolt, Carrier to Housing (Short)	10
NI	S-21019-1	Bolt, Carrier to Housing (Long)	4
30	1229-U-1503	Flatwasher, Carrier to Housing Bolt	14
31	1199-T-3842	Silastic Gasket (3 oz. Tube)	1
32	1229-U-1113	Lock Ring, Pinion Bearing	1
NI	1199-Z-1430	Retainer, Pinion Bearing	1
33	1228-X-154	Bearing, Pinion, Rear	1
34	H715343	Bearing, Pinion, Inner	1
35	H715311	Cup, Pinion Bearing, Inner	1
36	H-3226-U-723	Cage Assy., Pinion	1
37	Shim Pinion Bearing Cage		AR
	2203-L-1260	.003 Thick	
	2203-A-469	.005 Thick	
	2203-B-470	.010 Thick	

REAR AXLE WITH SINGLE SPEED CARRIER (ROCKWELL STANDARD)

R-155-PX-80 4.63 RATIO ONLY

<u>KEY NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>
38		Spacer Pinion Bearing	AR
	2203-U-645	.500	
	2203-V-646	.501	
	2203-W-647	.502	
	2203-X-648	.503	
	2203-Y-649	.504	
	2203-Z-650	.505	
	2203-A-651	.506	
	2203-B-652	.507	
	2203-C-653	.508	
	2203-D-654	.509	
	2203-E-655	.510	
	2203-F-656	.511	
	2203-G-657	.512	
	2203-H-658	.513	
	2203-I-659	.514	
	2203-J-660	.515	
	2203-K-661	.516	
	2203-L-662	.517	
	2203-M-663	.518	
	2203-N-664	.519	
	2203-P-666	.520	
	2203-Q-667	.521	
	2203-R-668	.522	
	2203-S-669	.523	
	2203-T-670	.524	
	2203-U-671	.525	
	2203-V-672	.526	
	2203-H-996	.527	
	2203-I-997	.528	
	2203-J-998	.529	
	2203-K-999	.530	
	2203-L-1000	.531	
	2203-M-1001	.532	
	2203-N-1002	.533	
	2203-P-1004	.534	
	2203-Q-1005	.535	
	2203-R-1006	.536	
39	H715311	Cup Pinion Bearing (Outer)	1
40	H715334	Bearing, Pinion (Outer)	1
41	A1-1805-S-149	Seal, Pinion Oil & Cover Assy.	1
42		Not Serviced	
43	S-2813-1	Bolt, Cover to Cage	8
44	1229-C-1511	Flatwasher, Cover to Cage Bolt	8
NI	1199-T-3842	Silastic Gasket (3 oz. Tube)	1
45	1229-E-1071	Thrust Washer	1
46	1227-A-937	Nut, Pinion Shaft	1
NI	A-3280-T-1710	Flange Assy. Companion	1

REAR AXLE WITH SINGLE SPEED CARRIER (ROCKWELL STANDARD)

R-155-PX-73

R-155-PX-80 STANDARD RATIOS

KEY NO.	PART NO.	PART NAME	QTY.
1	C25-3121-K-11	Housing Assy., Axle	1
2	A-1199-P-1394	Breather, Axle Housing	1
3	2208-X-440	Gasket, Axle Shaft	4
4	SC-1026-1	Stud, Axle Shaft	16
5	3202-U-6729	Axle Shaft LH	1
NI	3202-T-6728	Axle Shaft RH	1
6	1246-D-290	Dowel, Axle Shaft Stud	16
7	1229-X-518	Lockwasher, Axle Shaft Stud	16
8	N-110-1	Nut, Axle Shaft Stud	16
9	1199-T-3842	Silastic Gasket (3 oz. Tube)	1
10	1205-Z-182	Plug, Axle Housing Drain (Magnetic)	1
NI	A-1199-S-1709	Plug, Heat Indicator Hole	1
11	A32-3235-N-1106	Case Assy. Differential	1
12	15X-1514	Bolt, Differential Case (Short)	4
NI	15X-1515	Bolt, Differential Case (Long)	8
13	1229-U-1503	Flatwasher, Differential Bolt	12
14	47890	Cone, Differential Case LH	1
14A	47890	Cone, Differential Case RH	1
15	47820	Cup, Differential Case	2
16	2214-X-50	Ring, Bearing Adjusting	2
17	RV-71016	Rivet, Gear to Case	12
18	Gear & Pinion Matched Set		AR
	A-35134 (6.83:1 Ratio)		
	A-35136 (5.29:1 Ratio)		
	A-35166 (7.40:1 Ratio)		
	A-35444 (6.14:1 Ratio)		
19	2233-U-99	Gear, Differential Pinion	4
20	2234-F-344	Gear, Differential Side	2
21	1229-D-992	Washer, Differential Pinion Gear	4
22	1229-E-993	Washer, Differential Side Gear	2
23	3278-A-79	Spider, Differential	1
24	A2-3200-H-606	Carrier & Caps Assy.	1
25	10X-546	Bolt, Differential Cap	4
26	1229-T-1554	Flatwasher (Lock Not Applicable)	4
27	1199-M-2457	Cotter Key, Bearing Lock Ring	2
NI	1246-D-342	Dowel	2
28	P-212	Plug, Differential Oil Level	1
29	S-21013-1	Bolt, Carrier to Housing (Short)	10
NI	S-21019-1	Bolt, Carrier to Housing (Long)	4
30	1229-U-1503	Flatwasher, Carrier to Housing Bolt	14
31	1199-T-3842	Silastic Gasket (3 oz. Tube)	1
32	1229-U-1113	Lock Ring, Pinion Bearing	1

REAR AXLE WITH SINGLE SPEED CARRIER (ROCKWELL STANDARD)

R-155-PX-73

R-155-PX-80 STANDARD RATIOS

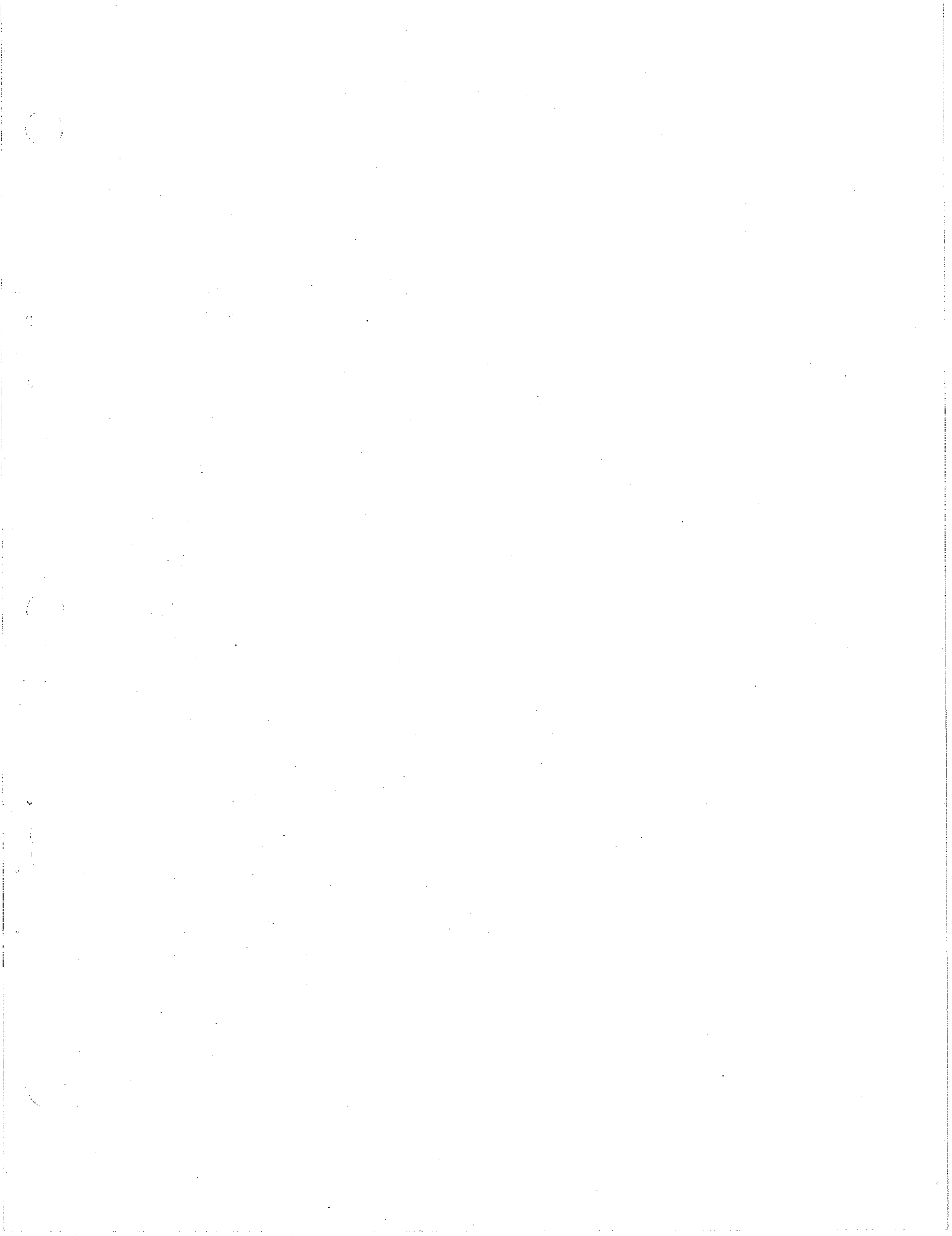
KEY NO.	PART NO.	PART NAME	QTY.
NI	1199-Z-1430	Retainer, Pinion Bearing	1
33	1228-X-154	Bearing, Pinion, Rear	1
34	H715343	Bearing, Pinion, Inner	1
35	H715311	Cup, Pinion Bearing, Inner	1
36	A-3226-U-723	Cage Assy., Pinion	1
37	Shim Pinion Bearing Cage		AR
	2203-L-1260	.003 Thick	
	2203-A-469	.005 Thick	
	2203-B-470	.010 Thick	
38	Spacer Pinion Bearing		
	2203-U-645	.500	
	2203-V-646	.501	
	2203-W-647	.502	
	2203-X-648	.503	
	2203-Y-649	.504	
	2203-Z-650	.505	
	2203-A-651	.506	
	2203-B-652	.507	
	2203-C-653	.508	
	2203-D-654	.509	
	2203-E-655	.510	
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	2203-N-664	.519	
	2203-P-666	.520	
	2203-Q-667	.521	
	2203-R-668	.522	
	2203-S-669	.523	
	2203-T-670	.524	
	2203-U-671	.525	
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	2203-H-996	.527	
	2203-I-997	.528	
	2203-J-998	.529	
	2203-K-999	.530	
	2203-L-1000	.531	
	2203-M-1001	.532	
	2203-N-1002	.533	
	2203-P-1004	.534	
	2203-Q-1005	.535	
	2203-R-1006	.536	

REAR AXLE WITH SINGLE SPEED CARRIER (ROCKWELL STANDARD)

R-155-PX-73

R-155-PX-80 STANDARD RATIOS

<u>KEY NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>
39	H715311	Cup Pinion Bearing (Outer)	1
40	H715334	Bearing, Pinion (Outer)	1
41	A1-1805-S-149	Seal, Pinion Oil & Cover Assy.	1
42		Not Serviced	
43	S-2813-1	Bolt, Cover to Cage	8
44	1229-C-1511	Flatwasher, Cover to Cage Bolt	8
NI	1199-T-3842	Silastic Gasket (3 oz. Tube)	1
45	1229-E-1071	Thrust Washer	1
46	1227-A-937	Nut, Pinion Shaft	1
NI	A-3280-T-1710	Flange Assy. Companion	1



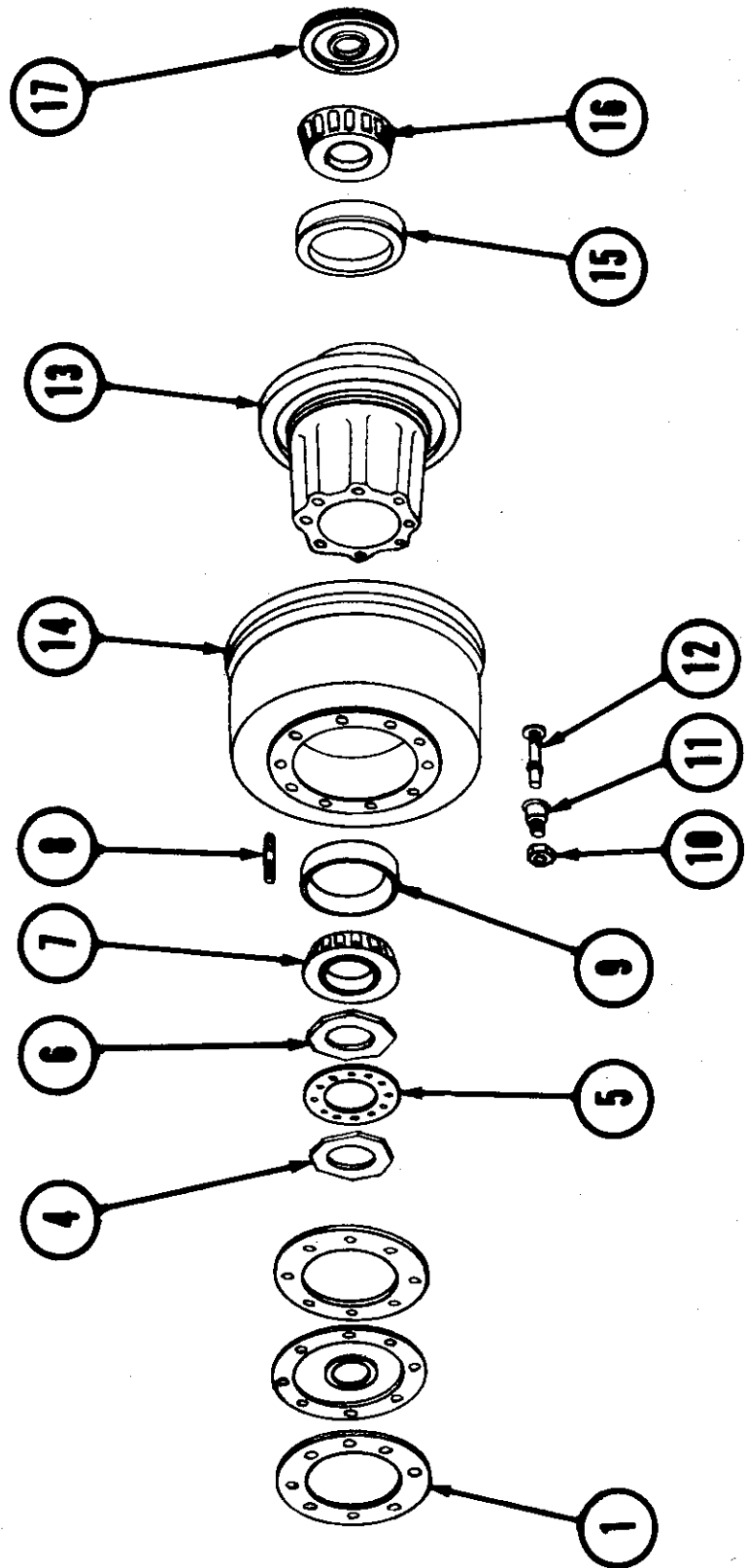
REAR AXLE HUBS & DRUMS (ROCKWELL STANDARD)

R - 155 - PX - 70

R - 155 - PX - 71

R - 155 - PX - 73

R - 155 - PX - 80



REAR AXLE HUBS & DRUMS (ROCKWELL STANDARD)

R-155-PX-70

<u>KEY NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>
1	2208-X-440	Gasket, Axle Flange (Outer)	2
2	A-1205-N-612	Oil Seal, Wheel Bearing (Outer)	2
NI	A-1199-S-1917	Wiper Assy. Oil Seal (Outer)	2
3	2208-X-440	Gasket, Axle Flange (Inner)	2
4	1227-R-330	Nut, Wheel Bearing (Outer)	2
5	1229-U-1009	Washer, Lock, Wheel Bearing Nut	2
6	1227-W-517	Nut, Wheel Bearing (Inner)	2
7	580	Wheel Bearing (Outer)	2
8	4X-1027	Stud, Axle Shaft	16
9	572	Cup, Outer Wheel Bearing	2
10	1199-N-118	Nut, Wheel Stud Outer RH	10
NI	1199-M-117	Nut, Wheel Stud Outer LH	10
11	1199-J-114	Nut, Wheel Stud Inner RH	10
NI	1199-K-115	Nut, Wheel Stud Inner LH	10
12	20X-1310	Stud, Wheel RH	10
NI	20X-1309	Stud, Wheel LH	10
13	A-333-Q-2331	Hub & Cup Assy.	2
14	2137586 3219-G-3933	Brake Drum (16 1/2 x 7)	2
15	592-A	Cup, Wheel Bearing (Inner)	2
16	598-A	Wheel Bearing (Inner)	2
17	A-1205-T-696	Oil Seal, Wheel Bearing (Inner)	2
NI	1199-B-1666	Wiper, Oil Seal (Inner)	2
NI	3286-C-445	Oil Slinger	2
NI	1229-M-1105	Retainer, Oil Slinger Bolt	10
NI	S-256-1	Bolt, Oil Slinger	10
NI	1229-E-1669	Flat Washer, Oil Slinger Bolt	10

REAR AXLE HUBS & DRUMS (ROCKWELL STANDARD)

R-155-PX-71

R-155-PX-80

KEY NO.	PART NO.	PART NAME	QTY.
1	2208-X-440	Gasket, Axle Flange (Outer)	2
2	A-1205-N-612	Oil Seal, Wheel Bearing (Outer)	2
NI	A-1199-S-1917	Wiper Assy. Oil Seal (Outer)	2
3	2208-X-440	Gasket, Axle Flange (Inner)	2
4	1227-R-330	Nut, Wheel Bearing (Outer)	2
5	1229-U-1009	Washer, Lock, Wheel Bearing Nut	2
6	1227-W-517	Nut, Wheel Bearing (Inner)	2
7	580	Wheel Bearing (Outer)	2
8	SC-1026-1	Stud, Axle Shaft	16
9	572	Cup, Outer Wheel Bearing	2
10	1199-N-118	Nut, Wheel Stud Outer RH	10
NI	1199-M-117	Nut, Wheel Stud Outer LH	10
11	1199-J-114	Nut, Wheel Stud Inner RH	10
NI	1199-K-115	Nut, Wheel Stud Inner LH	10
12	20X-640	Stud, Wheel RH	10
NI	20X-639	Stud, Wheel LH	10
13	A-333-K-2169	Hub & Cup Assy.	2
14	3219-P-4072	Brake Drum (16 1/2 x 7)	2
15	592-A	Cup, Wheel Bearing (Inner)	2
16	598-A	Wheel Bearing (Inner)	2
17	A-1205-T-696	Oil Seal, Wheel Bearing (Inner)	2
NI	1199-B-1666	Wiper, Oil Seal (Inner)	2
NI	3286-C-445	Oil Slinger	2
NI	1229-M-1105	Retainer, Oil Slinger Bolt	10
NI	S-256-1	Bolt, Oil Slinger	10
NI	1229-E-1669	Flat Washer, Oil Slinger Bolt	10

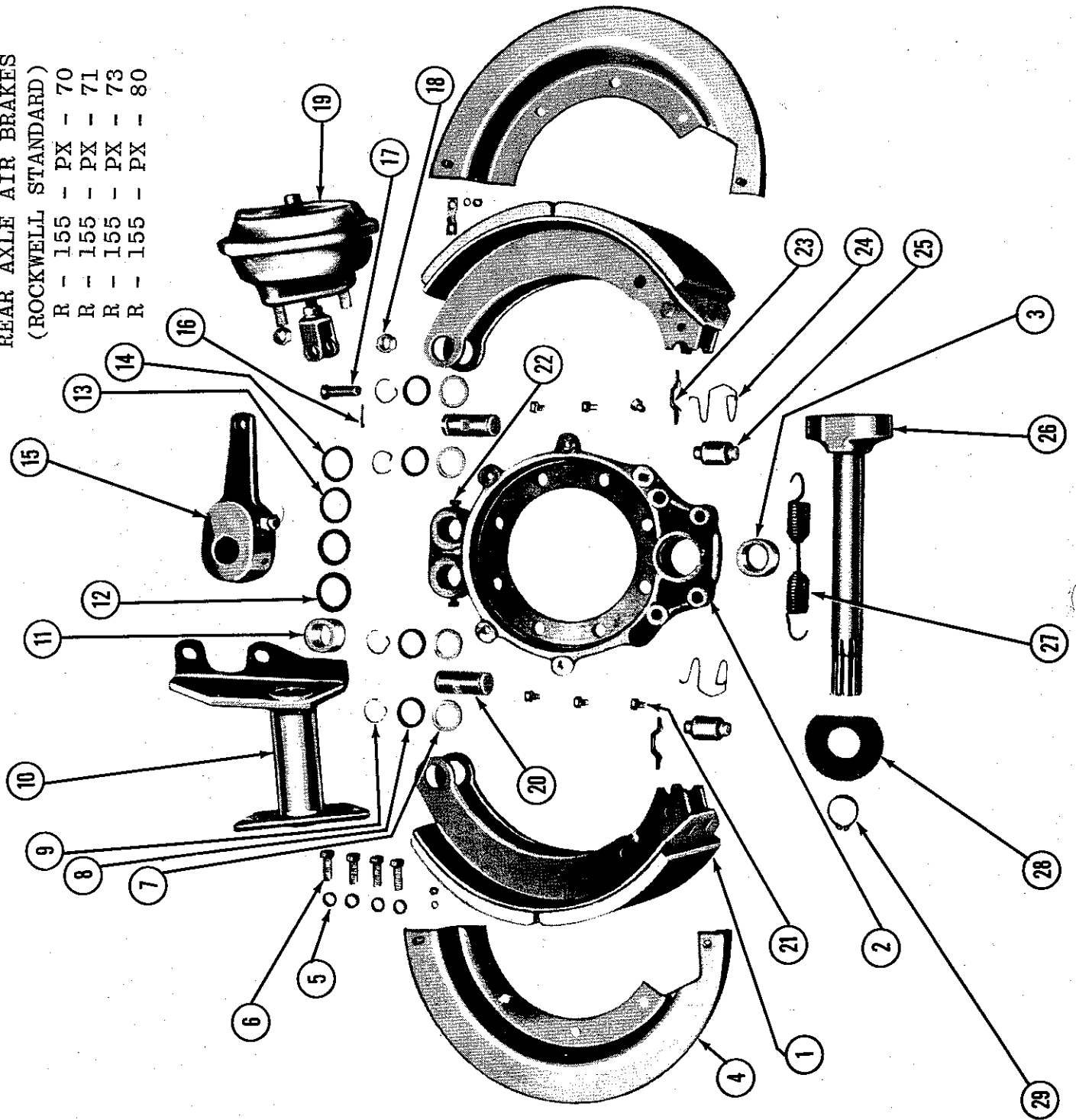
REAR AXLE HUBS & DRUMS (ROCKWELL STANDARD)

R-155-PX-73

<u>KEY NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>
1	2208-X-440	Gasket, Axle Flange (Outer)	2
2	A-1205-N-612	Oil Seal, Wheel Bearing (Outer)	2
NI	A-1199-S-1917	Wiper Assy., Oil Seal (Outer)	2
3	2208-X-440	Gasket, Axle Flange (Inner)	2
4	1227-R-330	Nut, Wheel Bearing (Outer)	2
5	1229-U-1009	Washer, Lock, Wheel Bearing Nut	2
6	1227-W-517	Nut, Wheel Bearing (Inner)	2
7	580	Wheel Bearing (Outer)	2
8	SC-1026-1	Stud, Axle Shaft	16
9	572	Cup, Outer Wheel Bearing	2
10	1199-N-118	Nut, Wheel Stud Outer RH	10
NI	1199-M-117	Nut, Wheel Stud Outer LH	10
11	1199-J-114	Nut, Wheel Stud Inner RH	10
NI	1199-K-115	Nut, Wheel Stud Inner LH	10
12	20X-640	Stud, Wheel RH	10
NI	20X-639	Stud, Wheel LH	10
13	A-333-K-2169	Hub & Cup Assy.	2
14	3219-D-4268	Brake Drum (16 1/2 x 8)	2
15	592-A	Cup, Wheel Bearing (Inner)	2
16	598-A	Wheel Bearing (Inner)	2
17	A-1205-T-696	Oil Seal, Wheel Bearing (Inner)	2
NI	1199-B-1666	Wiper, Oil Seal (Inner)	2
NI	3286-C-445	Oil Slinger	2
NI	1229-M-1105	Retainer, Oil Slinger Bolt	10
NI	S-256-1	Bolt, Oil Slinger	10
NI	1229-E-1669	Flat Washer, Oil Slinger Bolt	10

REAR AXLE AIR BRAKES
(ROCKWELL STANDARD)

- R - 155 - PX - 70
- R - 155 - PX - 71
- R - 155 - PX - 73
- R - 155 - PX - 80



REAR AXLE AIR BRAKES (ROCKWELL STANDARD)

R-155-PX-70

R-155-PX-71

R-155-PX-80

KEY NO.	PART NO.	PART NAME	QTY.
1	A26-3722-N-66	Brake Shoe & Lining Assy.	4
NI	A-3722-N-66	Brake Shoe Only	4
NI	BF-4515-ED	Kit, Brake Lining	1
NI	10 / 10	Rivet, Brake Lining	96
2	A-3211-F-2736	Brake Spider Bushing & Oil Seal Assy.	2
NI	S-11018-1	Bolt, Brake Spider to Axle	4
NI	S-11016-1	Bolt, Brake Spider to Axle	12
NI	1229-W-1557	Flatwasher, Spider to Axle Bolt	32
NI	NL-110-1	Nut, Spider to Axle Bolt	16
3	1225-N-378	Bushing, Nylon, Camshaft	2
NI	1779-J-1024	Oil Seal, Camshaft Bushing	2
NI	1705-D-290	Retainer, Camshaft Bushing	2
NI	3780-A-131	'O' Ring, Camshaft Bushing	2
4		Not Applicable	
5	1229-C-1511	Flatwasher, Chamber Capscrew	8
6	S-2812-1	Capscrew, Chamber Bracket	8
NI	2208-T-514	Gasket, Chamber Bracket to Spider	2
7	1205-K-193	Retainer, Anchor Pin Felt	8
8	5X-640	Felt, Anchor Pin	8
9	1229-X-1116	Ring, Anchor Pin Retainer	8
10	B13-3299-S-1553	Brake Chamber Bracket & Seal Assy. LH	1
NI	B13-3299-R-1552	Brake Chamber Bracket & Seal Assy. RH	1
11	1225-N-378	Bushing, Nylon, Chamber Bracket	2
12	5X-191	Felt Washer, Cam Spacing	2
13	1229-R-122	Washer, Cam Spacing (Thin)	AR
14	1229-Q-117	Washer, Cam Spacing (Thick)	AR
15	A13-3275-X-518	Slack Adjuster Assy. (B/W 278016)	2
16 & 17	0530568	Yoke, Clevis, & Cotter Pin (B/W 228798)	2
18	2001501	Nut, Chamber Mounting 5/8 - 18 NF	4
19	0754960	Air Chamber Assy., 30" LH Anchorlok	AR
NI	0754952	Air Chamber Assy., 30" RH Anchorlok	AR
NI	0765586	Air Chamber Assy., 24" LH Anchorlok	AR
NI	0765578	Air Chamber Assy., 24" RH Anchorlok	AR
20	1259-Q-251	Pin Shoe Anchor	4
NI	1225-U-827	Bushing, Shoe Anchor Pin (Metal)	4
21		Not Applicable	
22	S-265-D	Lockscrew, Anchor Pin	4
23	1218-G-85	Pin, Shoe Return Spring	4
24	1718-Y-103	Spring Clip, Shoe Roller	4
25	1779-R-18	Roller, Brake Shoe	4
26	2210-Q-2981	Camshaft, Brake LH	1
NI	2210-P-2980	Camshaft, Brake RH	1
27	2258-P-354	Spring, Brake Shoe Return	2
28	1229-L-844	Flat Washer, Cam Head	2
NI	1229-J-868	Retainer, Camshaft	4
29	1229-Z-1118	Lock Ring, Camshaft	2

REAR AXLE AIR BRAKES (ROCKWELL STANDARD)

R-155-PX-73

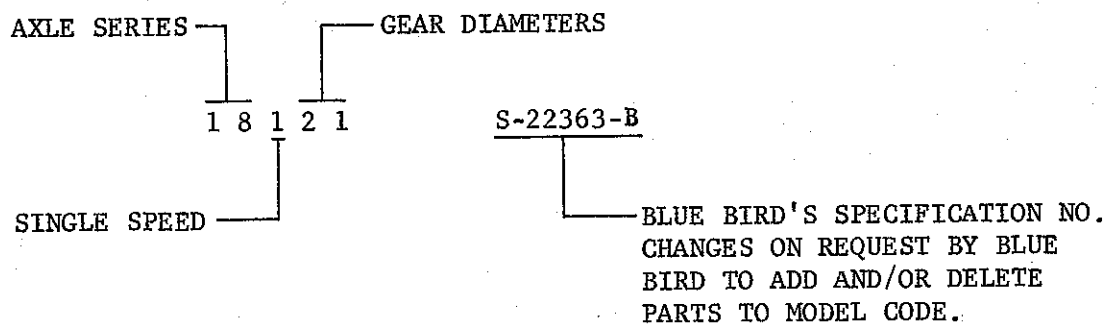
KEY NO.	PART NO.	PART NAME	QTY.
1	A4-3222-F-1176	Brake Shoe & Lining Assy. (Primary)	2
NI	A4-3222-H-1178	Brake Shoe & Lining Assy. (Secondary)	2
NI	A-3222-F-1176	Brake Shoe Only (Primary)	2
NI	A-3222-H-1178	Brake Shoe Only (Secondary)	2
NI	BF-4644-AD	Kit, Brake Lining	1
NI	10 / 10	Rivet, Brake Lining	128
2	A-3211-F-2736	Brake Spider Bushing & Oil Seal Assy.	2
NI	S-11018-1	Bolt, Brake Spider to Axle	4
NI	S-11016-1	Bolt, Brake Spider to Axle	12
NI	1229-W-1557	Flatwasher, Spider to Axle Bolt	32
NI	NL-110-1	Nut Spider to Axle Bolt	16
3	1225-N-378	Bushing, Nylon, Camshaft	2
NI	1779-J-1024	Oil Seal, Camshaft Bushing	2
NI	1705-D-290	Retainer, Camshaft Bushing	2
NI	3780-A-131	'O' Ring, Camshaft Bushing	2
4		Not Applicable	
5	1229-C-1511	Flatwasher, Chamber Capscrew	8
6	S-2812-1	Capscrew, Chamber Bracket	8
7	1205-K-193	Retainer, Anchor Pin Felt	8
8	5X-640	Felt, Anchor Pin	8
9	1229-X-1116	Ring, Anchor Pin Retainer	8
10	B13-3299-S-1553	Brake Chamber Bracket & Seal Assy. LH	1
NI	B13-3299-R-1552	Brake Chamber Bracket & Seal Assy. RH	1
11	1225-N-378	Bushing, Nylon, Chamber Bracket	2
12	5X-191	Felt Washer, Can Spacing	2
13	1229-R-122	Washer, Cam Spacing (Thin)	AR
14	1229-Q-117	Washer, Cam Spacing (Thick)	AR
15	A13-3275-X-518	Slack Adjuster Assy. (B/W 278016)	2
16 & 17	0530568	Yoke, Clevis & Cotter Pin (B/W 228798)	2
18	2001501	Nut, Chamber Mounting 5/8 - 18 NF	4
19	0754960	Air Chamber Assy., 30" LH Anchorlok	AR
NI	0754952	Air Chamber Assy., 30" RH Anchorlok	AR
NI	0765586	Air Chamber Assy., 24" LH Anchorlok	AR
NI	0765578	Air Chamber Assy., 24" RH Anchorlok	AR
20	1259-Q-251	Pin, Shoe Anchor	4
NI	1225-U-827	Bushing, Shoe Anchor Pin (Metal)	4
21		Not Applicable	
22	S-265-D	Lockscrew, Anchor Pin	4
23	1218-G-85	Pin, Shoe Return Spring	4
24	1718-Y-103	Spring Clip, Shoe Roller	4
25	1779-R-18	Roller, Brake Shoe	4
26	2210-Q-2981	Camshaft, Brake LH	1
NI	2210-P-2980	Camshaft, Brake RH	1
27	2258-P-354	Spring, Brake Shoe Return	2
28	1229-L-844	Flatwasher, Cam Head	2
NI	1229-J-868	Retainer, Camshaft	4
29	1229-Z-1118	Lockring, Camshaft	2

AXLES - EATON SINGLE SPEED AND TWO SPEED

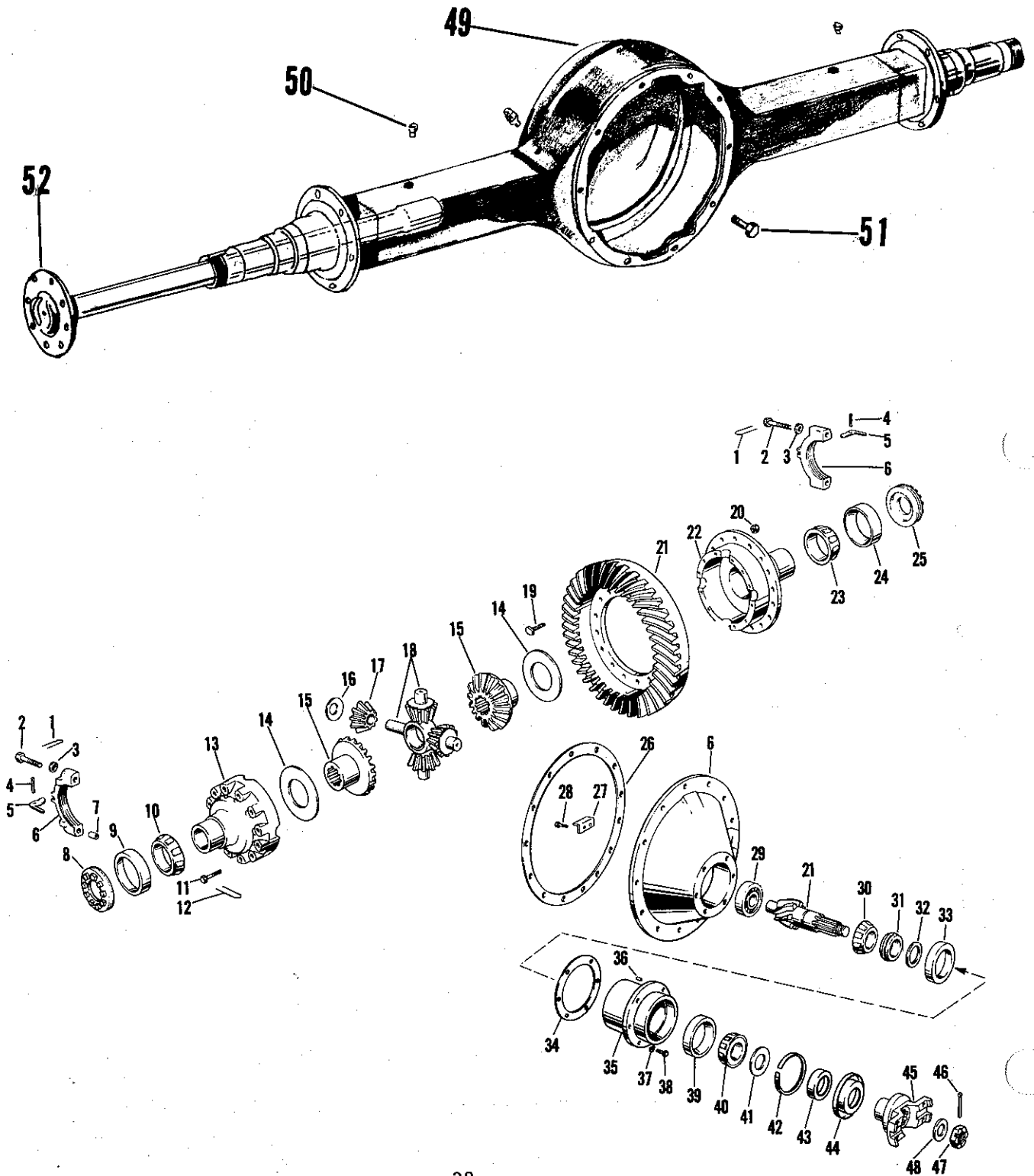
Illustrations, Parts Lists, and Field Maintenance Manuals are included to aid you in servicing, maintaining, and ordering replacement parts.

WHEN ORDERING PARTS, ALWAYS GIVE THE BODY SERIAL NUMBER, CHASSIS NUMBER, CHASSIS SERVICE NUMBER, PART NUMBER OF EACH PART AND COMPLETE DESCRIPTION.

The following example shows the significance of Eaton Model Code Axle numbers.



REAR AXLE WITH SINGLE SPEED CARRIER EATON AXLE MODEL NO. 18121



AXLE MODEL NO. 18121 SINGLE SPEED

(SPECIFICATION NO.) S-22545-B

KEY NO.	PART NO.	PART NAME	QTY.
1	90538	Lockwire	4
2	67811	Capscrew	4
3	26772	Flatwasher	4
4	90873	Cotter Pin	2
5	13377	Adjuster Lock (R.H.)	1
5	14275	Adjuster Lock (L.H.)	1
6	67804	Diff. Carrier & Bearing Caps (Matched Parts)	1
7		Not Applicable	
8	27842	Diff. Bearing Adjuster (R.H.)	1
9	9803	Diff. Bearing Cup (R.H.) (Timken # 493)	1
10	27813	Diff. Bearing Cone (R.H.) (Timken # 497)	1
11	4575	Capscrew	12
12	4433	Lockwire	1
13	45452	Diff Case (Plain Half)	1
14	27827	Side Gear Thrust Washer	2
15	37069	Side Gear	2
16	27810	Side Pinion Thrust Washer	4
17	37071	Side Pinion	4
18	87894	Spider	1
19	67586	Capscrew, Diff. Case	16
20	60600	Nut, Diff. Case Capscrew	16
21	96628	Ring Gear & Pinion (Matched Set) w/Nut 6.50/1 Ratio	1
22	88283	Diff. Case (Flanged Half)	
23	6082	Diff. Bearing Cone (L.H.) (Timken # 567)	1
24	90943	Diff. Bearing Cup (L.H.) (Timken # 563)	1
25	31562	Diff. Bearing Adjuster (L.H.)	1
26	72040	Carrier Gasket	1
27		Not Applicable	
28		Not Applicable	
29	15828	Pinion Pilot Bearing (Hyatt Bearing # UY1307M)	1
30	12496	Pinion Bearing Cone (Timken # 55200)	1
31	91552	Pinion Bearing Spacer .623	AR
31	91559	Pinion Bearing Spacer .630	AR
31	91576	Pinion Bearing Spacer .638	AR
31	91604	Pinion Bearing Spacer .604	AR
31	91615	Pinion Bearing Spacer .654	AR
32		Not Applicable	
33	12495	Pinion Bearing Cup (Inner) Also incl. w/67817 Assy (Timken # 55437)	1
34	43588	Pinion Bearing Cage Shim .003	AR
34	61993	Pinion Bearing Cage Shim .005	AR
34	43589	Pinion Bearing Cage Shim .010	AR
34	61994	Pinion Bearing Cage Shim .020	AR
34	43590	Pinion Bearing Cage Shim .030	AR
35	67817	Pinion Bearing Cage w/cups (Incl. Items, 33, 36 and 39)	1
36		Included w/67817 Assy.	
37	28571	Lockwasher, Cage to Carrier Capscrew	6
38	30800	Capscrew, Cage to Carrier	6
39	12495	Pinion Bearing Cup (Outer) (Also Incl. w/67817 Assy. (Timken # 55437)	1
40	12496	Pinion Bearing Cone (Outer) (Timken # 55200)	1

* NOTE: SEE PAGE 48 FOR DIFFERENTIAL REPAIR KITS

AXLE MODEL NO. 18121 SINGLE SPEED (Cont'd.)

(SPECIFICATION NO.) S-22545-B

KEY NO.	PART NO.	PART NAME	QTY.
41		Not Applicable	
42		Not Applicable	
43		Not Applicable	
44	79470	Oil Seal & Retainer Assy.	1
45	42200	Companion Flange, Pinion (1480 Series DriveLine)	1
45	50499	Companion Flange, Pinion (1550 Series DriveLine)	1
46	90299	Cotter Pin, Pinion	1
47	4328	Pinion Nut	1
48	4327	Flatwasher	1
49	100306	Axle Housing	1
50	49014	Plug, Plastic Vent	1
NI	24666	Plug, Drain Housing	1
51	29128	Capscrew, Head to Housing	12
NI	90422	Lockwasher, Head to Housing Capscrew	12
52	81216	Axle Shaft	2

AXLE MODEL NO. 18121 SINGLE SPEED

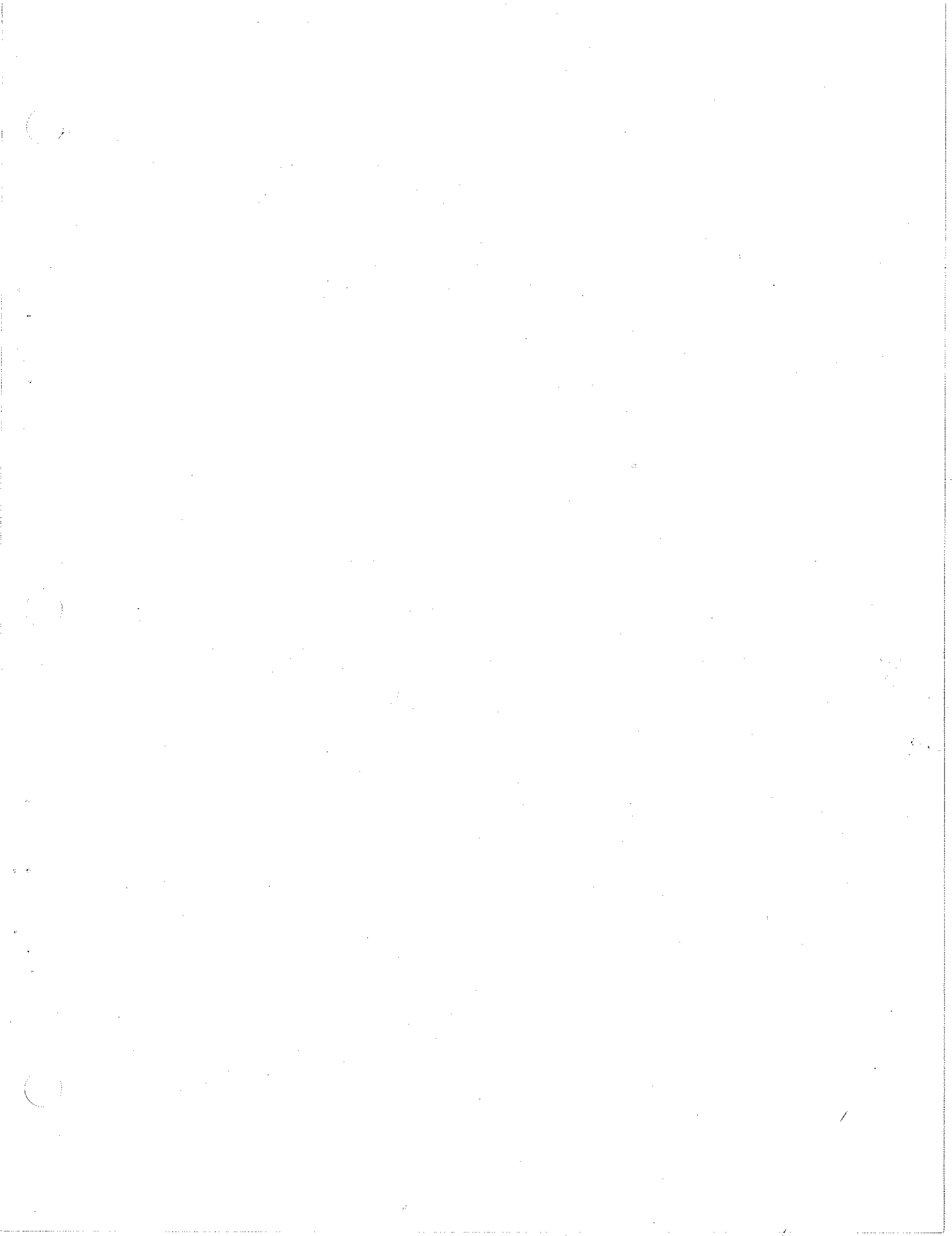
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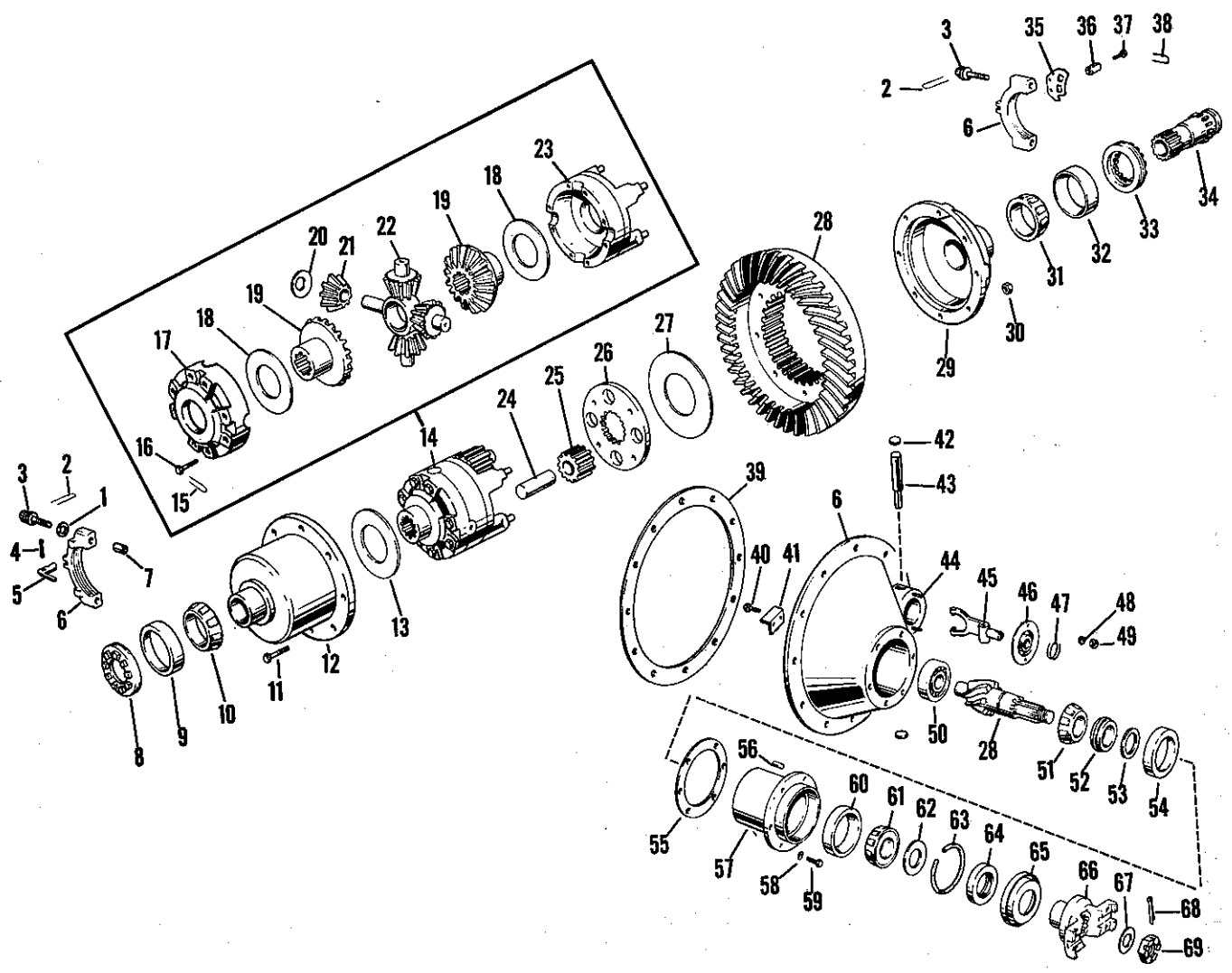
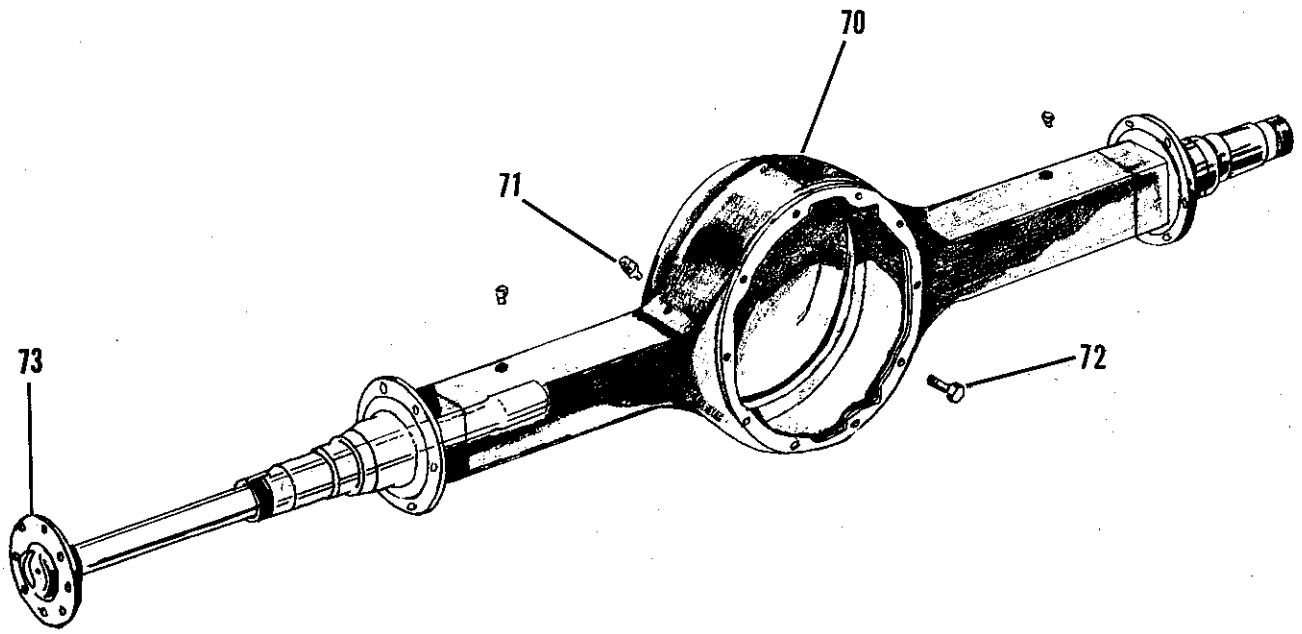
KEY NO.	PART NO.	PART NAME	QTY.
1	90538	Lockwire	4
2	67811	Capscrew	4
3	26772	Flatwasher	4
4	90873	Cotter Pin	2
5	13377	Adjuster Lock (R.H.)	1
5	14275	Adjuster Lock (L.H.)	1
6	67804	Diff. Carrier & Bearing Caps (Matched Parts)	1
7		Not Applicable	
8	27842	Diff. Bearing Adjuster (R.H.)	1
9	9803	Diff. Bearing Cup (R.H.) (Timken #493)	1
10	27813	Diff. Bearing Cone (R.H.) (Timken #497)	1
11	4575	Capscrew	12
12	4433	Lockwire	1
13	45452	Diff. Case (Plain Half)	1
14	27827	Side Gear Thrust Washer	2
15	37069	Side Gear	2
16	27810	Side Pinion Thrust Washer	4
17	37071	Side Pinion	4
18	87894	Spider	1
19	67586	Capscrew, Diff. Case	16
20	60600	Nut, Diff. Case Capscrew	16
21	96626	Ring Gear & Pinion (Matched Set) w/Nut 5.57/1 Ratio	1
22	88283	Diff. Case (Flanged Half)	1
23	6082	Diff. Bearing Cone (L.H.) (Timken #567)	1
24	90943	Diff. Bearing Cup (L.H.) (Timken #563)	1
25	31562	Diff. Bearing Adjuster (L.H.)	1
26	72040	Carrier Gasket	1
27		Not Applicable	
28		Not Applicable	
29	15828	Pinion Pilot Bearing (Hyatt Bearing # UY1307M)	1
30	12496	Pinion Bearing Cone (Timken # 55200)	1
31	91552	Pinion Bearing Spacer .623	AR
31	91559	Pinion Bearing Spacer .630	AR
31	91576	Pinion Bearing Spacer .638	AR
31	91604	Pinion Bearing Spacer .604	AR
31	91615	Pinion Bearing Spacer .654	AR
32		Not Applicable	
33	12495	Pinion Bearing Cup (Inner) Also incl. w/67817 Assy (Timken #55437)	1
34	43588	Pinion Bearing Cage Shim .003	AR
34	61993	Pinion Bearing Cage Shim .005	AR
34	43589	Pinion Bearing Cage Shim .010	AR
34	61994	Pinion Bearing Cage Shim .020	AR
34	43590	Pinion Bearing Cage Shim .030	AR
35	67817	Pinion Bearing Cage w/cups (Incl. Items 33, 36, and 39)	1
36		Included w/67817 Ass'y.	
37	28571	Lockwasher, Cage to Carrier Capscrew	6
38	30800	Capscrew, Cage to Carrier	6
39	12495	Pinion Bearing Cup (Outer) Also Incl. w/67817 Assy) (Timken #55437)	1
40	12496	Pinion Bearing Cone (Outer) (Timken #55200)	1

AXLE MODEL NO. 18121 SINGLE SPEED (Cont'd.)

(SPECIFICATION NO.) S-22363-B

KEY NO.	PART NO.	PART NAME	QTY.
41		Not Applicable	
42		Not Applicable	
43		Not Applicable	
44	79470	Oil Seal & Retainer Assy.	1
45	42200	Companion Flange, Pinion (1480 Series DriveLine)	1
45	50499	Companion Flange, Pinion (1550 Series DriveLine)	1
46	90299	Cotter Pin, Pinion	1
47	4328	Pinion Nut	1
48	4327	Flatwasher, Pinion Nut	1
49	100306	Axle Housing	1
50	49014	Plug, Plastic Vent	1
NI	24666	Plug, Drain Housing	1
51	29128	Capscrew, Head to Housing	12
NI	90422	Lockwasher, Head to Housing Capscrew	12
52	81216	Axle Shaft	2





Courtesy of EATON

AXLE MCDL NO. 18221 TWO SPEED

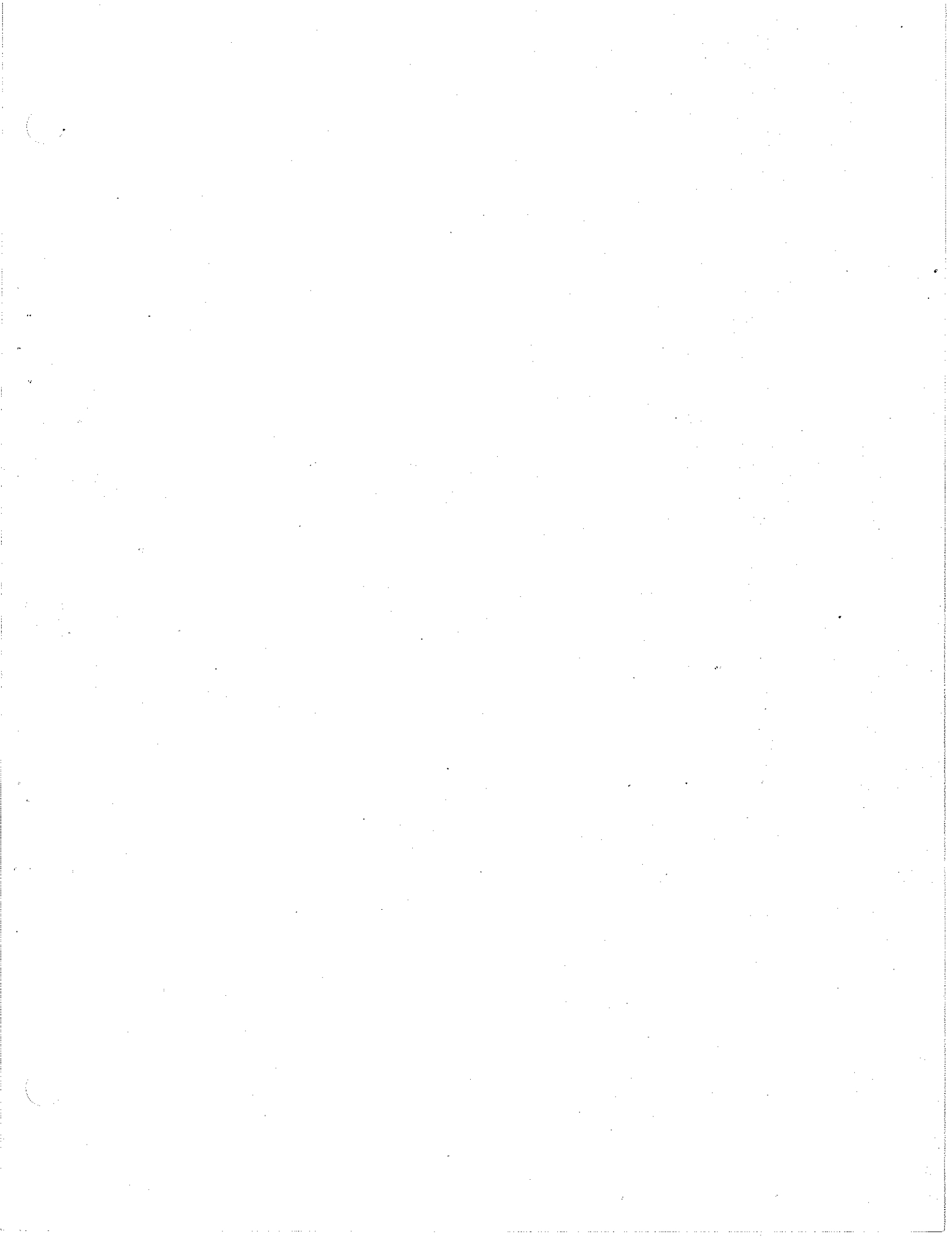
(SPECIFICATION NO.) S-22364-B

KEY NO.	PART NO.	PART NAME	QTY.
1	32912	Washer	4
2	90538	Lockwire	4
3	32732	Capscrew	4
4	90773	Cotter Pin	1
5	13377	Adjuster Lock (R.H)	1
6	67759	Diff. Carrier & Bearing Caps (Matched Parts)	1
7	32730	Dowel Bushing	2
8	27842	Diff. Bearing Adjuster (R.H.)	1
9	9803	Diff. Bearing Cup (R.H.) (Timken # 493	1
10	27813	Diff. Bearing Cone (R.H.) (Timken # 497	1
11	44358	Bolt (Gear Support Cases to Gear)	8
12	27839	Gear Support Case (R.H. Half)	1
13	27827	Support Case Thrust Washer (R.H.)	1
14	101101	Differential Assy	1
15	12970	LockWire	1
16	12467	Capscrew	8
17	27812	Diff. Case (R.H. Half)	1
18	27827	Side Gear Thrust Washer	2
19	37072	Side Gear	2
20	27810	Side Pinion Thrust Washer	4
21	37071	Side Pinion	4
22	38289	Spider	1
23	27843	Diff. Case w/Clutch Plate Pin (L.H. Half)	1
24	27861	Idler Pinion Pin	4
25	27835	Idler Pin	4
26	56931	High Speed Clutch Plate	1
27	43270	Support Case Thrust Washer (L.H.)	1
28	96840	Ring Gear & Pinion (Matched Set) 5.57/7.60 Ratio	1
29	27838	Gear Support Case (L.H. Half)	1
30	60599	Lock Nut	8
31	27817	Diff. Bearing Cone (L.H.) (Timken # 56425	1
32	27816	Diff. Bearing Adjuster (L.H.) (Timken # 56650)	1
33	56932	Diff. Bearing Adjuster (L.H.)	1
34	56933	Sliding Clutch Gear	1
35	37745	Adjuster Lock (L.H.)	1
36	37746	Adjuster Lock Bushing	2
37	37747	Capscrew	2
38	12563	Lockwire	1
39	72040	Carrier Gasket	1
40	67815	Oil Trough Screw	2
41	67814	Oil Trough	1
42	30703	Expansion Plug (Upper)	1
42	9797	Expansion Plug (Lower)	1
43	41103	Shift Fork Shaft	1
44	78400	Shift Fork Stud	2
45	32613	Shift Fork Assy	1
46	64085	Shift Fork Seal & Spring	1
47	35585	Shift Fork Seal Spring	1
48	78401	Stud Flatwasher	2
49	63028	Stud Nut	1

AXLE MODEL NO. 18221 TWO SPEED (Cont'd.)

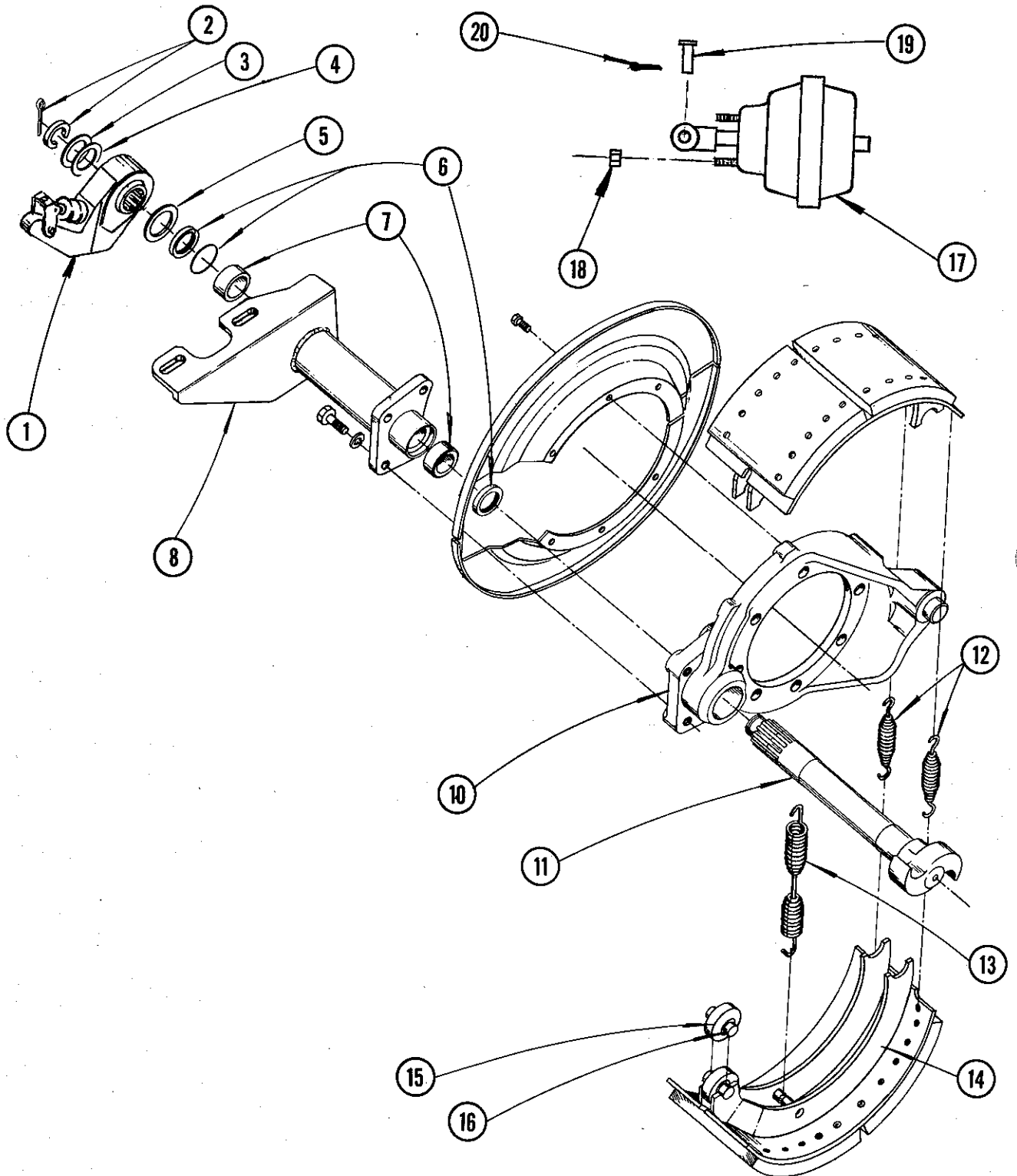
(SPECIFICATION NO.) S-22364-B.

KEY NO.	PART NO.	PART NAME	QTY.
50	15828	Pinion Pilot Bearing (Hyatt Dearing # UY 1307M)	1
51	12496	Pinion Bearing Cone (Inner) Timken 55200)	1
52	91552	Pinion Bearing Spacer .623.	AR
52	91559	Pinion Bearing Spacer .630	AR
52	91576	Pinion Bearing Spacer .638	AR
52	91604	Pinion Bearing Spacer .646	AR
52	91615	Pinion Bearing Spacer .654	AR
53		Not Applicable	
54	12495	Pinion Bearing Cup (Inner) (Also Incl. w/38596 Assy.) (Timken # 55437)	1
55	43588	Pinion Bearing Cage Shim .003	AR
55	61993	Pinion Bearing Cage Shim .005	AR
55	43589	Pinion Bearing Cage Shim .010	AR
55	61994	Pinion Bearing Cage Shim .020	AR
55	43590	Pinion Bearing Cage Shim .030	AR
56		Included w/38596 Assy	1
57	38596	Pinion Bearing Cage w/cups (Incl Items 54,56, and 60)	1
58	28571	Lockwasher	6
59	30800	Capscrew	6
60	12495	Pinion Bearing Cup (Outer) (Also Incl. w/38496 Assy.) (Timken 55437)	1
61	12496	Pinion Bearing Cone (Outer) (Timken # 55200)	1
62		Not Applicable	
63		Not Applicable	
64		Not Applicable	
65	79470	Oil Seal & Retainer Assy	1
66	42200	Companion Flange, Pinion (1480 Series Drive Line)	1
66	50499	Companion Flange, Pinion (1550 Series Drive Line)	1
67	4327	Flatwasher, Pinion	1
68	90299	Cotter Pin, Pinion	1
69	4328	Pinion Nut	1
70	100306	Housing Axle	1
71	49014	Plug, Plastic Vent	1
NI	24666	Plug, Drain Housing	1
72	29128	Capscrew, Head to Housing	12
NI	90422	Lockwasher, Head to Housing	12
73	81216	Axle Shaft	2



REAR AXLE AIR BRAKES (EATON)

AXLE MODEL NOS. 18121 - 18221



Courtesy of EATON

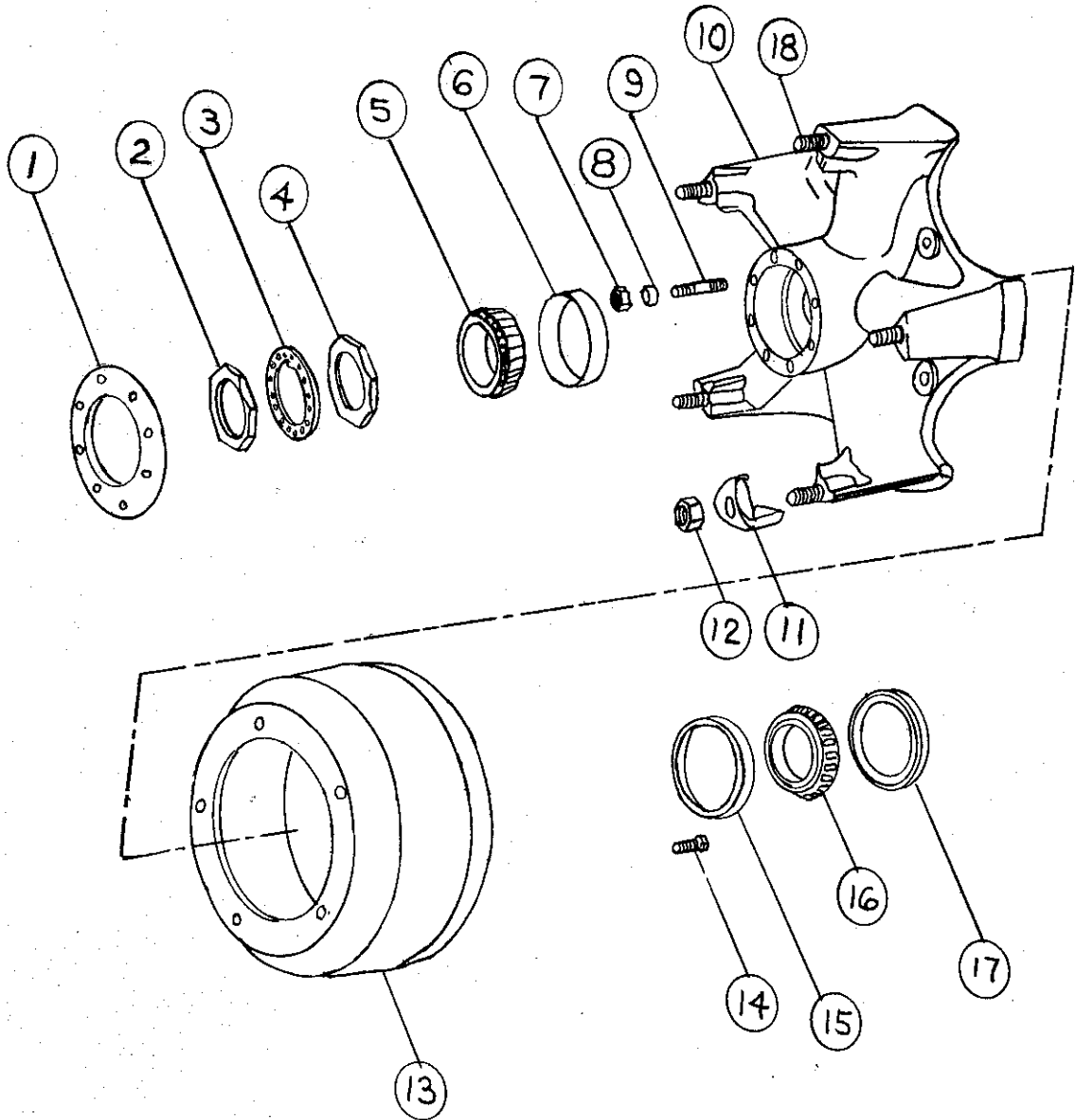
REAR AXLE AIR BRAKES (EATON)

AXLE MODEL NOS. 18121 - 18221

KEY NO.	PART NO.	PART NAME	QTY.
1.	78213	Adjuster, Slack	2
2.	3723	Pin, Cotter	2
2.	35473	Ring, Snap	2
3.	35428	Washer, Camshaft Spacer, (.060 Thick)	2
4.	23570	Washer, Camshaft Spacer, (.032 Thick)	2
5.	43943	Washer, (.060 Thick)	2
6.	40864	Seal, Brake Spider & Camshaft	4
7.	68439	Bushing, Camshaft	4
NI	89516	Bracket Assy; Camshaft & Brake Chamber R.H.	1
8.	89515	Bracket Assy, Camshaft & Brake Chamber L.H.	1
10.	79935	Spider, Brake & Anchor Pin Ass'y. (Casting No. 79900)	2
11.	76294	Camshaft, LH	1
NI	76293	Camshaft, RH	1
12.	70326	Spring, Anchor Pin	4
13.	65046	Spring, Brake Shoe Return	2
14.	54153	Shoe, Only	4
NI	55341	Shoe, W/Lining	4
NI	BF-4311-GD	Kit, Brake Lining 7"	1
15.	39074	Roller, Cam	4
16.	39075	Shaft, Roller	4
NI	88374	Bolt - Brake Ass'y. to Housing	16
NI	29804	Washer - Brake Ass'y. to Housing	16
NI	60600	Nut - Brake Ass'y. to Housing, Bolt	16
17.	0754960	Air Chamber Ass'y., 30" L.H. (Anchorlock)	AR
		Royal Industries, 1126-M-BBB	
NI	0754952	Air Chamber Ass'y., 30" R.H. (Anchorlock)	AR
		Royal Industries, 1125-M-BBB	
NI	0765586	Air Chamber Ass'y., 24" L.H. (Anchorlock)	AR
		Royal Industries, 1134-M-BBB	
NI	0765578	Air Chamber Ass'y., 24" R.H. (Anchorlock)	AR
		Royal Industries, 1134-M-BBB	
18.	2001501	Hex Nut, Thin Chamber (5/8 - 18 NF)	4
19.&20.	0530568	Yoke, Chamber Clevis Pin - Cotter Key	2

REAR AXLE HUBS & DRUMS (EATON)

AXLE MODEL 18121 - 18221 WITH CAST SPOKE WHEELS



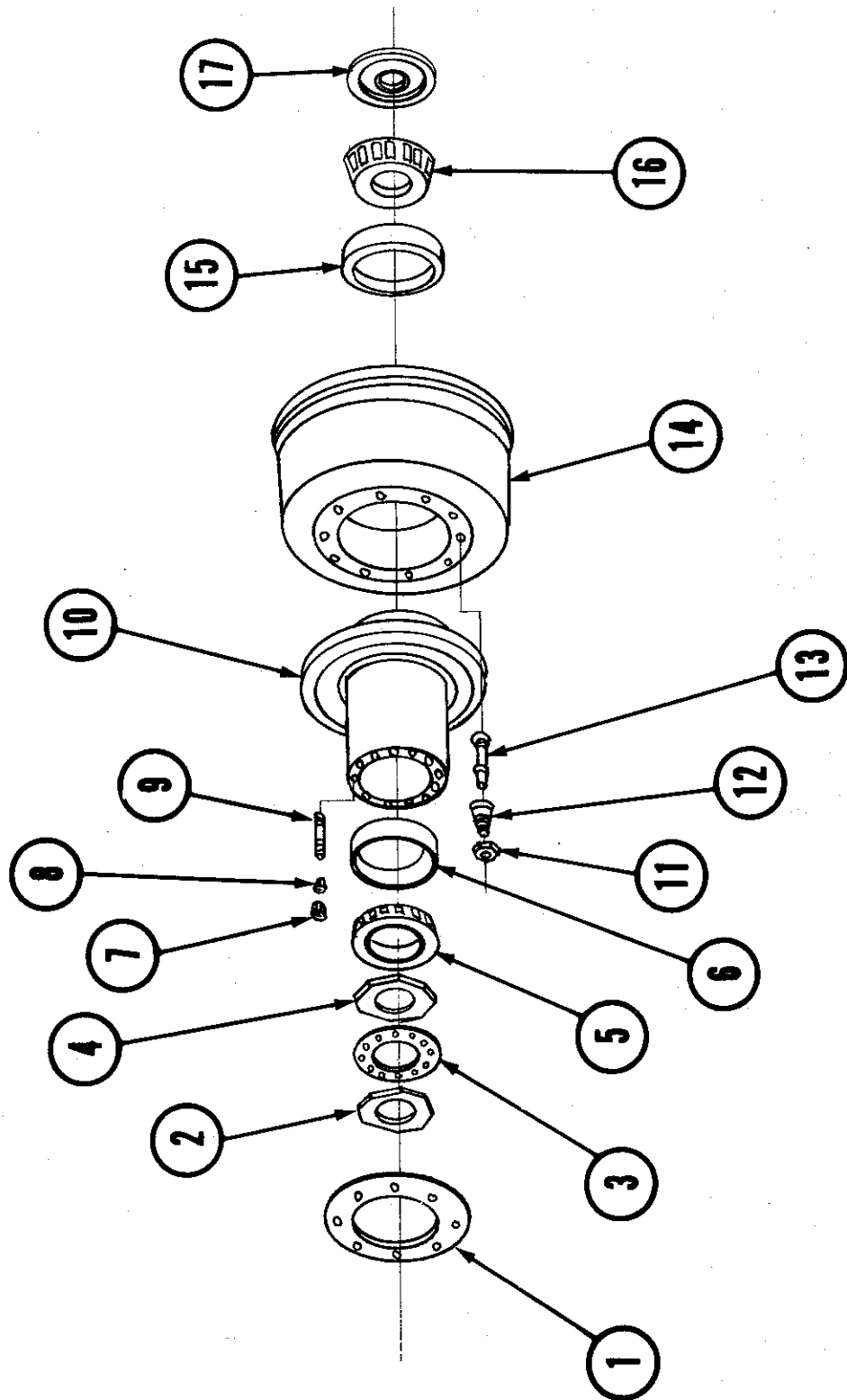
REAR AXLE HUBS & DRUMS (EATON)

AXLE MODEL 18121 - 18221 WITH CAST SPOKE WHEELS

KEY NO.	PART NO.	PART NAME	QTY.
1	13886	Gasket, Axle Shaft	2
2	11249	Nut, Outer Wheel Bearing	2
3	11245	Lock, Wheel Bearing Nut	2
4	78944	Nut, Wheel Bearing, Inner	2
5	34368	Cone, Outer Wheel Bearing (Timken # 580)	2
6	* W-752	Cup, Outer Wheel Bearing (Timken # 572)	2
7	* WP-37	Nut, Drive Flange Stud 5/8" - 18	16
8	13885	Dowel, Tapered Axle Shaft	16
9	* WP-36	Stud, Drive Flange	16
10	* RA-304	Wheel Assy. Spake	16
11	* W-846	Wheel Clamp	2
12	* WP-148	Nut, Wheel Clamp Stud	10
13	* 3037-A	Brake Drum 16½" x 7"	2
14	* W-833	Capscrew, Drum to Wheel 3/4" - 16	10
NI	* W-823	Locknut, Drum to Wheel Capscrew 3/4" - 16	10
NI	* W-834	Lockwasher, Drum to Wheel Capscrew 3/4"	10
15	* W-776	Cup, Inner Wheel Bearing (Timken # 592-A)	2
16	99906	Cone, Inner Wheel Bearing (Timken # 594-A)	2
17	88319	Oil Seal, Inner Wheel Bearing	2
18	* WP-555	Stud, Wheel 3/4"	10
NI	* WP-63	Rim Spacer 20" x 4"	2
NI	* WP-593-10	Lockwasher Drive Flange Stud 5/8"	16

* NOTE: GUNITE DIVISION OF KELSEY HAYES COMPANY

REAR AXLE HUBS & DRUMS (EATON)
Axle Model 18221 with Disc Wheels



REAR AXLE HUBS & DRUMS (EATON)

AXLE MODEL 18221

KEY NO.	PART NO.	PART NAME	QTY
1.	13886	Gasket, axle shaft	2
2.	11249	Nut, (Outer)	2
3.	11245	Lock, Outer nut	2
4.	67594	Nut, (Inner)	2
5.	34368	Cone, Bearing (Outer) (Timken)	2
6.	* 572	Cup, Bearing (Outer) (Timken)	2
7.	90422	Nut, stud, axle shaft	16
8.	13885	Dowel, axle shaft stud	16
9.	* SC-10261	Stud, axle shaft	16
10.	* 333-K-2169	Hub	2
11.	* 1199-M-117	Nut, Cap, (L.H. Outer)	10
NI	* 1199-N-118	Nut, Cap, (R.H. Outer)	10
12.	* 1199-K-115	Nut, Cap, (L.H. Inner)	10
NI	* 1199-J-114	Nut, Cap, (R.H. Inner)	10
13.	* 20-X-639	Stud, Wheel (L.H.)	10
NI	* 20-X-640	Stud, Wheel (R.H.)	10
14.	* 3219-P-4072	Drum & slinger	2
15.	* 99906	Cup, bearing (Inner)(Timken)	2
16.	1228-D-186-B	Cone, bearing (Inner) Timken	2
17.	88319	Seal, hub (Inner)	2
18.	60600	Washer , axle shaft stud	16

*These parts product of Rockwell Company.

New! Eaton® axle head assembly parts kits for differential overhauls.

Single basic package simplifies ordering and inventory control, saves money and eliminates guesswork.

Eaton has developed a new basic head assembly overhaul kit for axle differentials that saves time, money, and paperwork.

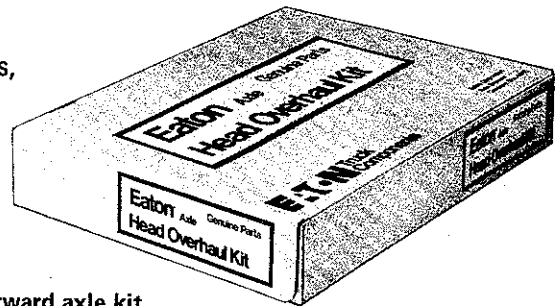
The single part number identifying the kit eliminates the need for ordering individual parts . . . and streamlines inventory control and storage.

Because the kit furnishes all essential parts which should logically be replaced at teardown, it takes the guesswork and error out of ordering and lengthens the time between overhauls.

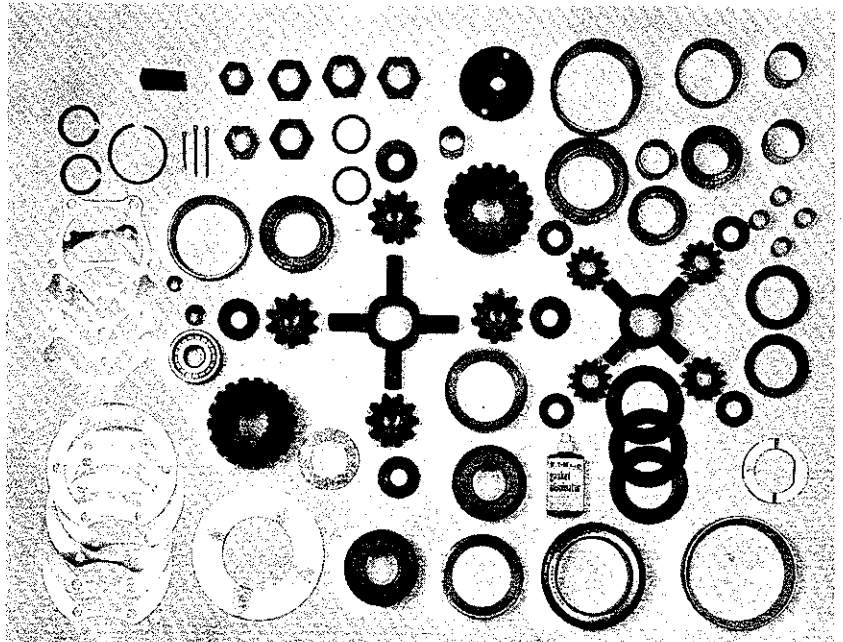
Equally important, the use of genuine Eaton parts assures the same high quality as used in the original production axle.

Typical kit contains . . .

all bearings, gasket compound, oil seals, shims, thrust washers, differential side gears, spider, side gears, and incidental parts required for a good, professional overhaul.



Typical tandem forward axle kit.



<u>AXLE MODEL</u>	<u>KIT NO.</u>
18121	99806
17221	99839
18221	99840

Air Brake Diagrams

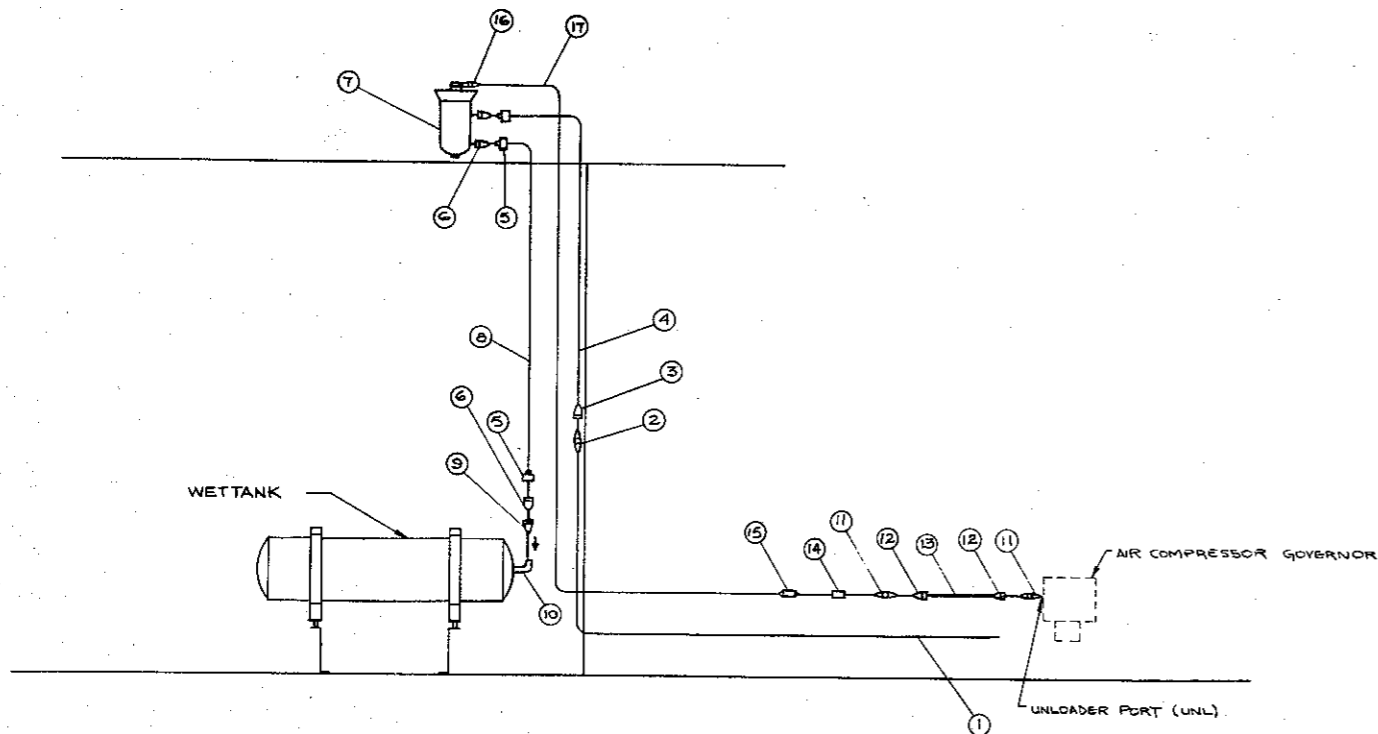
This section contains Brake Diagrams and parts list. For servicing information see maintenance section.

Diagram. B-W Air Dryer



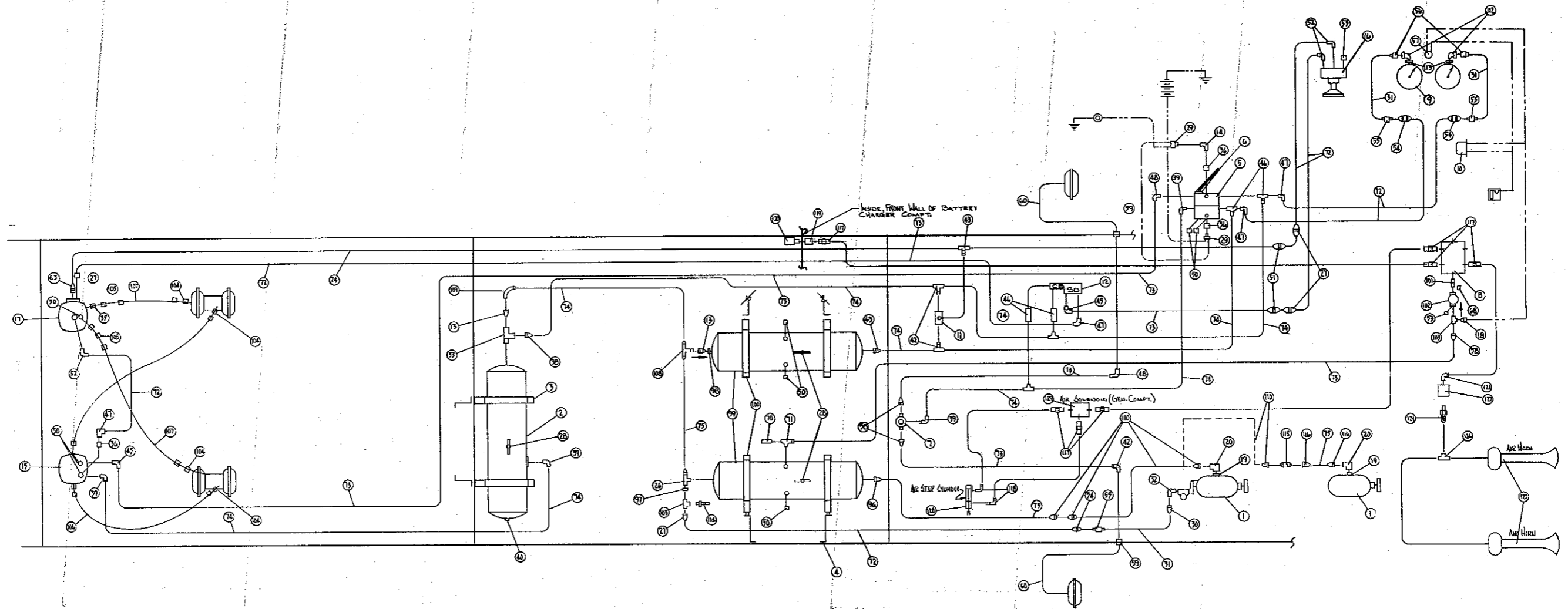
ITEM NO.	QTY.	B.B. NO.	VENDOR NO.	DISCRIPTION
1	—	2027407	—	COPPER TUBING, 5/8"
2	1	2027092	WH110 X10	NUT, FLARE, 5/8" TUBE
3	1	0520890	I.E. BN10-10MS	HOSE END, MALE 45° FLARE, 5/8" TUBE X 1/2 I.D. HOSE
4	—	2027688	I.E. F910	HOSE, 1/2" I.D. X 5/8" OD. X 33" CUT LENGTH
5	3	0520882	I.E. BN10-10NS	HOSE END, FEMALE 45° FLARE SWIVEL, 5/8" TUBE X 1/2 I.D. HOSE
6	3	2026672	HH 48 X10	CONNECTOR, 1/2 M.P.T. X 5/8" TUBE FLARE
7	1	0801373	B-W 286931	AIR DRYER
8	—	2027688	I.E. F910	HOSE, 1/2" I.D. X 5/8" OD. X 36" CUT LENGTH
9	1	0634418	B.W.227871	VALVE SINGLE CHECK, 1/2" PIPE
10	1	2008274	WH 3400 X 8	ELBOW, 90° STREET, 1/2" PIPE
11	2	2026854	WH 200 X 4	CONNECTOR, MALE 1/8" PIPE X 1/4" TUBE
12	2	2020899	I.E. KA04-04MF	CPLG. INVERTED FLARE MALE SWIVEL, 1/4" I.D. HOSE X 1/4" TUBE
13	—	2008324	I.E. B704	HOSE, 1/4" I.D. X 1/2" OD. X 24" CUT LENGTH
14	1	2008209	WH 3300 X Z	COUPLING, 1/8" PIPE (BRASS)
15	1	2023570	B-W205127	CONNECTOR, 1/8" PIPE X 1/4" TUBE
16	1	2023224	B-W205183	CONNECTOR, 1/4" PIPE X 1/4" TUBE
17	—	2008431	—	TUBING, COPPER, 1/4"

FOLD OUT





blue bird wanderlodge



REV.	WAS	REVISIONS	BY	DATE	REL.
DRAWN BY Blue Bird Wanderlodge, Inc. FORT VALLEY, GEORGIA, U.S.A.					
DIAGRAM AIR SYSTEM WANDERLODGE					
DR. 1-10-77	BY: J.P.L.	SIZE			
CH.	BY	C	0692537		
DO NOT SCALE					



blue bird wanderlodge

PARTS LIST
AIR SYSTEM
WANDERLODGE

ITEM NO.	QTY.	B.B. NUMBER	DESCRIPTION
1	1		Air Compressor, 12 CFM
2	1	2023026	Reservoir 8" x 26" - 1240 Cu. in.
3	2	0850578	Reservoir Bracket - 1240
4	4	0558080	Spacer, Air Tank Bracket
5	1	0654533	Valve, Dual Brake, E6
6	1	0654525	Treadle, Dual Brake Valve
	1	0654517	Pin, Fulcrum, Dual Brake Valve Not Shown
	1	0654509	Roll Pin, Fulcrum Not Shown
	1	0654491	Stop Button Not Shown
	1	0654483	Plunger Not Shown
	1	0654475	Boot Not Shown
	3	0654459	Capscrew, 5/16-18NC x 7/8 long
			6.5 Not Shown
	3	2001188	Lockwasher, 5/16 Not Shown
	1	0654467	Mounting Plate Not Shown
7	1	2023075	Valve, Quick Release, 3/8 Pipe Supply
8	1	2023083	Manifold Fitting (Junction Block)
9	2	0804435	Gauge, Air Pressure (Supplied with Instrument Panel)
10	1	2006187	Buzzer, 12 Volt
11	1	0654434	Valve, Double Check, 3/8 Pipe
12	1	0654426	Valve, Spring Brake
13	2	0654418	Valve, Single Check, 1/2 Pipe
14	1	2027233	Elbow, 90° Street, 1/4 Pipe
15	1	0417527	Valve, Relay, R-6
16	1	0654392	Valve, PP-1 Control
17	1	0654400	Valve, Relay, R-8
18	1	0654384	Indicator, Low Pressure, 1/4 Pipe
19	1	2023091	Fitting, Discharge, 1/2" Pipe
20	1	2026706	Elbow, 90° Male, 1/2 Male Pipe x 5/8 Tube
26	1	0609339	Tee, 1/2 Female Pipe x 3/4 Male Pipe x 5/8 Tube
27	4	2023224	Connector, 1/4 Male Pipe x 1/4 Tube
28	3	2023117	Drain Cock, 1/4 Pipe
29	2	0654368	Switch, Stop Light (SL-5) 1/4 Pipe
30	1	2020899	Hose End, Inverted Flare Male Swivel 1/4 Tube x 1/4 O.D. Hose
31		2008324	Hose, 1/4 I.D. x 1/2 O.D.
32	1	2026979	Elbow, Male, Inverted Flare, 1/4 Tube x 1/8 Male Pipe
33	1	0654350	Tee, 1/2 Pipe Street
35	2	2027217	Elbow, 45° Dytry, 1/2 Pipe
36	3	2027134	Bushing, 1/4 x 3/8 Pipe
38	1	2023380	Connector, 1/2 Male Pipe x 1/2 Tube
39	4	2023307	Elbow, 3/8 Male Pipe x 1/2 Tube
40	1	0417550	Plug, 1/2 Pipe
41	2	2023505	Tee, 1/4 Female Pipe x 1/2 Tube x 1/2 Tube
42	2	0556878	Tee, 3/8 Male Pipe x 1/2 Tube x 1/2 Tube
43	1	0654335	Tee, 3/8 Male Pipe x 1/2 Tube x 3/8 Tube
44	2	2009330	Nipple, 1/4 Pipe x 2" Long (Steel)



blue bird wanderlodge

PARTS LIST
AIR SYSTEM
WANDERLODGE

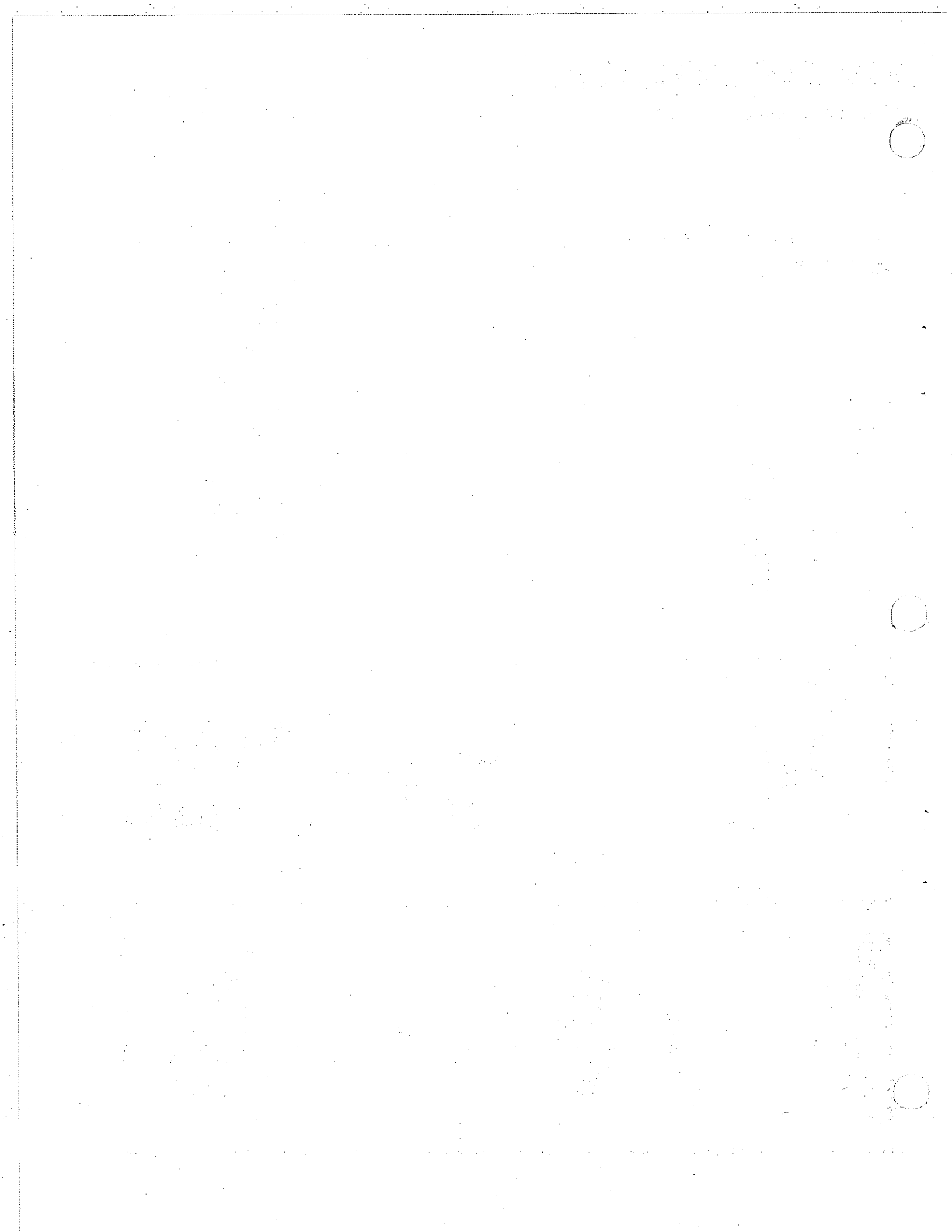
ITEM NO.	QTY.	B.B. NUMBER	DESCRIPTION
45	2	2023190	Elbow, 1/4 Male Pipe x 3/8 Tube
46	2	0654319	Tee, 1/4 Female Pipe x 3/8 Male Pipe x 1/2 Tube
47	4	2023935	Elbow, 1/4 Male Pipe x 1/4 Tube
48	3	2023265	Elbow, 3/8 Male Pipe x 3/8 Tube
50	6	2009595	Plug, 3/8 Pipe
51	2	2023257	Connector, 1/4 Female Pipe x 3/8 Tube
52	3	2023786	Elbow, 1/8 Male Pipe x 1/4 Tube
53	2	2027118	Plug, 1/8 Pipe
54	3	2052736	Union, 1/4 Tube
55	3	2020907	Hose End, Rigid Tube, 1/4 Tube x 1/4 I.D. Hose
56	2	2008191	Hose End, Female 45° Flare Swivel, 1/4 Tube x 1/4 I.D. Hose
57	1	2006807	Light, Pilot, 17/32 Red Lens
58	3	2023182	Connector, 1/4 Male Pipe x 3/8 Tube
59	2	0758698	Anchor Coupling, 3/8 Pipe Tap
60	2	0770909	Hose, Ass'y, 7/16" I.D. x 23" Long
63	2	0558015	Connector, 3/4 Male Pipe x 1/2 Tube
68	1	2023513	Plug, 1/4 Pipe
70	1	0839019	Safety Valve, 1/4 Male Pipe
71	1	0654285	Tee, 1/4 Female Pipe x 3/8 Male Pipe x 3/8 Tube
72		2008431	Copper Tubing, 1/4
73		2027381	Copper Tubing, 3/8
74		2027399	Copper Tubing, 1/2
75		2027407	Copper Tubing, 5/8
96	1	0558023	Connector, 3/4 Male Pipe x 5/8 Tube
97	1	2027159	Bushing, 1/4 x 1/2 Pipe
98	1	2023950	Bushing, 1/2 x 3/4 Pipe (Steel)
99	2	2023042	Reservoir, 9 1/2 x 27 - 1760 Cu. in.
100	4	0850586	Reservoir Bracket - 1760
101	1	2009322	Nipple, 1/4 Pipe Close (Steel)
102	1	0522508	Valve, Pressure Protection, 65 Ps.
103	2	0654277	Tee, 1/4 Pipe Service
104	4	2008282	Elbow, 45° Street, 3/8 Pipe
105	2	2023539	Bushing, 3/8 x 1/2 Pipe
106	2	0770917	Hose Ass'y, 7/16" I.D. x 26" Long
107	2	0770883	Hose Ass'y., 7/16" I.D. x 20" Long
108	1	2023901	Tee, 1/2 MPT x 1/2 Tube x 5/8 Tube
109	1	2023349	Elbow, 1/2 MPT x 1/2 Tube
110	1	0810630	Hose Ass'y., Air Comp. Disch, Telfon, 24" long, 389, 427 & 534
111	1	0810648	Hose Ass'y., Air Comp. Disch, Telfon, 48" long 549, 3208, V504 & 6V53
112	2	2008241	Elbow, Male 1/4 Tube x 1/8 Pipe
113	2	2008209	Coupling, Pipe 1/8
114	1	0818609	Valve, Schrader, 1/4" MPT
115	1	0839001	Union, 5/8 Tube Flare x 5/8 Tube Flare 45°
116	2	2027092	Nut 5/8 Tube Flare 45°



blue bird wanderlodge

PARTS LIST
AIR SYSTEM
WANDERLODGE

ITEM NO.	QTY.	W.L. NUMBER	DESCRIPTION
117	7	2204634	Connector, 1/4 MPT x 1/4 Tube
118	2	2204626	Elbow, 1/4 MPT x 1/4 Tube
119	1	2203354	Coupling, 1/4" Steel w/Pipe Threads
120	1	2204014	Check Unit, Threaded air line 4004-12
121	1	2205110	Elbow, 1/8" MPT x 1/4 Tube
122	1	2206449	Solenoid, Air Horn
124	1	2205128	Union, 1/8 MPT x 1/4 Tube
126	1	2222800	Tee, 1/4 Tube x 1/4 Tube x 1/4 Tube
127	1	2220564	Air Horn, W/L
128	1	2216398	Air Cylinder, Step
129	1	2216208	Solenoid, Air Step

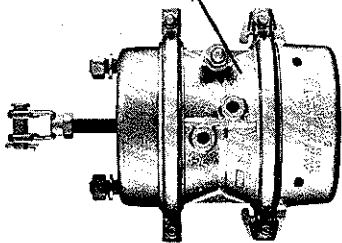


ANCHORLOK

SPRING BRAKES

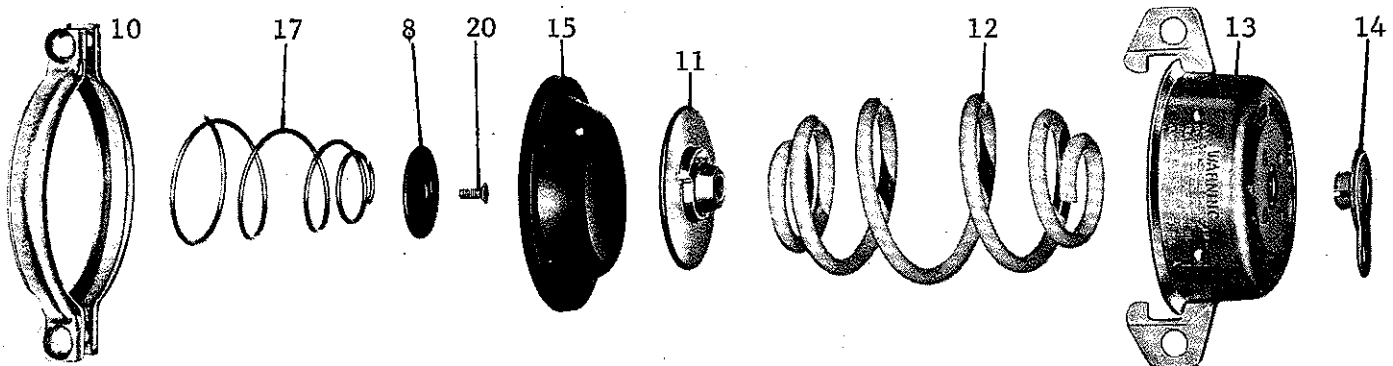
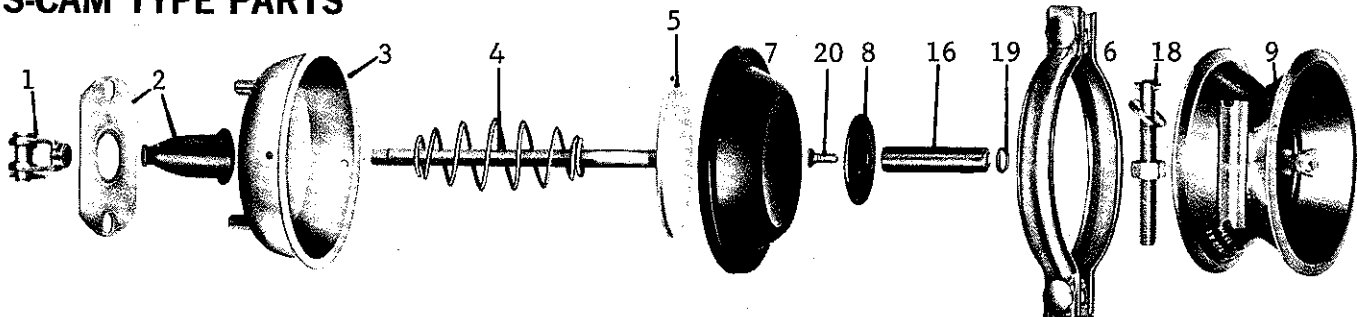
S-CAM TYPE CHAMBER

MODEL NO.



COMPONENT	MODEL	
	2430	3030
1 Clevis Assembly	11M018	11M018
2 Dust Boot Assembly	11M034	11M034
3 Housing Assembly	1127M015	1126M015
4 Return Spring	11M016	11M016
5 Push Rod Assembly	1127M017	1126M017
6 Clamp Assembly	1127M005	1126M005
7 Diaphragm	1127M009	1126M009
8 Plate	11M037	11M037
9 Adapter	1134M001	1126M001
10 Clamp Assembly	1126M005	1126M005
11 Pressure Plate	1126M003	1126M003
12 Compression Spring	1126M006	1126M006
13 Chamber	1126M002	1126M002
14 Plug	11M012	11M012
15 Diaphragm	1126M009	1126M009
16 Adapter Push Rod	1126M038	1126M038
17 Return Spring	11M014	11M014
18 Release Stud Assembly	11M011	11M011
19 "O" Ring	11M114	11M114
20 Nylok Screw	11428R8	11428R8

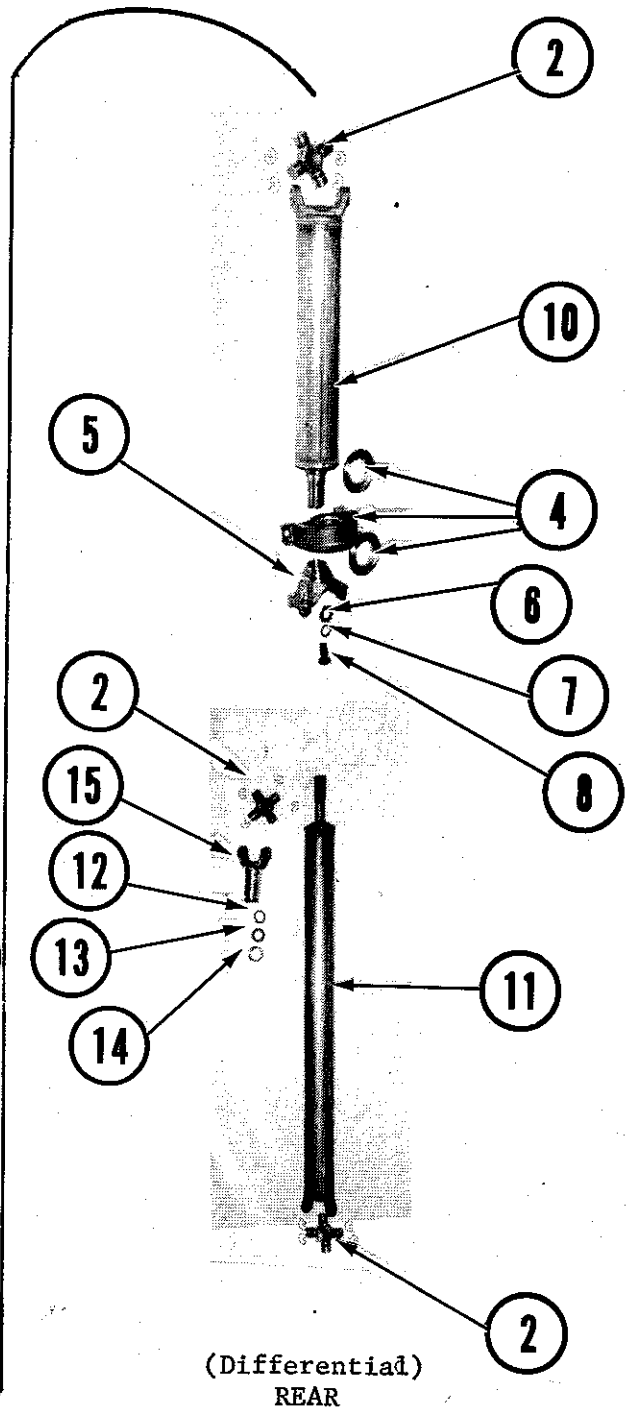
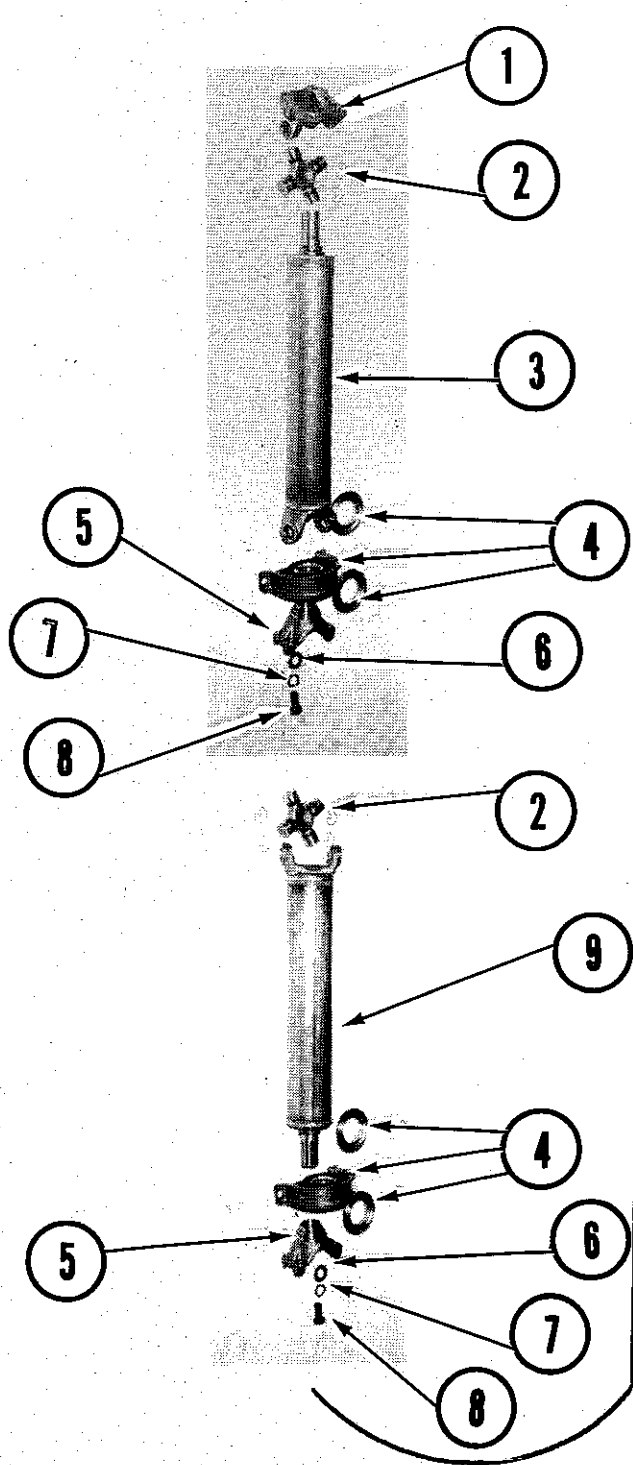
S-CAM TYPE PARTS



DRIVE LINE GROUP

Two Drive Line Series are used - 1480 & 1550. Chassis with Chev. 427 Engines use the 1480 Series. All others use the 1550 Series.

(Transmission)
FRONT



(Differential)
REAR

DRIVE LINE GROUP

KEY NO.	PART NO.	PART NAME	APPLICATION	QTY.
1.	2020261	Flange Yoke, Spicer #3-2-479	1480 Series	1
1.	2020402	Flange Yoke, Spicer #4-2-669	1550 Series	1
2.	2020287	Journal & Bearing Kit Spicer #5-188X	1480 Series	AR
2.	2020428	Journal & Bearing Kit Spicer #5-155X	1550 Series	AR
* 3.	0817312	Shaft, Front Propeller	427A, w/or w/o Handbrake, (1480)	1
* 3.	0817338	Shaft, Front Propeller	427, w/Handbrake, (1480)	1
* 3.	0817353	Shaft, Front Propeller	427, w/o Handbrake, (1480)	1
* 3.	0524116	Shaft, Front Propeller	3208, V504, V555 w/Handbrake, (1550)	1
* 3.	0799635	Shaft, Front Propeller	3208, V504, V555 w/o Handbrake, (1550)	1
* 3.	0608422	Shaft, Front Propeller	3208A, V504A, V555A w/or w/o Handbrake, (1550)	1
* 3.	0667758	Shaft, Front Propeller	6V53 w/Handbrake, (1550)	1
* 3.	0799643	Shaft, Front Propeller	6V53 w/o Handbrake (1550)	1
* 3.	0802355	Shaft, Front Propeller	6V53 w/ or w/o Handbrake, (1550)	1
* 3.	0771733	Shaft, Front Propeller	534A w/or w/o Handbrake (1550)	1
* 3.	0846725	Shaft, Front Propeller	446 w/Handbrake (1550)	1
* 3.	0846717	Shaft, Front Propeller	446 w/o Handbrake (1550)	1
* 3.	0846733	Shaft, Front Propeller	446A w/or w/o Handbrake (1550)	1
4.	2020147	Midship Bearing Ass'y.	All	AR
5.	2020279	End Yoke, Spicer #3-4-3091	1480 Series	AR
5.	2020394	End Yoke, Spicer #4-4-2051	1550 Series	AR
6.	2020154	Flatwasher	All	AR
7.	2020188	Lockwasher	All	AR
8.	2020170	Capscrew, Grade 5	All	AR
* 9.	0318865	Shaft, No. 2 Propeller	179, 224 & 239 W.B. 1480 Series	1
* 9.	0318873	Shaft, No. 2 Propeller	194 & 254 W.B. 1480 Series	1
* 9.	0318881	Shaft, No. 2 Propeller	209 W.B. 1480 Series	1
* 9.	0322255	Shaft, No. 2 Propeller	179, 224, 321 1/2 & 239 W.B. 1550 Series	1
* 9.	0322263	Shaft, No. 2 Propeller	194 & 254 W.B. 1550 Series	1
* 9.	0322271	Shaft, No. 2 Propeller	209 W.B. 1550 Series	1
* 9.	0815407	Shaft, No. 2 Propeller	216 1/2 W.B. 1550 Series	1
* 9.	0817031	Shaft, No. 2 Propeller	186 1/2 W.B. 1550 Series	1
* 9.	0817049	Shaft, No. 2 Propeller	201 1/2 W.B. 1550 Series	1
* 10.	0318873	Shaft, No. 3 Propeller	224 W.B. 1480 Series	1
* 10.	0318881	Shaft, No. 3 Propeller	239 & 254 W.B. 1480 Series	1
* 10.	0322263	Shaft, No. 3 Propeller	224 W.B. 1550 Series	1
* 10.	0322271	Shaft, No. 3 Propeller	239, 246 1/2, 254 W.B. 1550 Series	1
* 10.	0871049	Shaft, No. 3 Propeller	231 1/2 W.B. 1550 Series	1

DRIVE LINE GROUP

KEY NO.	PART NO.	PART NAME	APPLICATION	QTY.
NI	2020162	Midship Stub Shaft	1480 & 1550 Series	1
5	2020279	"U" Bolt End Yoke	1480 Series	1
5	2020394	"U" Bolt End Yoke	1550 Series	1
6	2020154	Flat Washer	1480 & 1550 Series	1
7	2020188	Lock Washer	1480 & 1550 Series	1
8	2020170	Capscrew	1480 & 1550 Series	1
NI	2020220	Stub Ball Yoke & Tube	1480 Series	1
NI	2020337	Stub Ball Yoke & Tube	1550 Series	1
11	0828962	Shaft, Slip Type Propeller	Eaton Axles, Single & Two Speed	1
11	0848424	Shaft, Slip Type Propeller	"R"-155 Axle, Single Speed	1
11	0850990	Shaft, Slip Type Propeller	Eaton Axles, Single & Two Speed W/Mor-Ryde Suspension	1
11	0851014	Shaft, Slip Type Propeller	"R"-155 Axle, Single Speed W/Mor-Ryde Suspension	1
11	0838947	Shaft, Slip Type Propeller	Eaton Axle, Single & Two Speed	1
11	0848440	Shaft, Slip Type Propeller	"R"-155 Axle, Single Speed	1
11	0850958	Shaft, Slip Type Propeller	Eaton Axle, Single & Two Speed W/Mor-Ryde Suspension	1
11	0850933	Shaft, Slip Type Propeller	"R"-155 Axle, Single Speed W/Mor-Ryde Suspension	1
11	0884924	Shaft, Slip Type Propeller	"R"-155 Axle, Single Speed WL, (W/Glide Coat Slip Stub Shaft)	1
12	2020238	Dust Cap, Spicer #3-14-59	1480 Series	1
12	2020352	Dust Cap, Spicer #4-14-69	1550 Series	1
13	2020204	Cork Washer, Spicer #3-16-103	1480 Series	1
13	2020311	Cork Washer, Spicer #4-16-143	1550 Series	1
14	2020246	Steel Washer, Spicer #3-15-63	1480 Series	1
14	2020360	Steel Washer, Spicer #4-15-13	1550 Series	1
15	2020253	Sleeve Yoke, Spicer #3-3-1601-X	1480 Series	1
15	2020345	Sleeve Yoke, Spicer #4-3-1241-X	1550 Series	1
NI	0763540	Axle End Yoke Eaton #42200	Eaton Axle-1480 Series	1
NI	0766592	Axle End Yoke Eaton #50499	Eaton Axle-1550 Series	1
NI	2020196	"U" Bolt Ass'y., Spicer #3-94-28X	ALL	AR
NI	0138362	Guard, Front Propeller Shaft	ALL	1
NI	0163378	Guard, #2 & 3 Propeller Shaft	ALL	AR

DRIVE LINE GROUP

<u>KEY NO.</u>	<u>PART NO.</u>	<u>PART NO.</u>	<u>APPLICATION</u>	<u>QTY.</u>
NI	0119784	Guard, Slip Type Propeller Shaft	All	1
NI	2027431	Grease Fitting (Zerk-Sleeve) Dalzrank B610MH-800216	All	

AR - AS REQUIRED

*NOTE: Item No. 3, Shaft, Front Propeller,
No. 9, Shaft, No. 2 Propeller,
No. 10, Shaft, No. 3 Propeller, include:

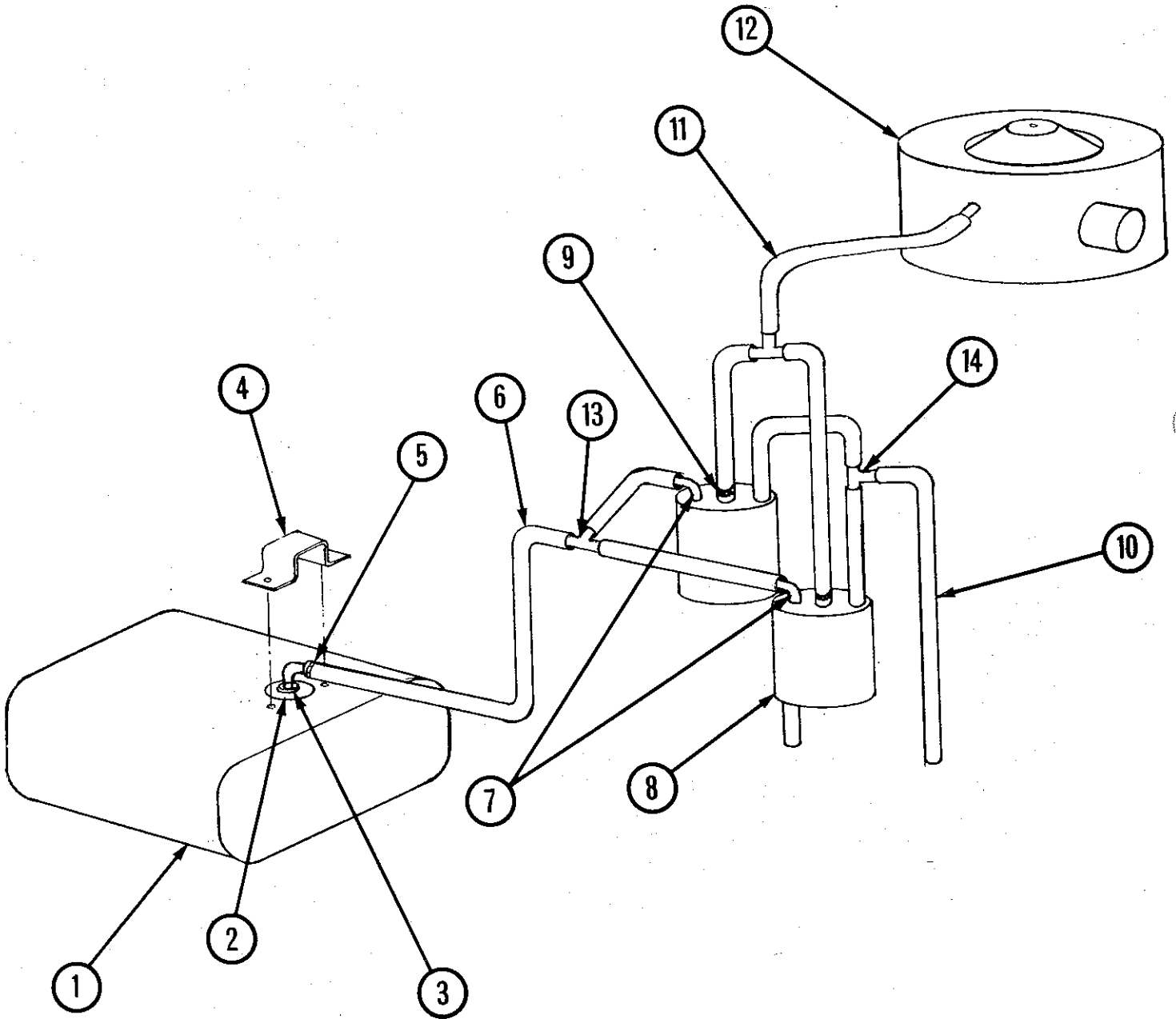
NI	2020162	Midship Stub Shaft	1480 & 1550 Series
5.	2020279	"U" Bolt End Yoke	1480 Series
5.	2020394	"U" Bolt End Yoke	1550 Series
6.	2020154	Flat Washer	1480 & 1550 Series
7.	2020188	Lock Washer	1480 & 1550 Series
8.	2020170	Capscrew	1480 & 1550 Series
NI	2020220	Stub Ball Yoke & Tube	1480 Series
NI	2020337	Stub Ball Yoke & Tube	1550 Series

**NOTE: Item No. 11, Shaft Slip Type Propeller includes:

15.	2020253	Sleeve Yoke	1480 Series
15.	2020345	Sleeve Yoke	1550 Series
NI	2027431	Zerk - Sleeve	1480 & 1550 Series
12.	2020238	Dust Cap	1480 Series
12.	2020352	Dust Cap	1550 Series
14.	2020246	Steel Washer	1480 Series
14.	2020360	Steel Washer	1550 Series
13.	2020204	Cork Washer	1480 Series
13.	2020311	Cork Washer	1550 Series
NI	2020212	Slip Stub Shaft	1480 Series
NI	2020329	Slip Stub Shaft	1550 Series
NI	2020220	Stub Ball Yoke & Tube	1480 Series
NI	2020337	Stub Ball Yoke & Tube	1550 Series

CALIFORNIA GASOLINE ENGINE POWERED VEHICLES ONLY

Emission systems must be checked periodically as required by Ford Motor Company, by an authorized Ford Dealership, or other factory trained mechanic to comply with California Air Resources Board Standards. Refer to Ford's emission control maintenance sheet supplied with your vehicle.



CALIFORNIA EMISSION SYSTEM - Gas Engine Only

KEY NO.	PART NO.	PART NAME	QTY.
1.	0884510	Tank, 60 Gal., Safety w/Fuel Vapor	1
NI	0757161	Tank, Fuel, Wanderlodge	1
2.	0620898	Gasket, Fuel Vapor Valve - Ford #D3TZ-9J588-A	1
3.	0620906	Ass'y., Fuel Vapor Valve - Ford #D3TZ-98593-B	1
4.	0620914	Shield, Fuel Vapor Valve - Ford #D3TZ-98106-A	1
5.	0620930	Clamp, Vapor Fuel Line	1
6.	0620922	Tube, Vapor Fuel Line - Ford #DOHA-2B478BA	12 Ft.
7.	0620948	Elbow, Canister Vapor Fuel - Ford #D3TZ-9E796-A	2
8.	0671941	Canister, Fuel Vapor - Ford #D3HZ-9D653-B	2
NI	0620963	Bracket, Fuel Vapor Canister - Ford #D3TZ-9D664-C	2
NI	0620856	Bracket, Canister Mounting	2
9.	2008522	Clamp, Hose - Ideal #5216	5
10.	2003366	Hose, 3/4 I.D. (Hose to Fresh Air)	36"
11.	2003366	Hose, 3/4 I.D. (Hose to Carburetor)	36"
12.	0651042	Air Cleaner - Ford #D3JL-9600-A	1
13.	0654541	Tee, 3/8 x 3/8 x 3/8 Tube	1
14.	0769828	Tee, 3/4 Hose	2

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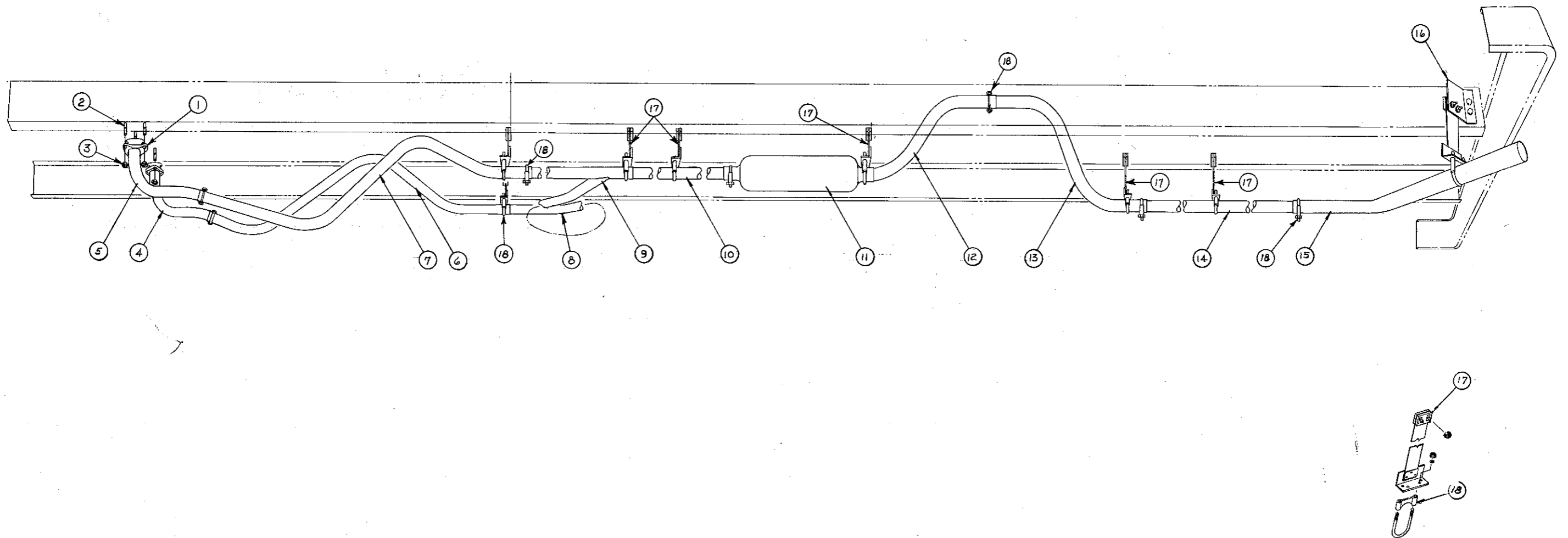
EXHAUST SYSTEM

Blue Bird Chassis are equipped with one of two basic Exhaust Systems, depending on the type engine used. The Chevrolet 427 & IHC 446 are equipped with a single 3 1/2" diameter exhaust pipe system. All other engines use a single 4" diameter exhaust pipe system.

WHEN ORDERING PARTS ALWAYS GIVE THE BODY SERIAL NUMBER, CHASSIS NUMBER, CHASSIS SERVICE NUMBER, PART NUMBER OF EACH PART, AND COMPLETE PART DESCRIPTION.

IMPORTANT

WHEN ORDERING EXHAUST PARTS BE SURE TO GIVE IN ADDITION TO THE ABOVE INFORMATION THE TYPE ENGINE YOUR CHASSIS HAS, BODY MODEL, WHEELBASE, FUEL TANK SIZE, AND LOCATION OF TIRE CARRIER OR COMPARTMENT.



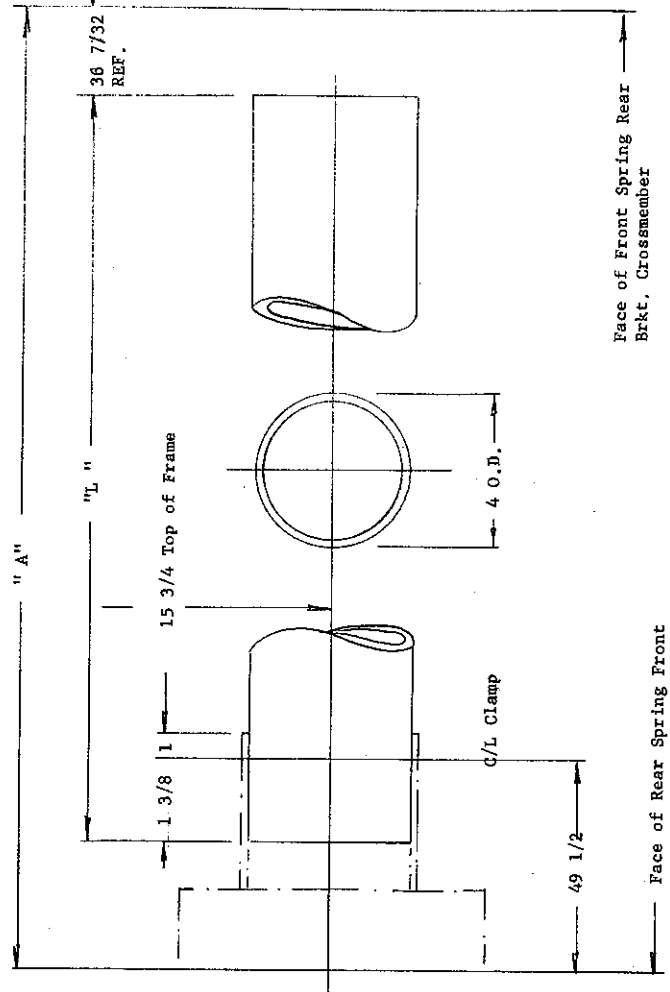
EXHAUST SYSTEM

Y NO.	PART NO.	PART NAME	APPLICATION	QTY.
1	0560953	Flange, (G.M. # 3915125)	427	2
2	0657643	Stud (G.M. # 3760425)	427	6
3	0560946	Nut (G.M. # 9434263)	427	6
NI	0560938	Gasket, (G.M. # 3768711)	427	2
NI	0802066	Clamp Assy.	534	2
NI	0559278	Clamp Assy.	V-504	2
NI	0821983	Clamp Assy.	V-555	2
NI	0668624	Clamp Assy.	6V-53	2
4	0893313	Engine Exhaust Pipe R.H.	427	1
4	0816991	Engine Exhaust Pipe R.H.	534	1
4	0617811	Engine Exhaust Pipe R.H.	3208	1
4	0651620	Engine Exhaust Pipe R.H.	V-504	1
4	0822395	Engine Exhaust Pipe R.H.	V-555	1
5	0667329	Engine Exhaust Pipe L.H.	6V-53	1
5	0893313	Engine Exhaust Pipe L.H.	427	1
5	0816991	Engine Exhaust Pipe L.H.	534	1
5	0620542	Engine Exhaust Pipe L.H.	3208	1
5	0651612	Engine Exhaust Pipe L.H.	V-504	1
5	0822387	Engine Exhaust Pipe L.H.	V-555	1
5	0667352	Engine Exhaust Pipe L.H.	6V-53	1
6	0597708	Front Exhaust Pipe R.H.	427	1
6	0358036	Front Exhaust Pipe R.H.	534	1
6	0358036	Front Exhaust Pipe R.H.	3208	1
6	0358036	Front Exhaust Pipe R.H.	V-504	1
6	0358036	Front Exhaust Pipe R.H.	V-555	1
7	0817528	Front Exhaust Pipe L.H.	427	1
7	0358036	Front Exhaust Pipe L.H.	534	1
7	0358036	Front Exhaust Pipe L.H.	3208	1
7	0358036	Front Exhaust Pipe L.H.	V-504	1
7	0358036	Front Exhaust Pipe L.H.	V-555	1
8	0827048	Crossover Pipe	3½" Dia System	1
8	0815415	Crossover Pipe	4" Dia System	1
9	0827063	Exhaust Pipe "Y" Assy.	3½" Dia System	1
9	0815423	Exhaust Pipe "Y" Assy.	4" Dia System	1
10		Rear Exhaust Pipe (See Chart 0827956 page 78)	3½" Dia System	1
10		Rear Exhaust Pipe (See Chart 0815464 page 77)	4" Dia System	1
11	0377424	Muffler (Donaldson MSM09-0115)	3½" Dia System	1
11	0815464	Muffler (Donaldson MSM09-0142)	4" Dia System	1
12	0768036	Front Tail Pipe, FWD Section	3½" Dia System	1
12	0815472	Front Tail Pipe, FWD Section	4" Dia System	1
13	0768002	Front Tail Pipe, Rear Section	3½" Dia System	1
13	0815480	Front Tail Pipe, Rear Section	4" Dia System	1
NI	0827972	Adapter (Used with Tire Carrier or Compartment on L.H. Side)	3½" Dia System	1
NI	0815506	Adapter (Used with Tire Carrier or Compartment on L.H. Side)	4" Dia System	1
14		Rear Tail Pipe (See Chart 0770255 page 79)	3½" Dia System (STD)	1
14		Rear Tail Pipe (See Chart 0827964 page 80)	3½" Dia System (Used w/Adapter)	1
14		Rear Tail Pipe (See Chart 0815514 page 81)	4" Dia System (STD)	1

EXHAUST SYSTEM (Cont'd.)

KEY NO.	PART NO.	PART NAME	APPLICATION	QTY.
14		Rear Tail Pipe (See Chart 0815522 page 82)	4" Dia System (Used w/Adapter)	1
15	0770255	Tail Pipe End	3½" Dia System	1
15	0815605	Tail Pipe End	4" Dia System	1
16	0662072	Bracket, Tail Pipe End.	All STD Systems	1
			used w/Extended Pipes	
16	0663518	Bracket, Tail Pipe End	All STD Systems	1
			used w/Extended Pipes	
17	0867549	Hanger Bracket (Short)	Fwd of Rear Axle	AR
17	0867572	Hanger Bracket (Long)	Behind Rear Axle	AR
18	2019370	"U" Bolt Assy. (Complete)	3½" Dia System	AR
18	2106763	"U" Bolt Assy. (Complete)	4" Dia System	AR
18	0805176	"U" Bolt Assy. (Complete)	2½" Dia System	AR
NI	0863498	Pipe, Exhaust Front	446	2
			446A	1
NI	0847244	Flange, Connecting, Engine Exhaust	446, 446A	1
NI	0863472	Pipe Assy, Engine Exhaust, LH	446, 446A	1
NI	0863480	Pipe Assy, Engine Exhaust, RH	446, 446A	1
NI	0863175	Pipe Assy, Engine Exhaust Front Over-Axle, LH	446A	1
NI	0863191	Pipe, Exhaust, Front, Long, LH	446A	1
NI	0863183	Pipe, Exhaust, Front, Short, LH	446A	1

LENGTH STOCKED	LENGTH REQUIRED	DATE INA.	DATE ADDED	USAGE	DIM. "A"
24'	43 1/2			179	128 27/32
24'	51			186 1/2	136 11/32
24'	58 1/2			194	143 27/32
24'	66			201 1/2	151 11/32
24'	73 1/2			209	158 27/32
24'	81			216 1/2	166 11/32
24'	88 1/2			224	173 27/32
24'	97			231 1/2	181 11/32
24'	103 1/2			239	188 27/32
24'	111		10-76	246 1/2	196 11/32
24'	118 1/2		10-76	254	203 27/32



MATERIAL : 4" O.D. x 16 GA. Seam Welded Steel Tubing

LET.	WAS	REVISIONS	BY	DATE	REL.	SCALE
A	Wheelbases Added (Redrawn)			12-27-76	JF	

BLUE BIRD BODY CO.
FORT VALLEY, GEORGIA, U. S. A.

TOLERANCE ON ALL DIMENSIONS IS, PLUS OR MINUS		UNLESS OTHERWISE SPECIFIED.	
INACTIVATES NOS.		OG14-099	
REPLACED BY NOS.			

CHART, EXHAUST PIPE, REAR.
4 O.D.

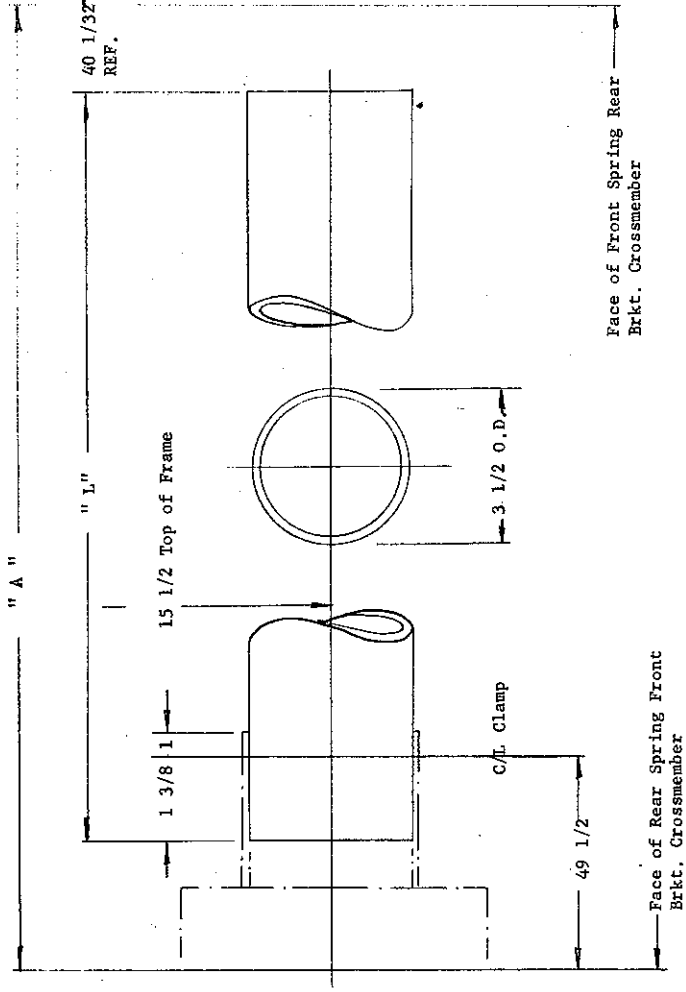
DR. 10-29-76 BY JFW
CK. 11-1-76 BY JFW

DO NOT SCALE

SIZE B

0815464

LENGTH STOCKED	LENGTH REQUIRED	DATE INA.	DATE ADDED	USAGE		DIM, "A"
				WHEELBASE		
24'	10 1/2				149	98 27/32
24'	40 1/2				179	128 27/32
24'	48		10-76		186 1/2	136 11/32
24'	55 1/2				194	143 27/32
24'	63		10-76		201 1/2	151 11/32
24'	70 1/2				209	158 27/32
24'	78		10-76		216 1/2	166 11/32
24'	85 1/2				224	173 27/32
24'	93		10-76		231 1/2	181 11/32
24'	100 1/2				239	188 27/32
24'	108		10-76		246 1/2	196 11/32
24'	115 1/2		10-76		254	203 27/32



MATERIAL : 3 1/2 O.D. x 16 GA. Seam Welded Steel Tubing

LET.	WAS	REVISIONS	BY	DATE	REL
A		Wheelbases Added (Redrawn)		12-21-76	24

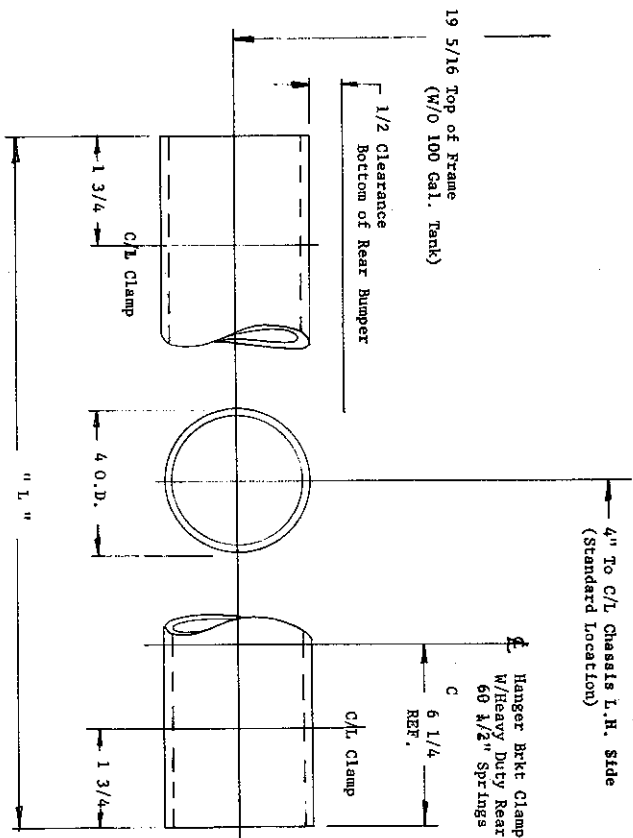
SCALE
BLUE BIRD BODY CO.
 FORT VALLEY, GEORGIA, U. S. A.

CHART, EXHAUST PIPE, REAR.
 3 1/2 O.D.
 TOLERANCE ON ALL DIMENSIONS IS, PLUS OR MINUS UNLESS OTHERWISE SPECIFIED.
 INACTIVATES NOS.
 REPLACED BY NOS. 0827956
 DR. 10-29-76 BY JTW
 CK. 11-2-76 BY [Signature]
 DO NOT SCALE
 SIZE B

LENGTH STOCKED	LENGTH REQUIRED	DATE INA.	DATE ADDED	USAGE	
				BODY MODEL	WHEELBASE
24'	27 9/32			2510	149
24'	34 9/32			2605	149
24'	41 9/32			2700	149
24'	32 9/32			2809	179
24'	39 9/32			2904	179
24'	46 9/32			2911	179
24'	53 9/32			3006	179
24'	60 9/32			3101	179
24'	52 25/32		10-76	3101	186 1/2
24'	45 9/32			3101	194
24'	52 9/32			3108	194
24'	59 9/32			3203	194
24'	65 25/32		10-76	3305	201 1/2
24'	58 9/32			3305	209
24'	65 9/32			3400	209
24'	72 9/32			3407	209
24'	71 25/32		10-76	3502	216 1/2
24'	64 9/32			3502	224
24'	78 25/32		10-76	3509	216 1/2
24'	71 9/32			3509	224
24'	85 9/32		10-76	3611	224
24'	77 25/32		10-76	3611	231 1/2
24'	70 9/32			3611	239
24'	84 25/32		10-76	3706	231 1/2
24'	77 9/32			3706	239
24'	90 25/32		10-76	3903	246 1/2
24'	83 9/32		10-76	3903	254
24'	66		2-77	3006 WL	179
24'	72		2-77	3203 WL	194
24'	77 1/2		2-77	3407 WL	216.5

(B) (B) (B)

NOTE : Tail Pipe End No. 0815605 used with this part.
 MATERIAL : 4 " O. D. x 16 GA. Seam Welded
 Steel Tubing, No. 0818825



TOLERANCE ON ALL DIMENSIONS IS PLUS	UNLESS OTHERWISE SPECIFIED.
OR MINUS	
INACTIVATES NOS.	077024S
REPLACED BY NOS.	

REV.	DATE	BY	REVISIONS
A			
B			
C			
D			
E			
F			
G			
H			
I			
J			
K			
L			
M			
N			
O			
P			
Q			
R			
S			
T			
U			
V			

RELEASED 12-21-92

DR. 10-29-76 BY JYW

CR. 11-2-76 BY JAW

DO NOT SCALE

SIZE B

0815514

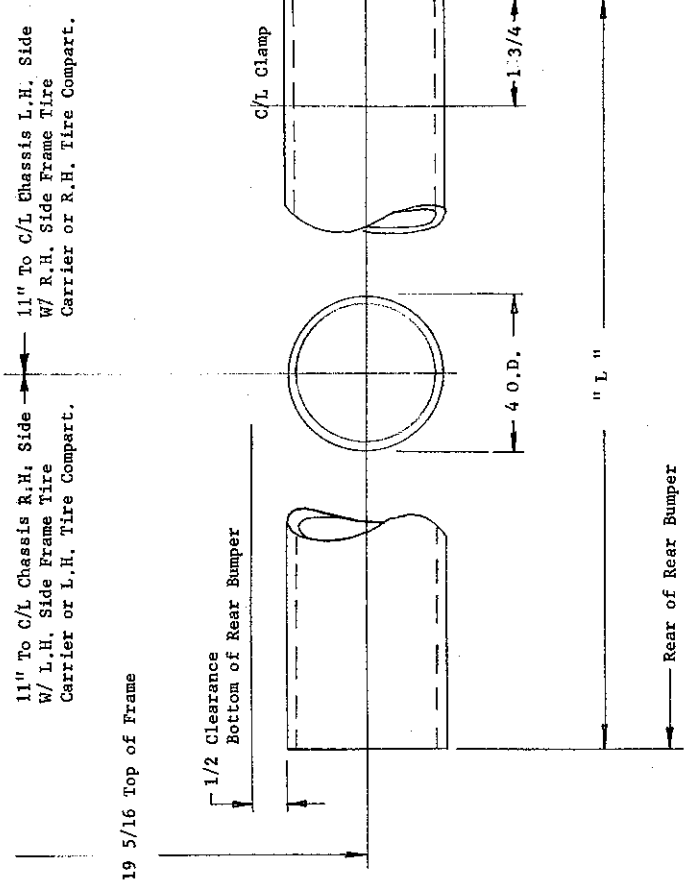
CHART: TAIL PIPE, REAR.

A. O. D.

BLUE BIRD BODY CO.

FORT VALLEY, GEORGIA, U. S. A.

LENGTH BROCKED	LENGTH REQUIRED	DATE INA.	DATE ADDED	USAGE	
				BODY MODEL	WHEELBASE
24'	3			2510	149
24'	7			2605	149
24'	7			2700	149
24'	7			2809	179
24'	7			2904	179
24'	11 27/32			2911	179
24'	18 27/32			3006	179
24'	25 27/32			3101	179
24'	18 11/32	10-76		3101	186 1/2
24'	10 27/32			3101	194
24'	17 27/32			3108	194
24'	24 27/32			3203	194
24'	31 11/32	10-76		3305	201 1/2
24'	23 27/32			3305	209
24'	30 27/32			3400	209
24'	37 27/32			3407	209
24'	37 11/32	10-76		3502	216 1/2
24'	29 27/32			3502	224
24'	44 11/32	10-76		3509	216 1/2
24'	36 27/32			3509	224
24'	50 27/32	10-76		3611	224
24'	43 11/32	10-76		3611	231 1/2
24'	35 27/32			3611	239
24'	50 11/32	10-76		3706	231 1/2
24'	42 27/32			3706	239
24'	56 11/32	10-76		3903	246 1/2
24'	48 27/32	10-76		3903	254



NOTE : Tail Pipe Adapter 0815506 used with this part.
Tail Pipe End 0815605 used with this part.

MATERIAL : 4" O.D. x 16 GA. Seam Welded
Steel Tubing, No. DB18625.

LET.	WAS	REVISIONS	BY	DATE
A		Wheelbases Added (Redrawn)		12-2-76
RELEASED 12-2-76				
SCALE				
BLUE BIRD BODY CO. FORT VALLEY, GEORGIA, U.S.A.				
CHART, TAIL PIPE, REAR, FOR L.H. TIRE				
CARRIER OR L.H. TIRE COMPARTMENT				
4 O.D.				
DR. 10-29-76 BY JFW				
CK. 11-2-76 BY [Signature]				
DO NOT SCALE				
SIZE				B
0815522				V

TOLERANCE ON ALL DIMENSIONS IS, PLUS
OR MINUS [] UNLESS OTHERWISE SPECIFIED.

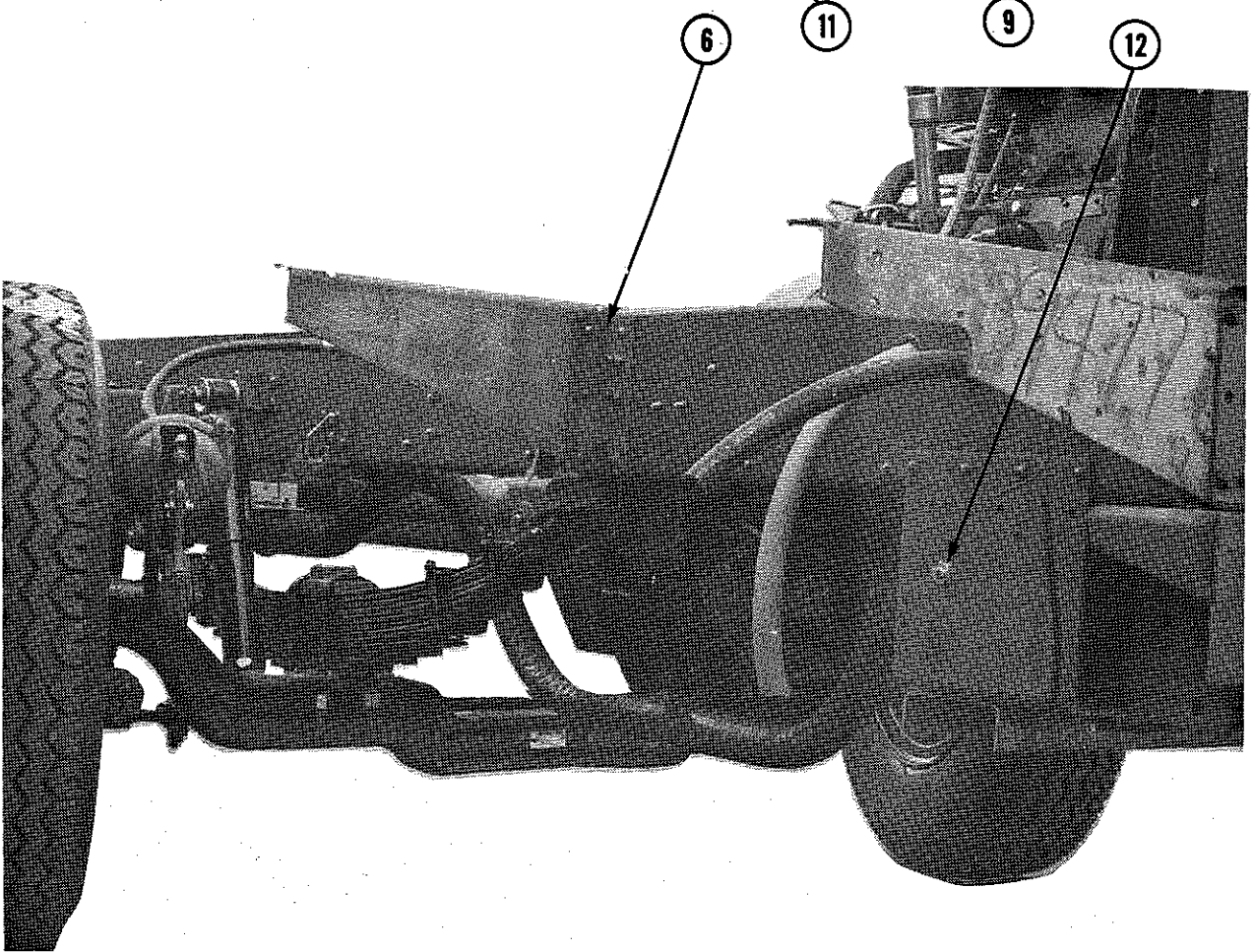
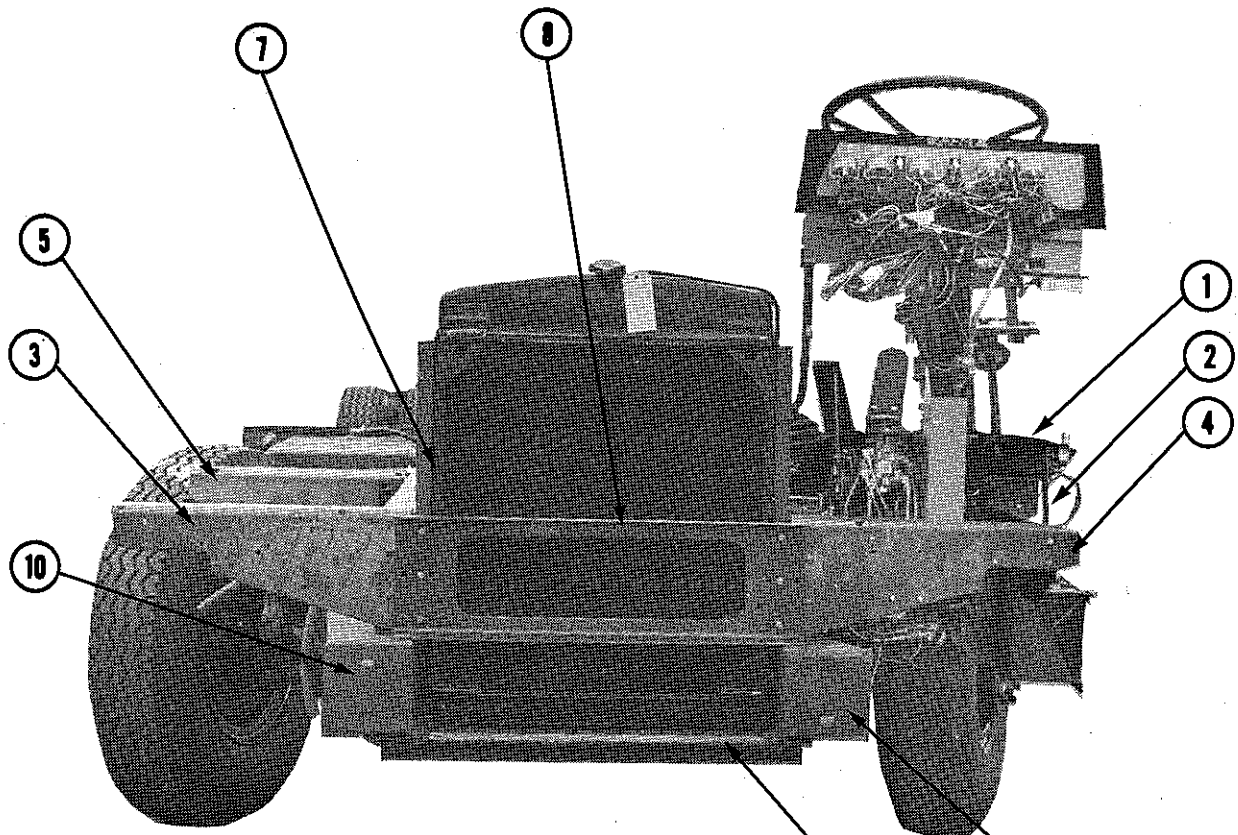
INACTIVATES NOS. 0770297, 0770305

REPLACED BY NOS. []

FRONT CHASSIS GROUP AND RADIATORS

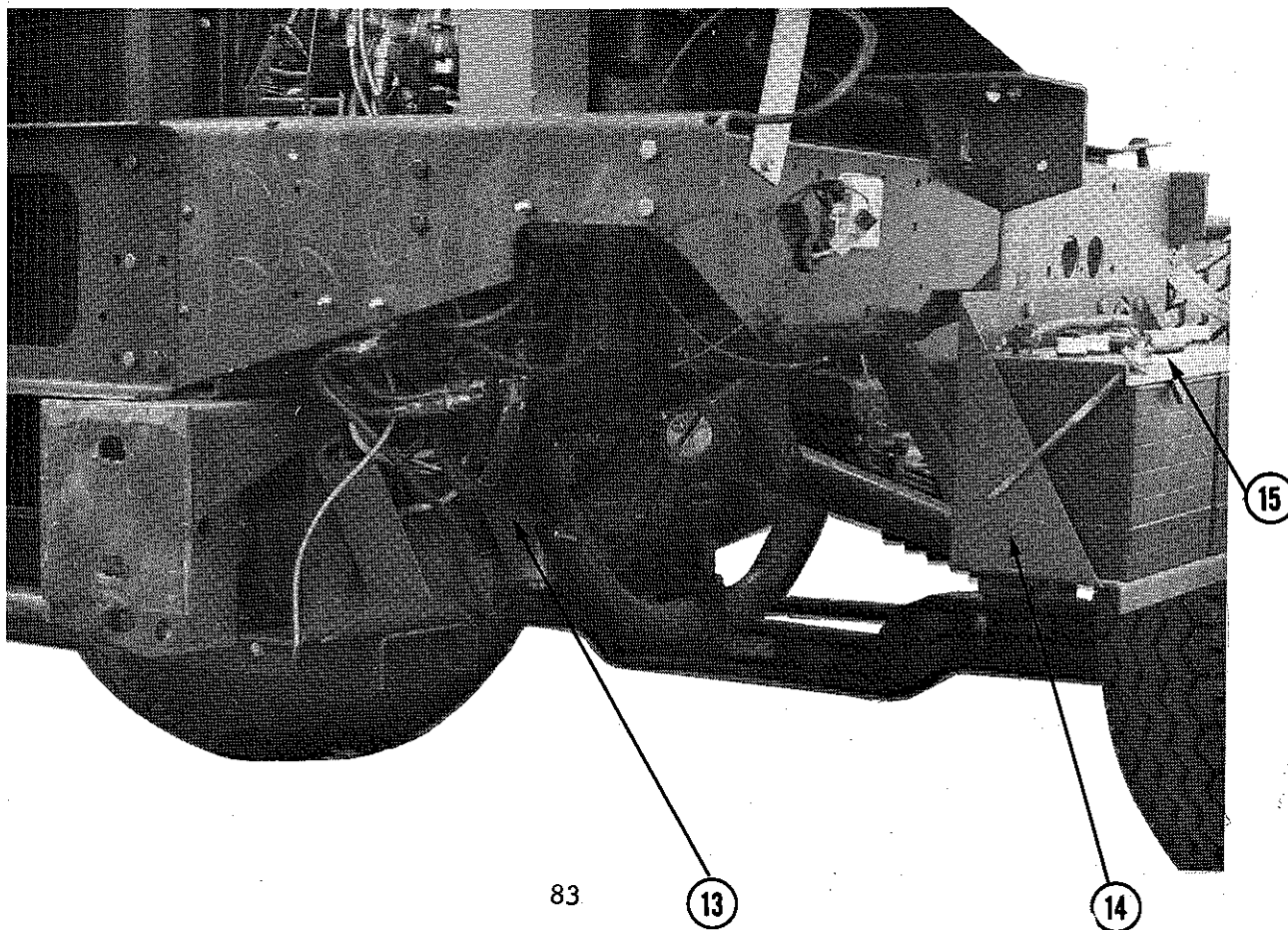
Radiator and accessories are listed for your convenience. When parts are available from more than one manufacturer, both part numbers and manufacturers are given.

WHEN ORDERING PARTS ALWAYS GIVE THE BODY SERIAL NUMBER, CHASSIS SERIAL NUMBER, FACTORY SERVICE NUMBER, PART NUMBER OF EACH PART AND COMPLETE PART DESCRIPTION.



FRONT CHASSIS GROUP

KEY NO.	PART NO.	PART NAME	APPLICATION	QTY.
	0653014	Toeboard Power Steering	All	1
2	0822239	Support, Toeboard L.H.	All	1
3	0540104	Outrigger, Front R.H.	All	1
4	0539551	Outrigger, Front L.H.	All	1
NI	0135145	Outrigger, Rear L.H.	All	1
5	0340794	Outrigger, Rear R.H.	All	2
6	0135152	Angle, Rear Outrigger	All	2
NI	0520775	Angle, Front Outrigger	All	2
7		Radiator & Radiator Post	See Radiator Group	
8	0566729	Crossmember Front	All W/O Kysor Shutter	1
NI	0566711	Crossmember Front	All W/Kysor Shutter	1
9	0802223	Bracket Assy., Front Bumper LH	All	1
10	0802215	Bracket Assy., Front Bumper RH	All	1
NI	2007631	Hook Tow LH	All	1
NI	2007623	Hook Tow RH	All	1
NI	0357590	Brace Front Tow Hook L.H.	All	1
NI	0357582	Brace Front Tow Hook R.H.	All	1
11	0520718	Brace Assy.. Front Bumper Bracket	All	1
12	2023232	Anchor Coupling	All w/air door	1
NI	0647073	Brace, Steering Gear Lower	All	1
NI	0756585	Bracket Assy., Steering Gear	All	1
NI	2025161	Bracket, Horn Mounting, Delco Remy #1958666	All	2



FRONT CHASSIS GROUP

KEY NO.	PART NO.	PART NAME	APPLICATION	QTY.
13	2025153	Horn, High Note - Delco Remy #9000514	All	2
13	2025146	Horn, Low Note - Delco Remy #9000513	All	2
NI	0521781	Relay Horn - Delco Remy #1115811	All	2
NI	2025179	Nut, Horn Mounting - Delco Remy #1965698	All	As Req.
14	0359224	Box Assy., Battery	All except v-504, with V555, 5652B, V504A, V555	1
NI	0757062	Box Assy., Battery - Two Batteries	160 Amp V-504, V-504A	1
15	0359166	Angle, Battery Clamping	All except V504, w/ 5652B, V504A	1
NI	0543835	Angle, Battery Clamping	V504 V504A	1
NI	0543801	Cover Assy., Voltage Regulator	All	1
NI	0819318	Bracket, Voltage Regulator Mounting	All	1
NI	0413526	Plate quick starting aid mounting	V504, V504A	1
NI	0413559	Bracket, quick starting aid mounting	V504, V504A	1
NI	0553131	Battery Cable Junction	V504, V504A	1
NI	0558742	Brace Assy., steering Gear Rear	All	1
NI	0322776	Bracket Clutch slave cyl.	V504, GM 6V-53	1
NI	0811679	Bracket Clutch slave cyl.	427	1
NI	0811687	Bracket Clutch slave cyl. w/o handbrake	427, V504, 3208, 6V-53	1
NI	0752980	Crossmember, Spring Bracket	All W/AC Skid Control	1

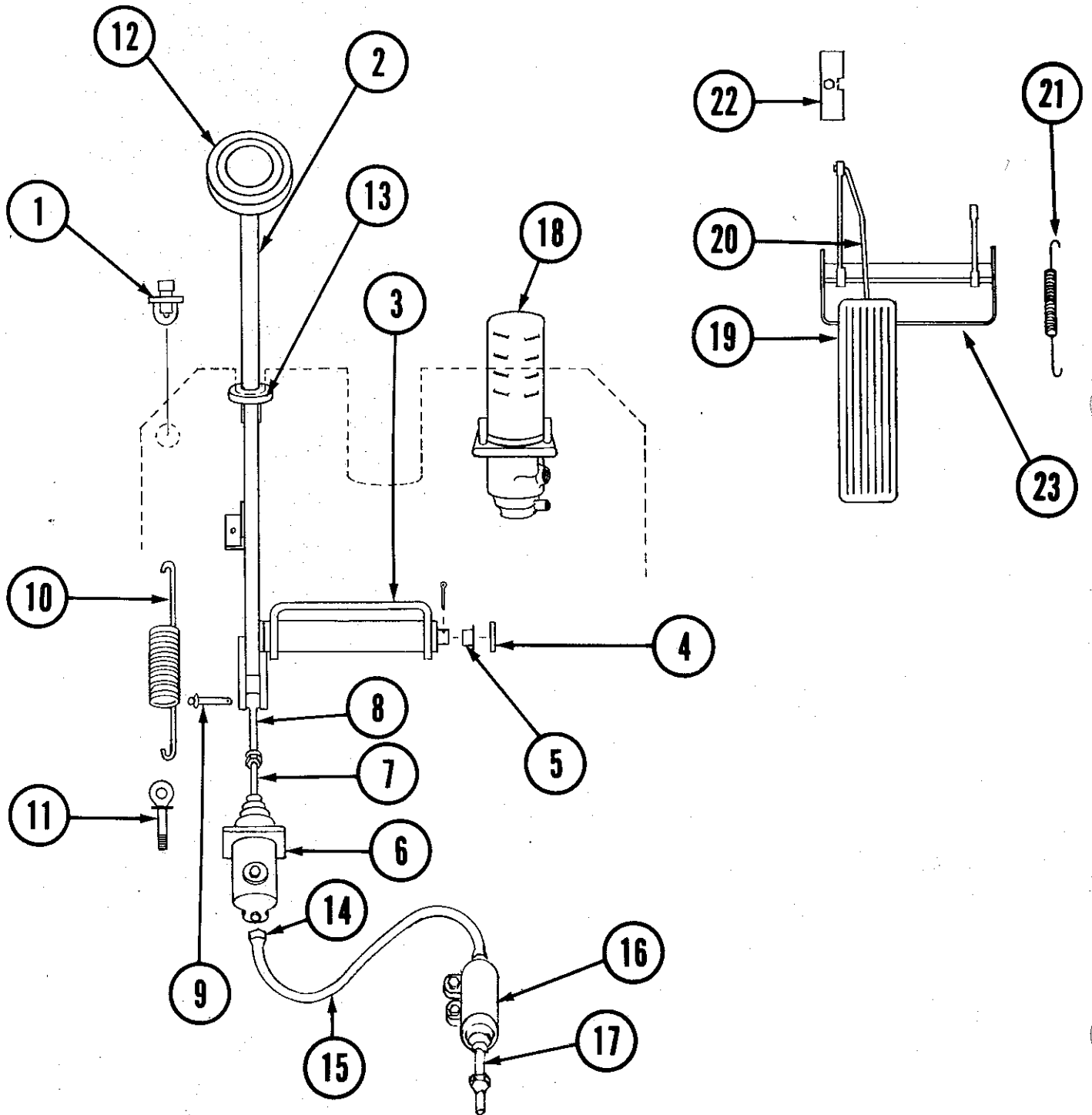


Brake, Clutch, Accelerator Controls

The brake, clutch and accelerator controls used in your chassis are heavy duty components and should give many years of trouble-free service. However, this section provides illustrations and a parts list of these controls for ease in identification of specific parts for ordering when required.

Included in this section are all foot controls utilized by the driver.

WHEN ORDERING PARTS ALWAYS GIVE THE BODY SERIAL NUMBER, CHASSIS SERIAL NUMBER, FACTORY SERVICE NUMBER, PART NUMBER OF EACH PART AND COMPLETE PART DESCRIPTION.



BRAKE, CLUTCH AND ACCELERATOR PEDAL GROUP

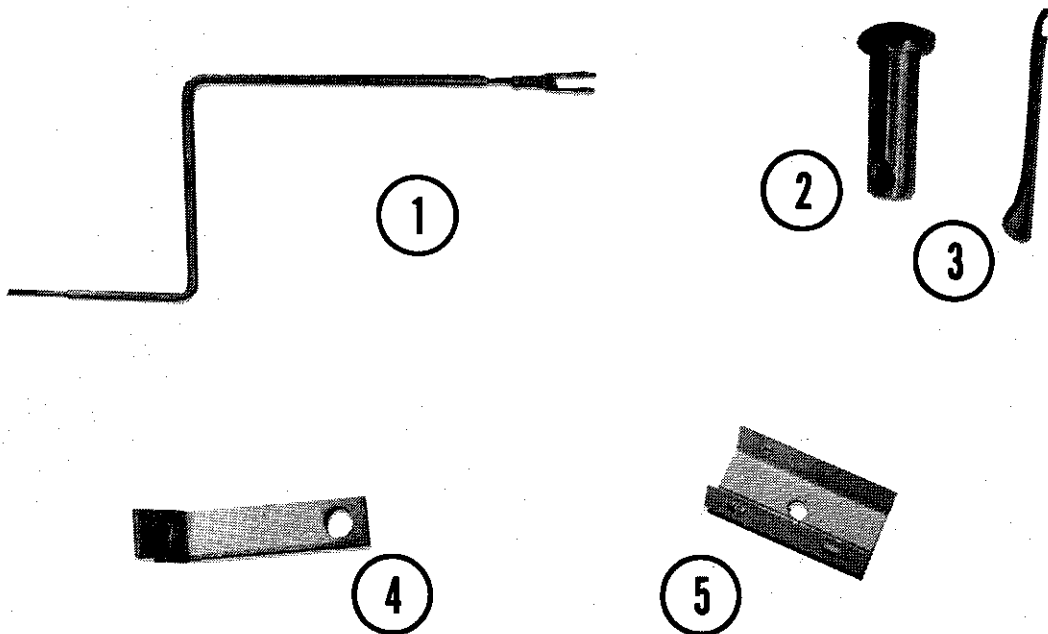
NO.	PART NO.	PART NAME	APPLICATION	QTY.
1	2025195	Switch Headlamp Dimmer Cole Hersée #A7767	All	1
2	0656553	Pedal Assy., Clutch	All w/Manual Trans.	1
3	0656520	Bearing Assy., Clutch Pedal	All w/Manual Trans.	1
NI	0656355	Bracket Assy., Brake & Clutch	All except 3208	1
NI	0656363	Bracket Assy., Brake & Clutch	3208	1
4	2020014	3/4 ID Washer	All w/Manual Trans.	2
5	0658237	3/4 ID Nylon Bushing	All w/Manual Trans.	2
6	2019917	Master Cylinder, Clutch, Wagner #FE-25517	All w/Manual Trans.	1
7	2019925	Push Rod, Clutch Master Cylinder Wagner FC-2928	All w/Manual Trans.	1
8	0597187	Rod End, Clutch Master Cylinder	All w/Manual Trans.	1
9	2024347	Clevis Pin, Clutch Rod End Ford 91T-2489	All w/Manual Trans.	1
10	2020089	Spring, Clutch Pedal Return Chevrolet #3996597	All w/Manual Trans.	1
11	0662544	Eye Bolt, Clutch Return Spring	All w/Manual Trans.	1
12	2024321	Pad, Clutch Pedal Ford #7RT-2454	All w/Manual Trans.	1
13	0265348	Cushion Clutch Pedal	All w/Manual Trans.	1
14	2019990	Fitting, Clutch Cylinder outlet	All w/Manual Trans.	1
15	2020048	Hose Clutch	All w/Manual Trans.	1
16	2019941	Clutch Slave Cylinder Chevrolet #5462165	427, 3208, V504, V555, 6V-53	1
-7	0610717	Clutch Slave Cylinder Push Rod Chevrolet #5461008	427, 3208, V504, 6V-53	1
17	0561217	Clutch Slave Sylinder Push Rod	V-555	1
NI	0811679	Bracket, Clutch Slave Cylinder	427	1
NI	0811687	Bracket, Clutch Slave Cylinder	427 w/Handbrake	1
NI	0322776	Bracket, Clutch Slave Cylinder	V504	1
NI	0251264	Spacer, Clutch Slave Cylinder	V504, 427	1
18	2023067	Treadle Valve	Single Air Brakes	1
18	0654525	Treadle Valve	Dual Air Brakes	1
19	2019495	Accelerator Pedal Ford #7H9735	All	1
20	0848192	Accelerator Pedal Rod	All	1
21	0518803	Accelerator Return Spring	All Except 427, 427A	2
NI	0612838	Bracket, Accelerator Spring, Rear	534A, V504, V504A	1
NI	0612846	Bracket, Accelerator Spring, Front	V504, V504A	1
22	0557579	Accelerator Pedal Stop Bracket	All	1
23	0770669	Accelerator Rocker Arm & Bracket Assy.	All except 6V-53, V555, V555A	1
23	0848135	Accelerator Rocker Arm & Bracket Assy.	6V-53, 6V-53A	1
NI	0821108	Accelerator Rocker Arm & Bracket Assy.	V555, V555A	1
NI	2028108	Lock, 1/2" Rod GMC #2301015	All	1
NI	0831305	Accelerator Carburetor Rod Assy.	427, 427A	1
NI	0660621	Accelerator Carburetor Rod Assy.	534A	1
NI	0821157	Accelerator Rod Assy.	V555, V555A	1

ACCELERATOR

IHC 446, 446A

KEY NO.	PART NO.	PART NAME	QTY.
1	0846774	Rod Assy, Accelerator, Carb.	1
NI	0846782	Rod, Accelerator, Carburetor	1
* 19	0848242	Accelerator Pedal Ford # COTT-9735-A	1
* 22	0848192	Accelerator Pedal Stop Bracket	1
* 23	0848127	Accelerator Rocker Arm & Bracket Assembly (Frame)	1
2	2028140	Yoke Pin - 1/4" Dia. x 57/64" Long	1
3	2028199	1/16" Dia. Cotter Pin	1
4	0612861	Bracket, Accelerator Control	1
5	0848093	Bracket, Hand Throttle Cable	1

* Refer to Page 87



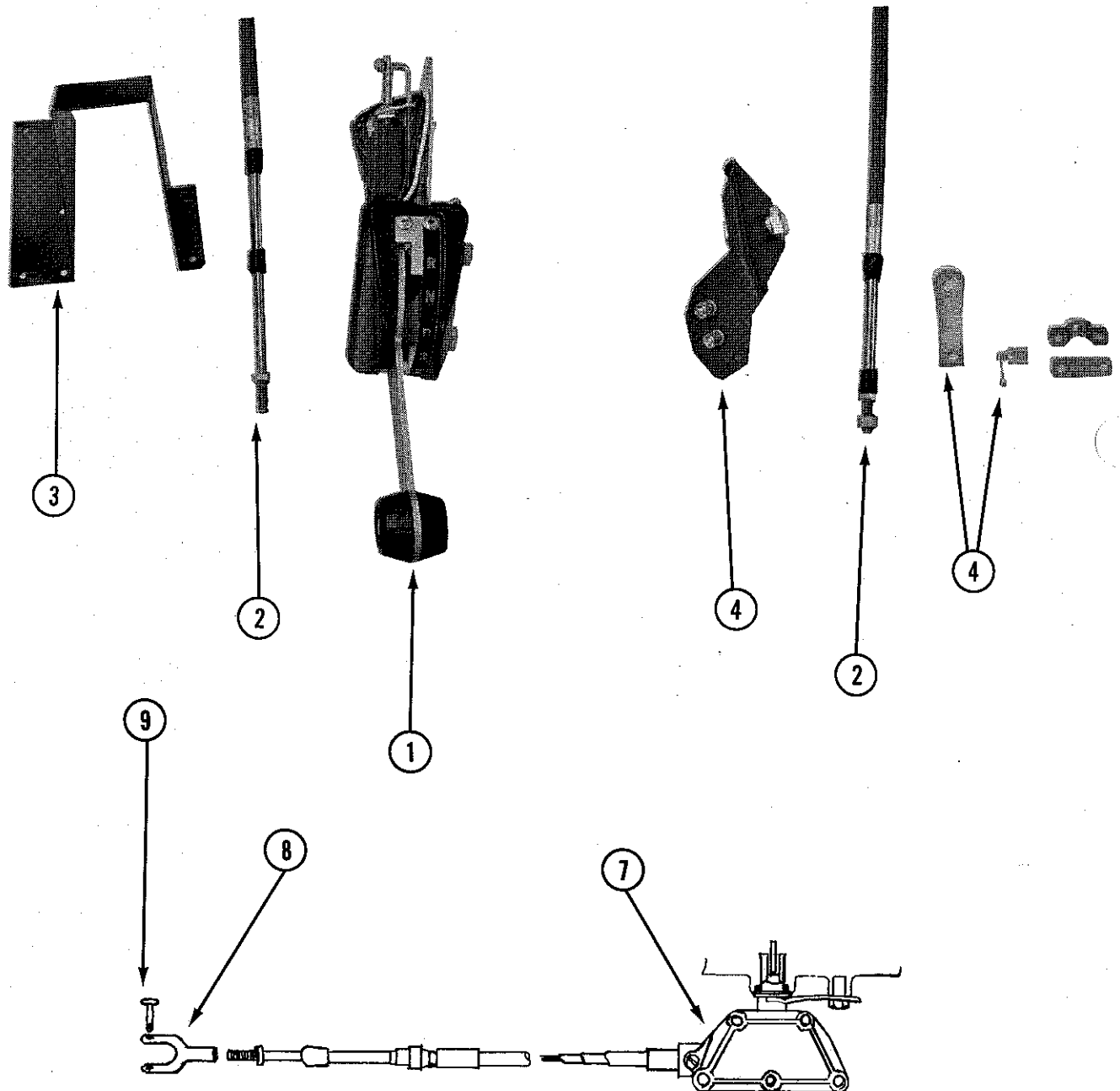


Morse Controls

Morse controls are used exclusively on Blue Bird Chassis equipped with automatic transmission.

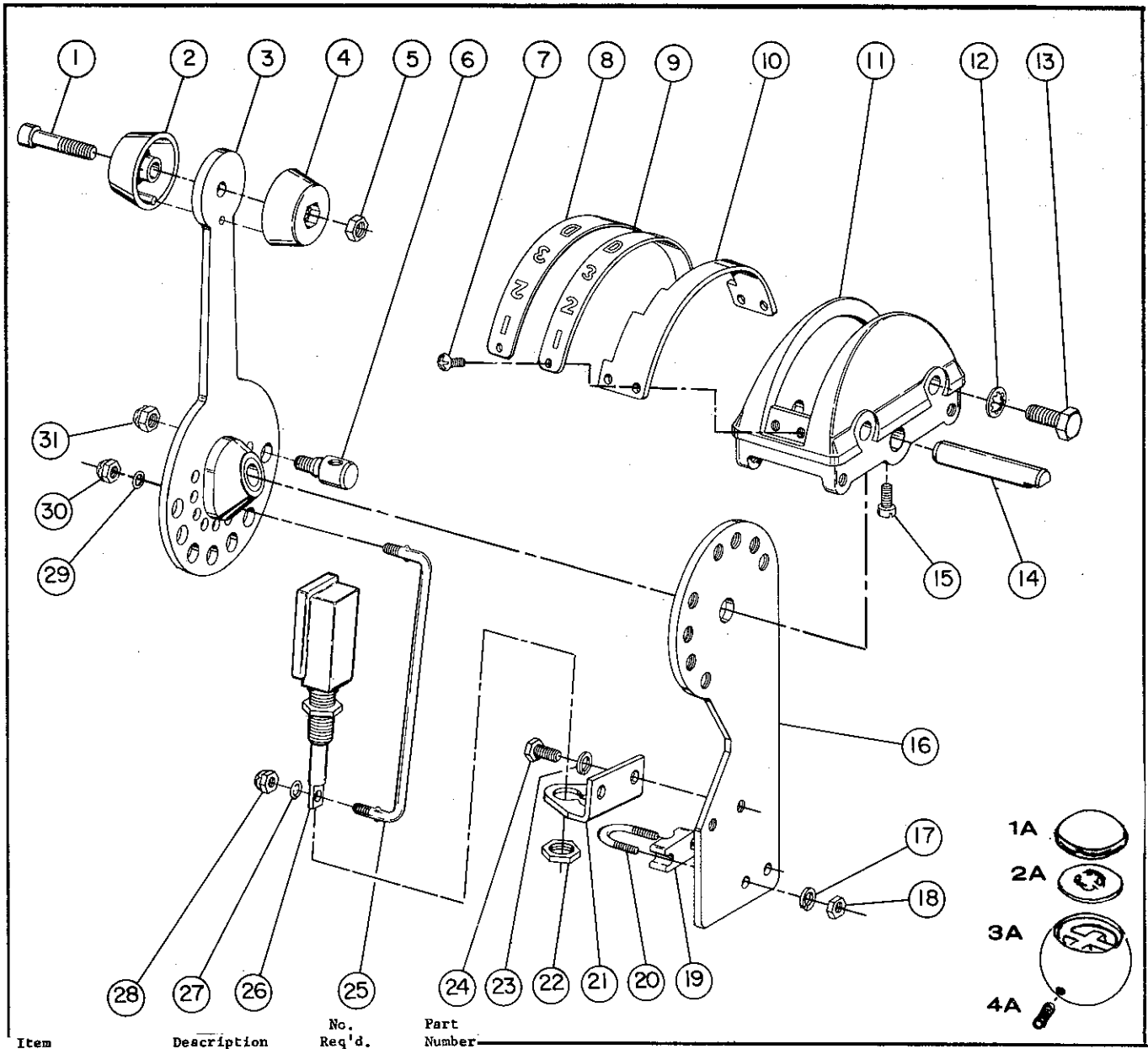
Illustration and parts list are included to aid you in ordering the correct replacement part for your chassis. Both Blue Bird part number and Morse Control numbers are listed where applicable.

WHEN ORDERING PARTS ALWAYS GIVE THE BODY SERIAL NUMBER, CHASSIS SERIAL NUMBER, FACTORY SERVICE NUMBER, PART NUMBER OF EACH PART AND COMPLETE PART DESCRIPTION.



MORSE CONTROLS

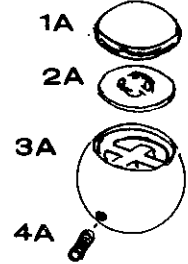
BY NO.	PART NO.	PART NAME	APPLICATION	QTY.
1	0805283	Control, MT-640 Transmission, Morse #E-62450-028 (40 Series)	All	1
2	0805291	Cable, Transmission Control, Morse #D-38021-003-0108 (40 Series)	All	1
3	0544320	Tower, Allison Transmission Control	All	1
4	0805309	Kit, Control Cable to Transmission Morse # A-67544	All	1
5	0620138	Clamp Morse Cable Morse #A-31532	3208-A	1
5	0758425	Clamp Cable Cummins # 555722	V504-A	1
6	0620120	Shim Morse Cable Clamp Morse # A-31538	3208-A	1
6	0758433	Shim Cable Clamp Cummins # 555723	V504-A	1
7	0620146	Modulator & Control Cable Assy. Morse # D-300130-38	3208-A	1
7	0758409	Modulator & Control Cable Assy. Cummins # 555697	V504-A	1
8	2028132	$\frac{1}{2}$ Adjustable Yoke End	3208-A	1
9	2028140	$\frac{1}{2}$ X $\frac{3}{4}$ Clevis Pin	3208-A	1
NI	0617373	Bracket, Allison T.V. Cable	3208-A	1
NI	0758417	Bracket, Allison T.V. Cable Cummins # 556402	V-504A	1
NI	0822775	Bracket Assy., Modulator Cable, Cummins	V-555-A	1



Item	Description	No. Req'd.	Part Number
------	-------------	------------	-------------

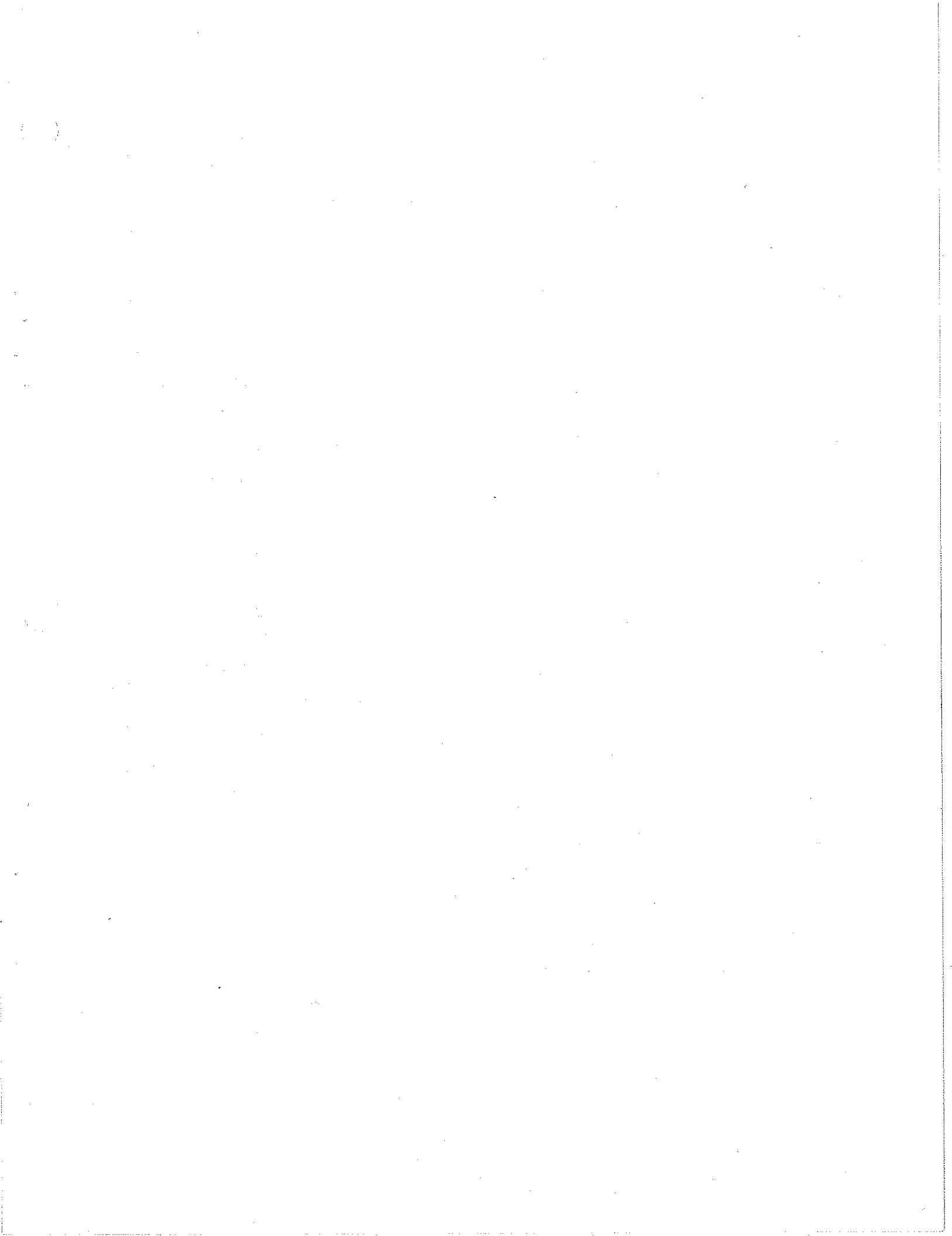
- | | | | |
|----|-----------------------------|---|--------|
| 1A | Cap. | 1 | B66876 |
| 2A | Decal. | 1 | A68677 |
| 3A | Knob | 1 | A68704 |
| 4A | Set Screw, Hex. Socket, Cup | | |

MT - 640 4 Speed

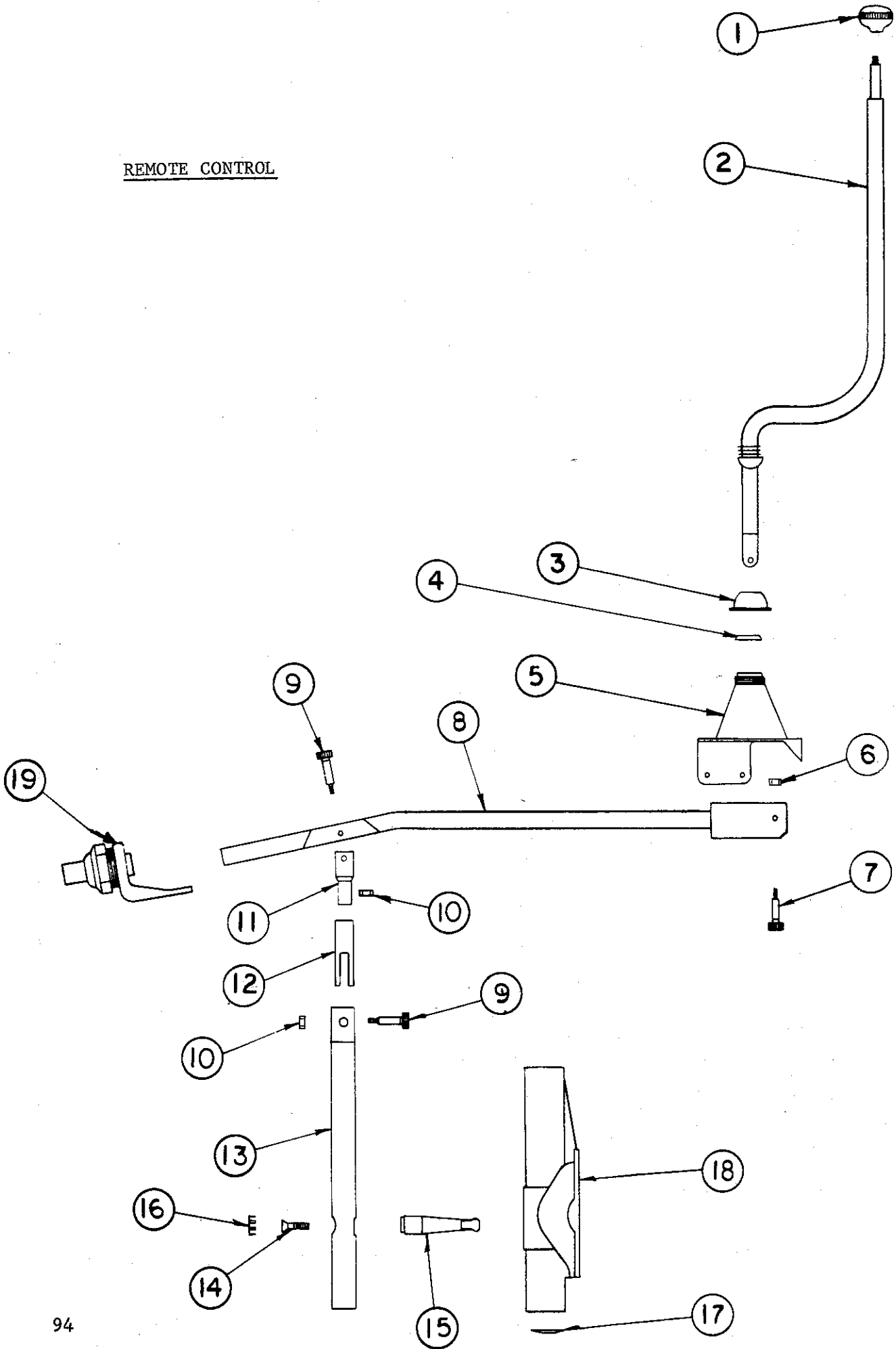


Item	DESCRIPTION	No Req'd	Part Number	Item	DESCRIPTION	No Req'd	Part Number
1	Screw, Phil. Fil. Hd. 5/16" - 18 x 1-3/8" lg	1	A50114-414	16	Hanger Plate	1	D43683
2	Knob	2	B43671	17	Lockwasher, Split 1/4"	4	A50801-326
3	Hand Lever	1	D43274	18	Nut, Reg. Hex. 1/4 - 28	2	A50901-015
4	Knob (See Item #2)	—	—	19	Shim	1	B61871
5	Nut, Reg. Hex 5/16 - 18	1	A50901-025	20	U-Bolt Cable Clamp (40 Series) (60 Series)	1	A64404
6	Trunnion Terminal (40 Series) (60 Series)	1	B44720	21	Switch Support	—	A61869
7	Screw, Phil. Truss Hd. #10-24 x 5/16" lg	4	A50152-272	22	Switch Nut	1	B43684
8	Position Strip	1	B62378-1	23	Lockwasher, (See Item #17)	2	A43716
9	Position Strip	1	B62378-2	24	Screw, Hex. Hd. 1/4 - 28 x 1/2" lg	2	A50407-032
10	Gate Plate (Control E62450) (Control E62451)	1	B61876	25	Switch Actuator Arm	1	B43681
11	Housing	1	B61877	26	Switch	1	B62473
12	Lockwasher, Int. Tooth 3/8"	2	E43696	27	"O" Ring 3/16" I.D. x 5/16" O.D. x 1/16" Wide	2	A51200-024
13	Screw, Hex. Hd. 3/8 - 24 x 3/4" lg	2	A50803-094	28	Nut, Elastic Stop, #10-32	2	A50908-295
14	Shaft	1	A50407-839	29	"O" Ring (See Item #27)	—	—
15	Screw, Fil. Hd. Mach Slot. #10-24 CL-2A x 1/2" lg	1	A43698	30	Nut (See Item #28)	—	—
				31	Elastic Stop Nut, 5/16 - 24	1	A50908-335

Items 21 through 30 are not required if switch is on transmission.



REMOTE CONTROL

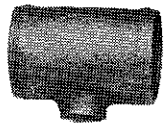
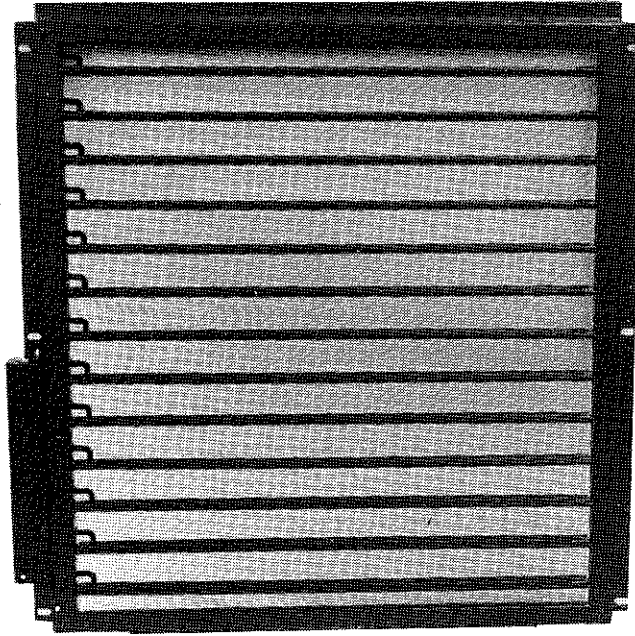


STANDARD TRANSMISSION REMOTE CONTROL

KEY NO.	PART NO.	PART NAME	APPLICATION	QTY.
1	2021004	Ball, Gear Shift Leve (Ford BB-7213-A)	All	1
2	0258079	Lever Ass'y., Gear Shift		
3	2021012	Cap, Gear Shift Lever (Ford SMTH-7220)	All	1
4	2021038	Seat, Shift Lever Spring (Ford SMTH-7228)	All	1
5	0135988	Tower, Remote Control	All	1
6	2021111	Elastic Stop Nut, 5/16" - 18	All	1
7	2021137	Shoulder Screw, 3/8" x 1 1/2"	All	1
8	0817866	Shaft Ass'y., Remote Control	427	1
8	0663302	Shaft Ass'y., Remote Control	3208 &V-555	1
8	0571984	Shaft Ass'y., Remote Control	V-504	1
8	0667709	Shaft Ass'y., Remote Control	6V-53	1
8	0571935	Shaft Assy. Remote Control	446, 446A	1
NI	0181602	Bushing, Remote Control .	446, 446A	1
9	2021145	Shoulder Screw, 1/2" x 1 1/4"	All	2
NI	0181602	Bushing	All	2
10	2021129	Elastic Stop Nut, 3/8" x 16	All	2
11	0109652	Slip Joint, Male	All	1
12	0109660	Slip Joint, Female	All Except 6V-53	1
12	0667436	Slip Joint, Female, Heat Treated	6V-53	1
13	0181677	Finger Shaft Ass'y.	All Except 6V-53	1
13	0667394	Finger, Shaft Ass'y.	All	1
14	2021152	Flat Heat Socket Capscrew 1/2" x 1 1/4" - 20NF	All	1
15	0131318	Remote Control Finger	All	1
NI	2001212	Lockwasher	All	1
NI	2020964	Nut	All	1
16	2021178	Button Plug	All	1
17	0109728	Expansion Plug	All	1
18	0819144	Finger Shaft Bearing	All	1
NI	2025245	Switch, Backup Light	All	1
NI	0140376	Plate, Gear Shift Diagram	All	1
NI	*0819136	Finger Shaft Bearing Ass'y.	All Except 6V-53	1
NI	*0819151	Finger Shaft, Spicer Bearing Ass'y.	6V-53	1
19	0360172	Bearing Ass'y., Remote Control	All	1
NI	2020988	Gasket, Finger Shaft Bearing to Transmission (Spicer #62155-7)	All	1
NI	2027431	Grease Fitting 1/8 MPT Straight	All	1
NI	2027449	Grease Fitting 1/4 - 28 Straight	All	1
NI	2027480	Grease Fitting 1/2 - 28 90 Degree	All	2
NI	0138180	Brace, Remote Control Tower	All Except 6V-53 & V-555	1
NI	0617605	Brace, Remote Control Tower	6V-53, V-555	1
NI	0817981	Bracket, Remote Control Bearing	427	1
NI	0663294	Bracket, Remote Control Bearing	3208, V-555	1
NI	0571869	Bracket, Remote Control Bearing	V-504	1
NI	0667410	Bracket, Remote Control Bearing w/Spicer	6V-53	1
NI	0283168	Brace, Remote Control Bearing Brkt.	All Except 6V-53	1
NI	0667691	Brace, Remote Control Bearing Brkt.	6V-53	1

* Assembly includes items 13, 14, 15, 16, 17, 18, and applicable NI items.

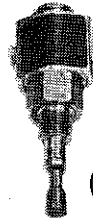
①



③



②



④

SHUTTERS

KEY NO.	PART NO.	PART NAME	APPLICATION	QTY.
1	0764175	Shutter Ass'y., Air Kysor	All	1
NI	0521534	Spacer, Radiator Post, Kysor Shutter	All	10
NI	0566711	Crossmember Front, Kysor Shutter	All	1
NI	2008324	Hose, Air, ½ I.D. X ½ O.D. (Rubber)	All	AR
NI	0654962	Tubing, Hytron C604	All	AR
NI	0654970	Insert, Hytron Tubing	All	AR
NI	2020899	End, KA04, O4MF, Hose	All	1
NI	2020907	End, KA04, O4RL, Hose	All	1
NI	2020873	Fluid, Kysor Shutter	All	
2	2020774	Filter, C1233, Kysor Shutter Air	All	1
3	0611061	Tee, Shutterstat, 2½ I.D. Hose	534 Only	1
3	2020832	Tee, Shutterstat, B3016	427 Only	1
4	2051357	Shutterstat Air Control D24000 185	Cummins, Cat, 6V-53	1
4	2020808	Shutterstat Air Control D24000 190	427, 534	1
NI	0614107	Bracket, Kysor Shutter Air Filter	534	1
NI	0769653	Bracket, Kysor Shutter Air Filter	CAT	1
NI	0601203	Bracket, Mounting Kysor Shutter Air Filter	Cummins	1
NI	0802538	Bracket, Kysor Shutter Air Filter	6V-53	1
NI	0831156	Bracket, Mounting, Kysor Air Filter	427	1

A.R. - As Required

RADIATORS

KEY NO.	PART NO.	PART NAME	APPLICATION	QTY.
NI	0765735	Radiator Ass'y., G&O #X-1983-1	3208A, V504A, V555A	1
NI	0765743	Radiator Ass'y., G&O #X-1983	3208, V504, 6V53A, 6V53, V555	1
NI	0766477	Radiator Ass'y., G&O #X-2080	534A, 427A	1
NI	0847491	Radiator Ass'y., G&O #X-1983-4	446	1
NI	0847509	Radiator Ass'y., G&O #X-1983-5	446A	1
NI	0844696	Radiator Ass'y., G&O #X-2080-2	427	1
NI	0764951	Shroud, Radiator (G&O)	3208, 3208A	1
NI	0764969	Shroud, Radiator (G&O)	6V53, 6V53A	1
NI	0764977	Shroud, Radiator (G&O)	V504, V504A	1
NI	0817486	Shroud Ass'y., Radiator, G&O	427A, 427	1
NI	0817619	Shroud Ass'y., Radiator, w/Fan Clutch	427	1
NI	0802348	Shroud, Radiator, G&O	534A	1
NI	0822619	Shroud, Radiator G&O	V555, V555A	1
NI	0521534	Spacer Radiator Post Kysor Shutters	All	4
NI	0799478	Spacer - Radiator Post	w/Clutch Fan	4
NI	0764985	Post Radiator, RH	V504, V504A, 3208A, 3208, 427, 427A, 534A, V555, V555A, 6V53, 6V53A,	1
NI	0764993	Post, Radiator, LH	V504, V504A, 3208A, 3208, 427, 427A, 534A, V555, V555A, 6V53, 6V53A	1
NI	0847285	Post, Radiator G & O R.H.	446, 446A	1
NI	0847293	Post, Radiator G & O L.H.	446, 446A	1
NI	2102085	Cap, Radiator, G&O	All	1
NI	0885517	Hose, Radiator, Upper, Gates #VF-109 w/o Kysor Shutters	534A	1
NI	0613133	Hose, Radiator, Upper, Ford #D2HZ- 8260-B w/Kysor Shutters	534A	1
NI	0605535	Hose, Radiator, Upper, Gates # CH401 w/Kysor Shutters	534A	1
NI	0813691	Hose, Radiator, Upper, Gates #CH-346 w/and w/o Kysor Shutters	V555, V555A V504, V504A	1
NI	0668236	Hose, Radiator, Upper, Gates #VF8 w/o Kysor Shutters	6V53, 6V53A	2
NI	0668228	Hose, Radiator, Upper, Gates #VF-32 w/Kysor Shutters	6V53, 6V53A	1
NI	2020626	Hose, Radiator, Upper, Gates #VF-18 w/and w/o Kysor Shutters	3208, 3208A	2
NI	2020626	Hose, Radiator, Upper, Gates #VF-18 w/Kysor Shutters	427, 427A	1
NI	0659920	Hose, Radiator, Upper, Gates #VF-107 w/o Kysor Shutters	427, 427A	1
NI	0605535	Hose, Radiator, Upper, Gates #CH-401 w/and w/o Kysor Shutters	446, 446A	1
NI	0605535	Hose, Radiator, Lower, Gates #CH-401	V504, V504A V555, V555A	1
NI	0768466	Hose, Radiator, Lower, Gates #VF-141	427, 427A	1
NI	0768804	Hose, Radiator, Lower, Gates #VF-121	6V53, 6V53A	1
NI	2020618	Hose, Radiator, Lower, Gates #VF-26 w/o option 7592, Engine Fan Clutch	3208, 3208A	1
NI	0422162	Hose, Radiator, Lower, Gates #VF-11 w/option 7592, Engine Fan Clutch	3208, 3208A	1
NI	0670554	Hose, Radiator, Lower, Gates #VF-112	446, 446A	1

RADIATORS

<u>KEY NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>APPLICATION</u>	<u>QTY.</u>
NI	2020618	Hose, Radiator, Lower, Gates #VF-26	534A	1
NI	0613190	Hose, Radiator, Lower, Top Half, Ford #C1TZ-8286-K	534A	1
NI	0613182	Hose, Radiator, Lower, Bottom Half, Ford #KM-55	534A	1
NI	0613174	Tube, Radiator, Lower, Ford #C1TZ- 8291-F	534A	1

TRANSMISSION COOLING LINE

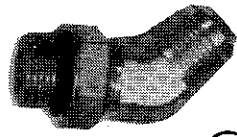
KEY NO.	PART NO.	PART NAME	QTY
1	0878561	Tubing, Transmission Coolant, from Radiator, Chev. 427A, IHC 446A	1
2	0878553	Tubing, Transmission Coolant, to Radiator Chev. 427A, IHC 446A	1
3	0878520	Tubing, Transmission Coolant, from Radiator, Cat 3208A, IHC 446A	1
4	0878512	Tubing, Transmission Coolant to Radiator, Cat 3208A, IHC 446A	1
5	0878587	Tubing, Transmission Coolant, from Radiator, Ford 534A	1
6	0878579	Tubing, Transmission Coolant, to Radiator, Ford 534A	1
7	0878504	Tubing, Transmission Coolant, from Radiator, Ford 534A, Calif.	1
8	0878496	Tubing, Transmission Coolant, to Radiator, Ford 534A, Calif.	1
9	0878546	Tubing, Transmission Coolant, from Radiator, Cummins V-504A, V-555A	1
10	0878538	Tubing, Transmission Coolant, to Radiator, Cummins V-504A, V-555A	1
11	0606672	Male 45 Flare Coupling. 5/8 I.D. Hose x 3/4 Tube	1
NI	0606631	Hose, 5/8 I.D. x 1 5/64 O.D. Imp. East #E912	18'
12	0606665	Female 37 J.I.C. Flare Swivel Coupling 5/8 I.D. Hose x 3/4 Tube Imp. East #BN12-12NJ	1"
13	0753624	Straight Thread O-Ring, 45 Elbow, 3/4 Tube W/H #C5365 x 12	1



11



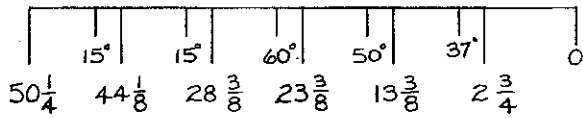
12



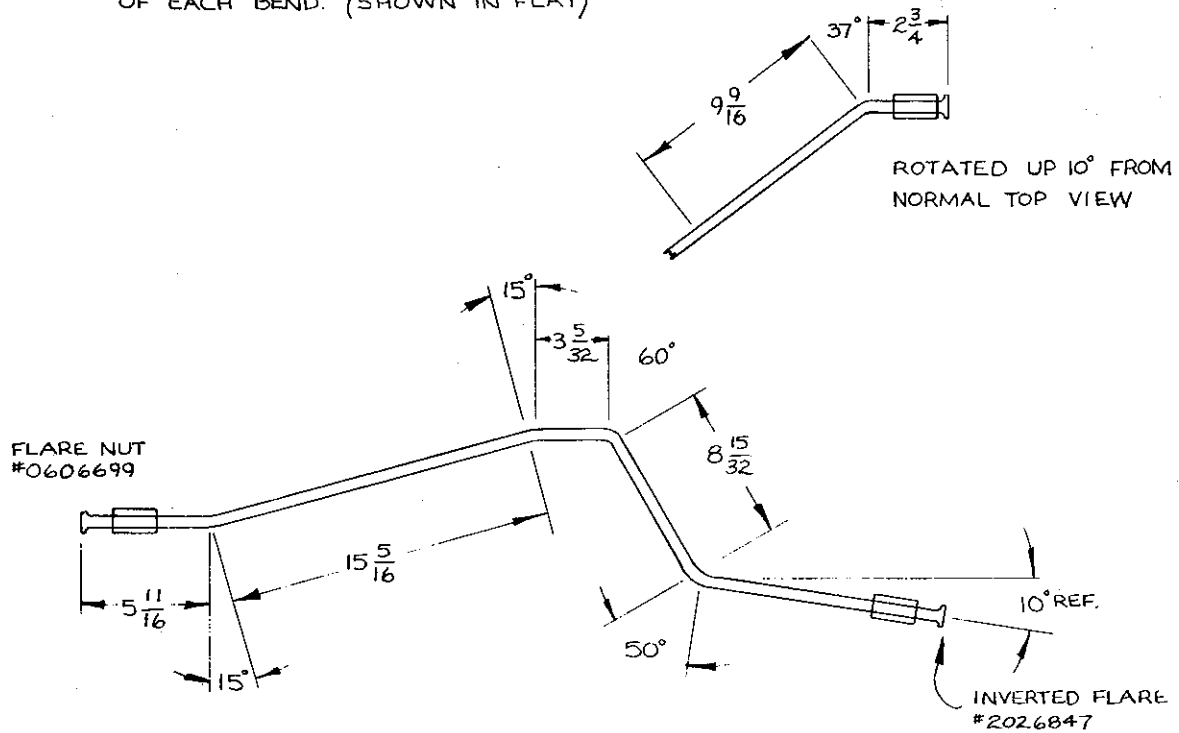
13

MATERIAL: $\frac{5}{8}$ ID. COPPER TUBING

CUT LENGTH: $50\frac{1}{4}$



NOTE: DIMENSIONS ARE SHOWN TO THE BEGINNING OF EACH BEND. (SHOWN IN FLAT)

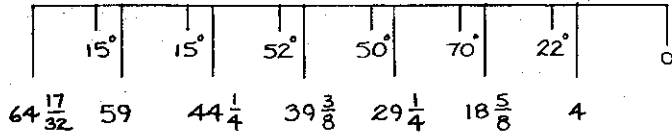


0878561 TUBING, TRANS COOLANT, FROM RADIATOR, CHEV. 427A, (A)

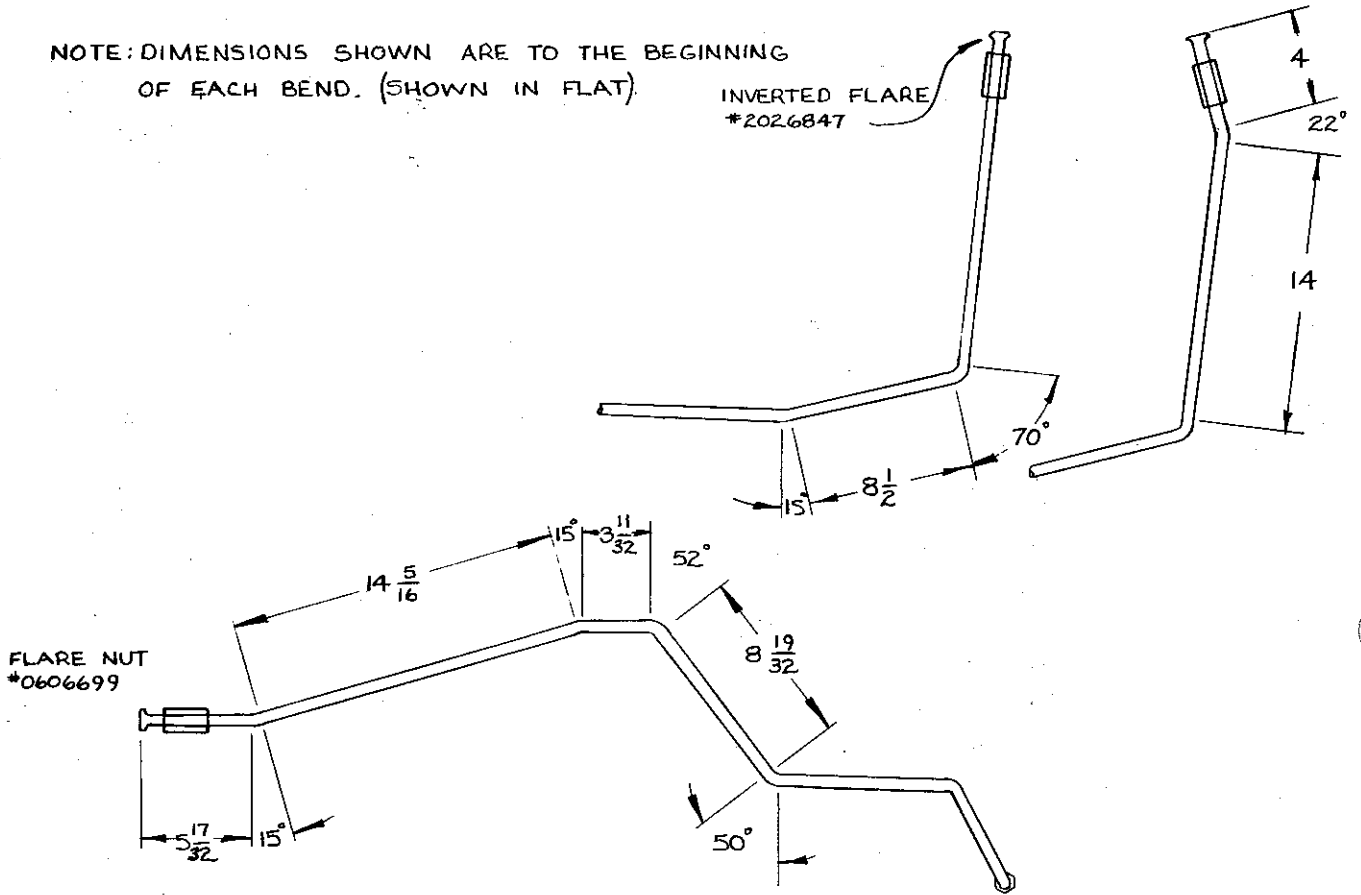
①

MATERIAL: $\frac{5}{8}$ I.D. COPPER TUBING

CUT LENGTH: $64 \frac{17}{32}$



NOTE: DIMENSIONS SHOWN ARE TO THE BEGINNING OF EACH BEND. (SHOWN IN FLAT)

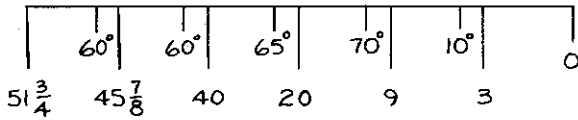


0878553 TUBING TRANS. COOLANT, TO RADIATOR, CHEV 427A (A)

2

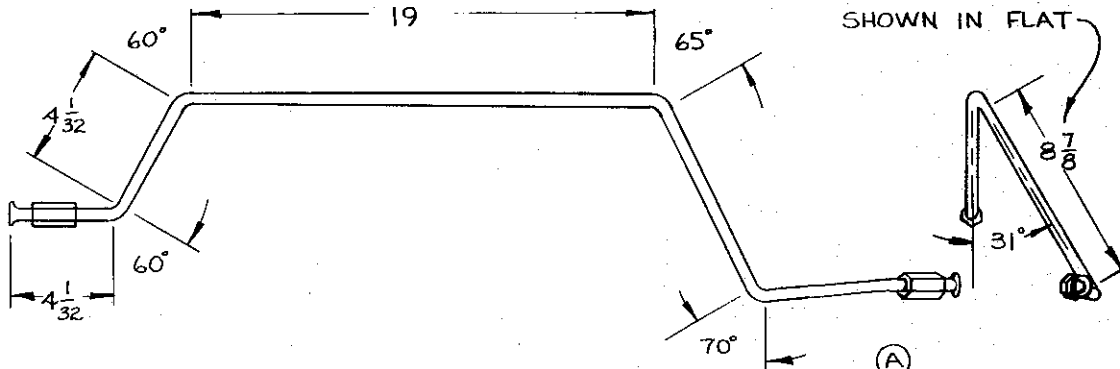
MATERIAL: $\frac{5}{8}$ ID. COPPER TUBING

CUT LENGTH: $51\frac{3}{4}$



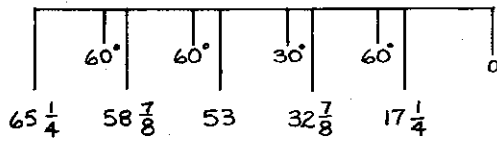
NOTE: DIMENSIONS ARE SHOWN TO THE BEGINNING OF EACH BEND (SHOWN IN FLAT)

FLARE NUT
#0606699



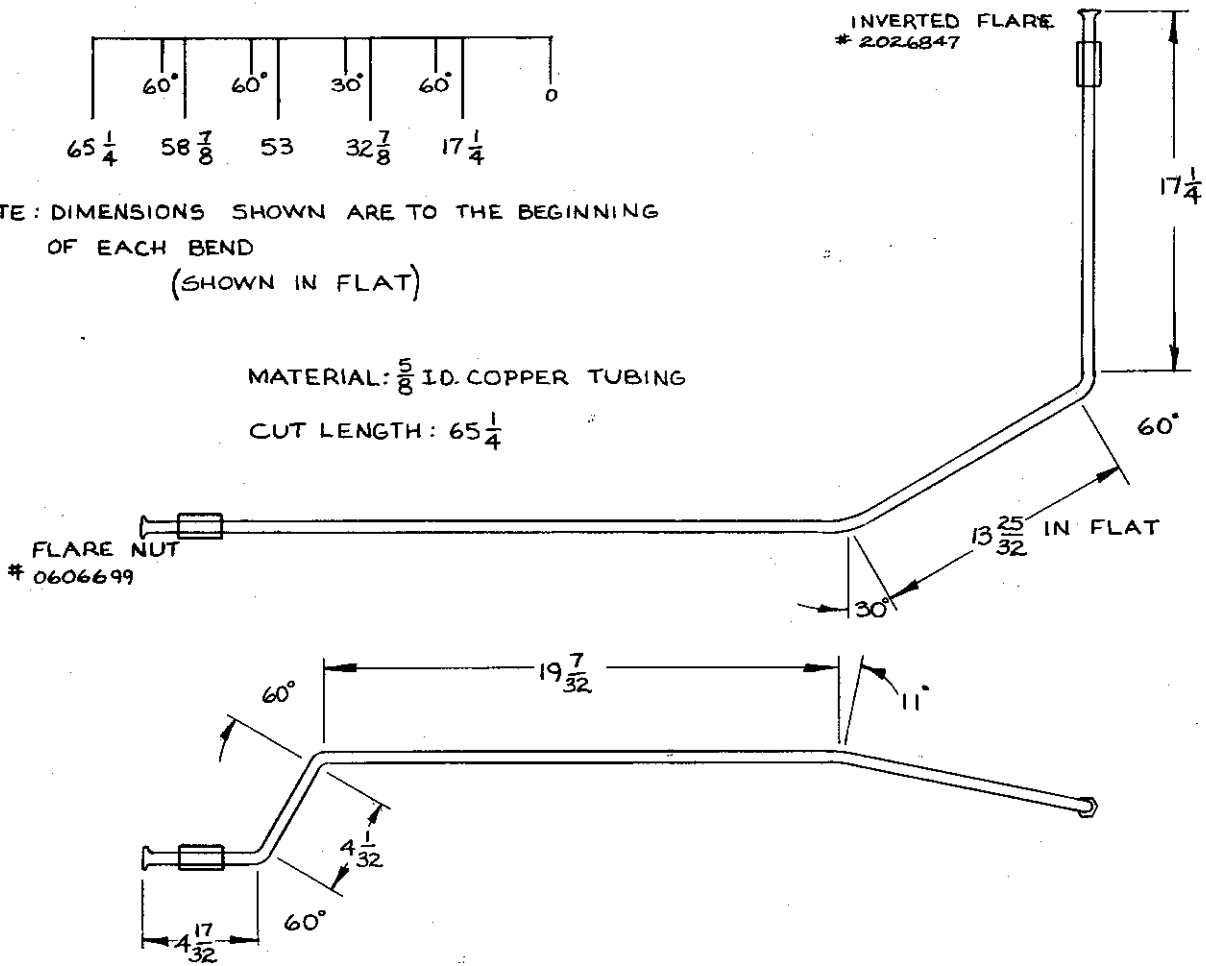
0878520 TUBING, TRANS. COOLANT, FROM RADIATOR, CAT 3208A, IHC 446A

3



NOTE: DIMENSIONS SHOWN ARE TO THE BEGINNING OF EACH BEND (SHOWN IN FLAT)

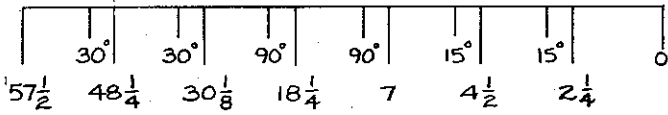
MATERIAL: $\frac{5}{8}$ ID. COPPER TUBING
 CUT LENGTH: $65\frac{1}{4}$



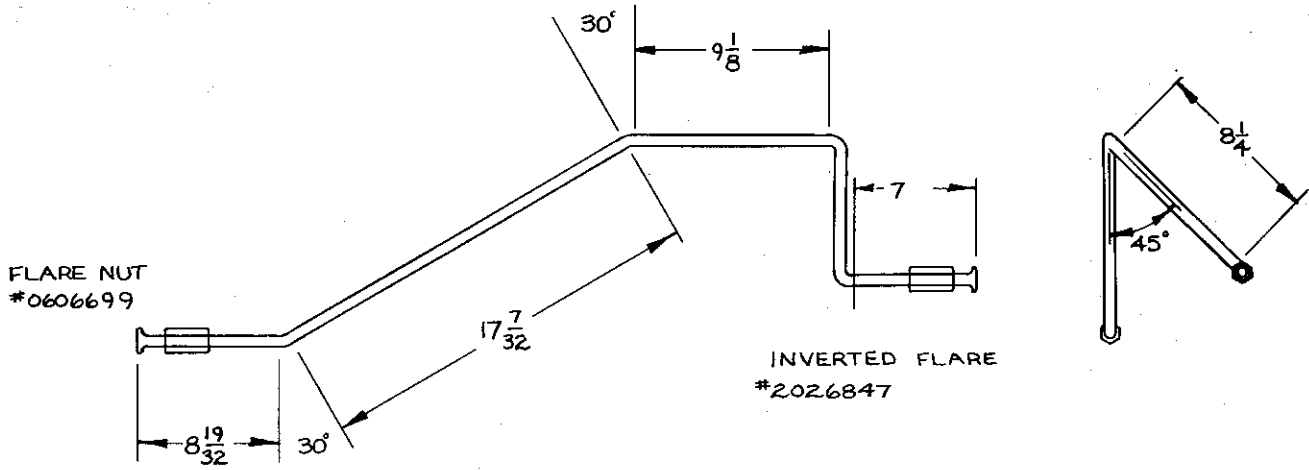
0878512 TUBING, TRANS. COOLANT TO RADIATOR, CAT 3208 A, IHC 446A ^(A)

④

MATERIAL: $\frac{5}{8}$ I.D. COPPER TUBING
 CUT LENGTH: $57\frac{1}{2}$



NOTE: DIMENSIONS ARE SHOWN TO THE BEGINNING OF EACH BEND. (SHOWN IN FLAT)

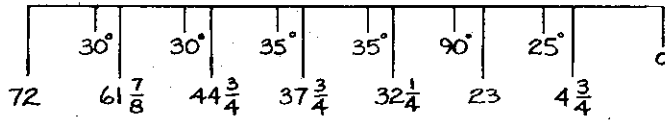


0878587 TUBING, TRANS. COOLANT, FROM RADIATOR, FORD 534A

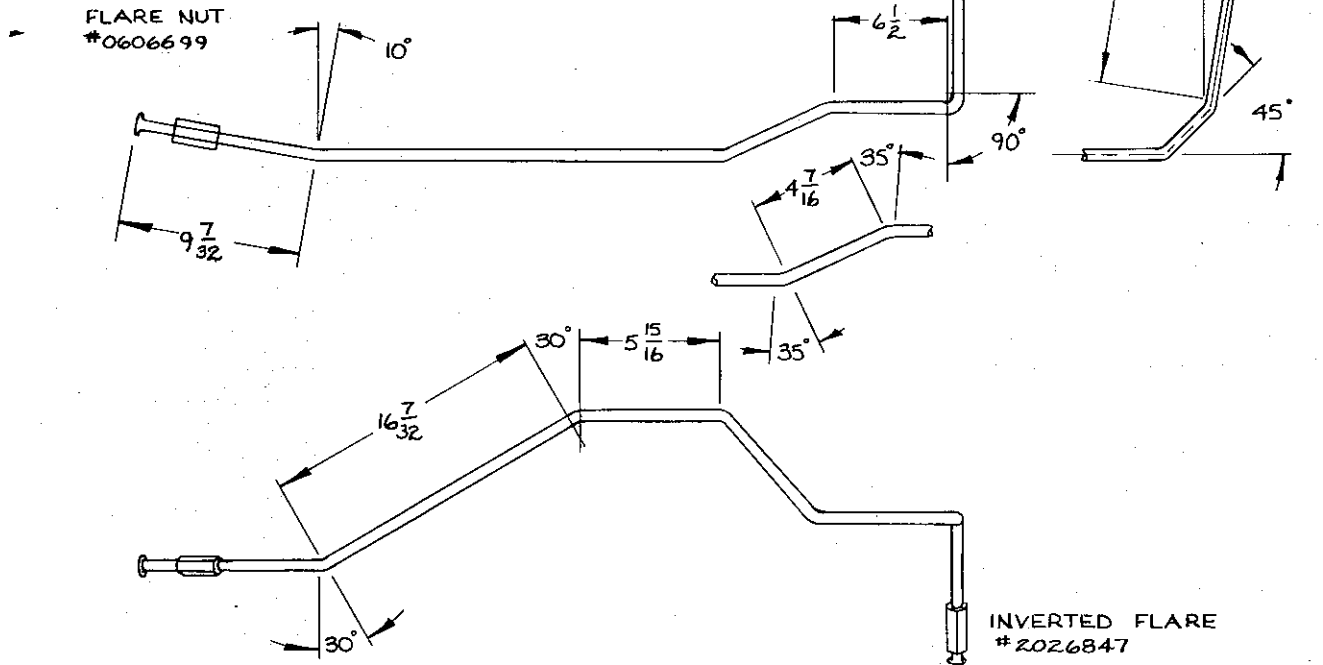
5

MATERIAL: $\frac{5}{8}$ I.D. COPPERTUBING

CUT LENGTH: 72"



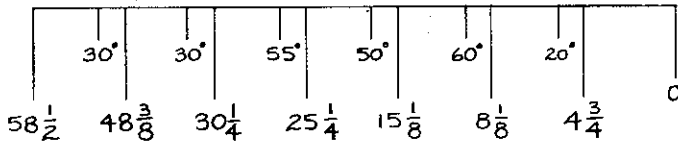
NOTE: DIMENSIONS ARE SHOWN TO THE BEGINNING OF EACH BEND. (SHOWN IN FLAT)



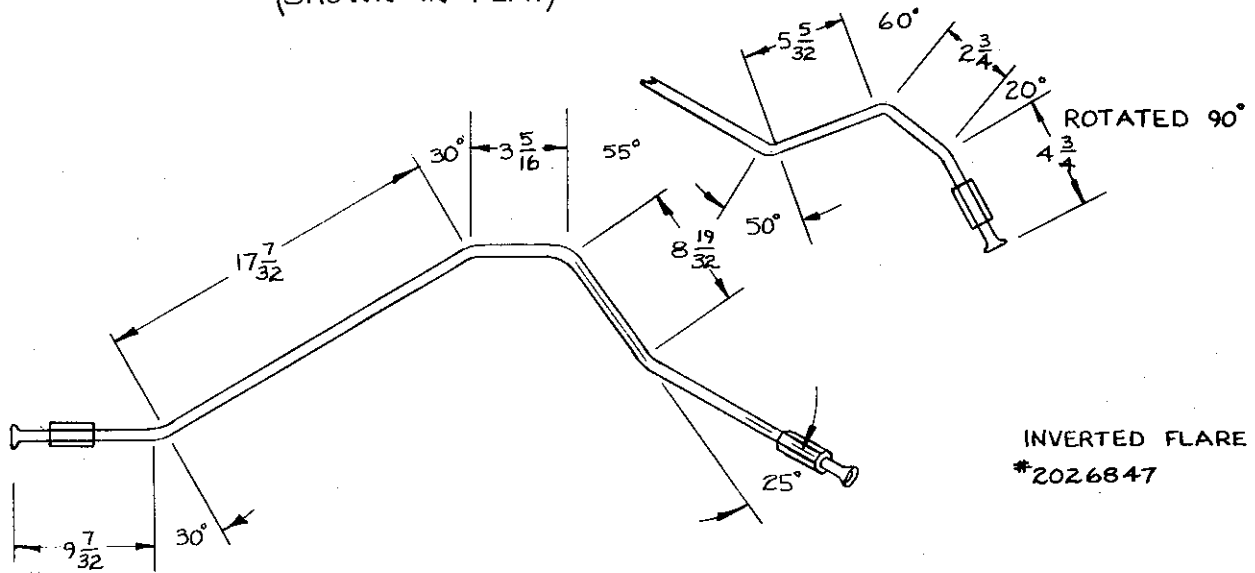
0878579 TUBING TRANS. COOLANT, TO RADIATOR, FORD 534 A

6

MATERIAL $\frac{5}{8}$ I.D. COPPER TUBING
 CUT LENGTH: $58\frac{1}{2}$ "



NOTE: DIMENSIONS SHOWN ARE TO THE BEGINNING
 OF EACH BEND,
 (SHOWN IN FLAT)



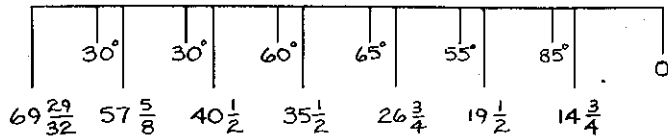
FLARE NUT #0606699

0878504 TUBING, TRANS. COOLANT, FROM RADIATOR, FORD 534 A, CALIF.

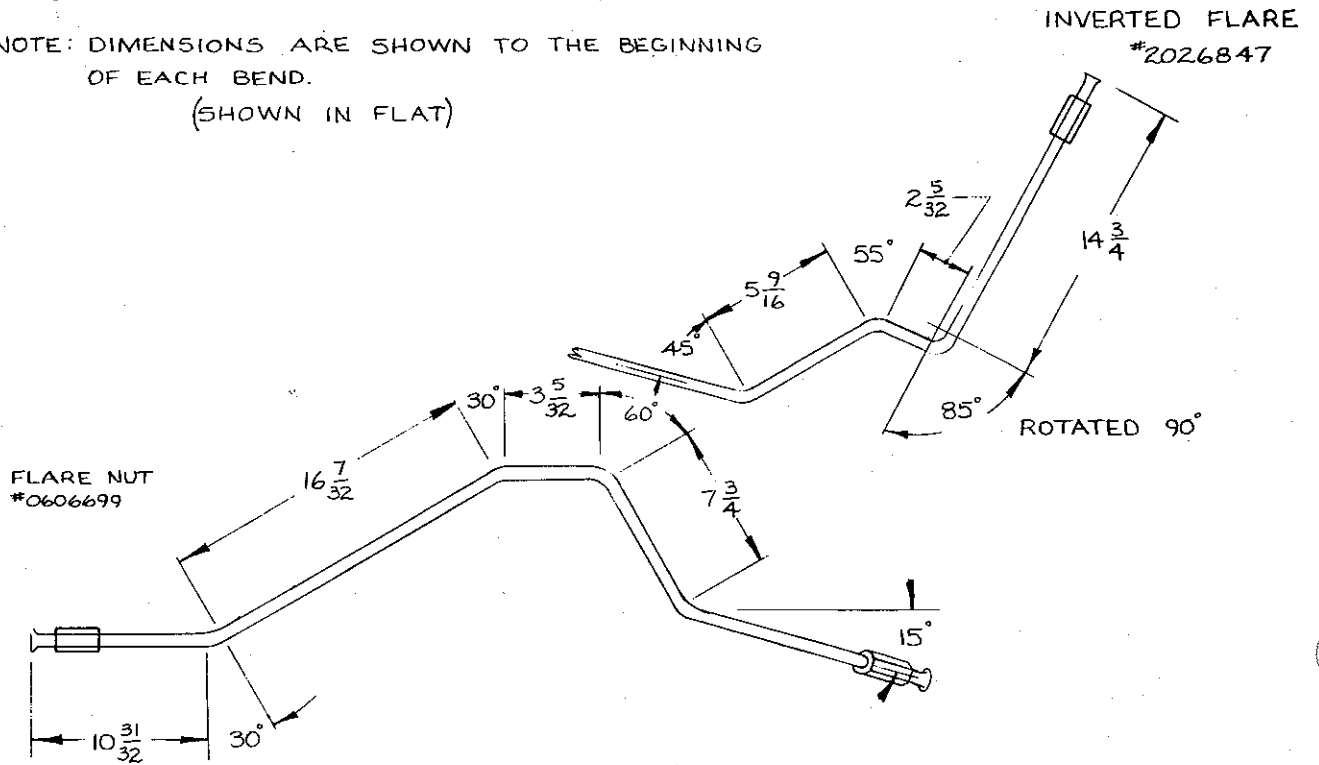
7

MATERIAL: $\frac{5}{8}$ I.D. COPPER TUBING

CUT LENGTH: $69 \frac{29}{32}$



NOTE: DIMENSIONS ARE SHOWN TO THE BEGINNING OF EACH BEND.
(SHOWN IN FLAT)

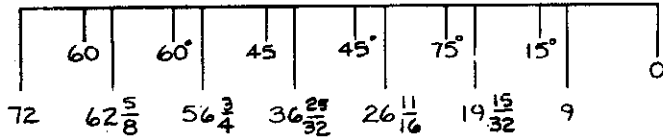


0878496 TUBING, TRANS. COOLANT, TO RADIATOR, FORD 534 A, CALIF.

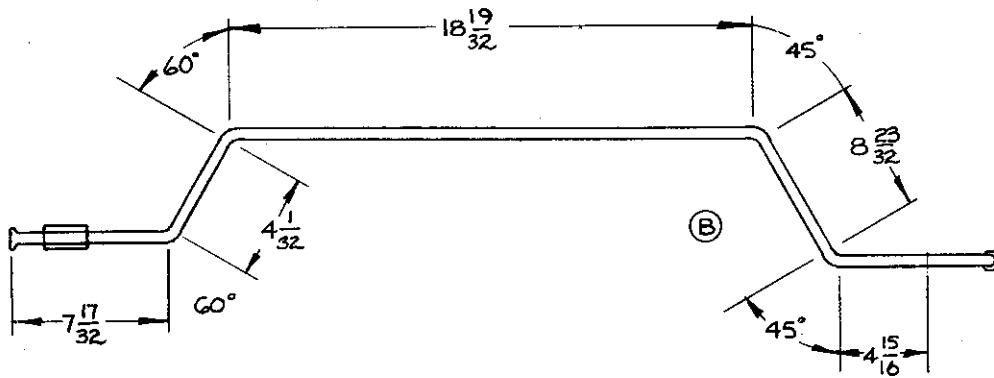
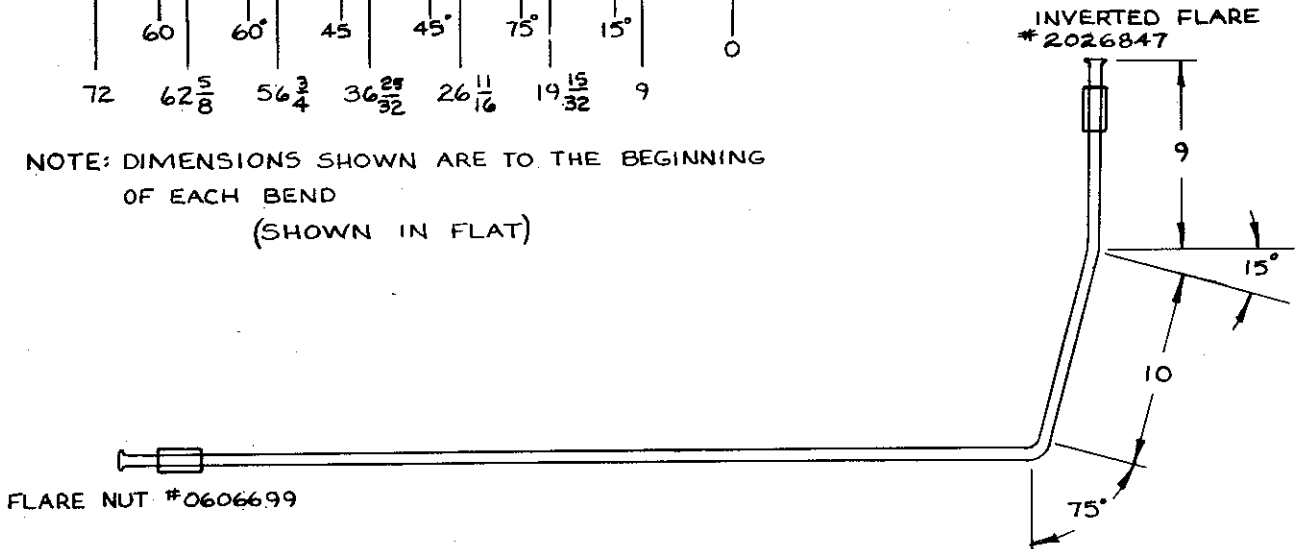
8

MATERIAL: $\frac{5}{8}$ I.D. COPPER TUBING

CUT LENGTH: 72 (B)



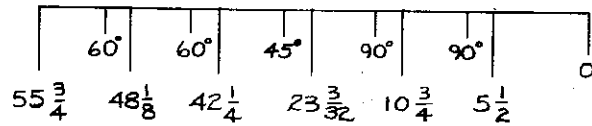
NOTE: DIMENSIONS SHOWN ARE TO THE BEGINNING OF EACH BEND (SHOWN IN FLAT)



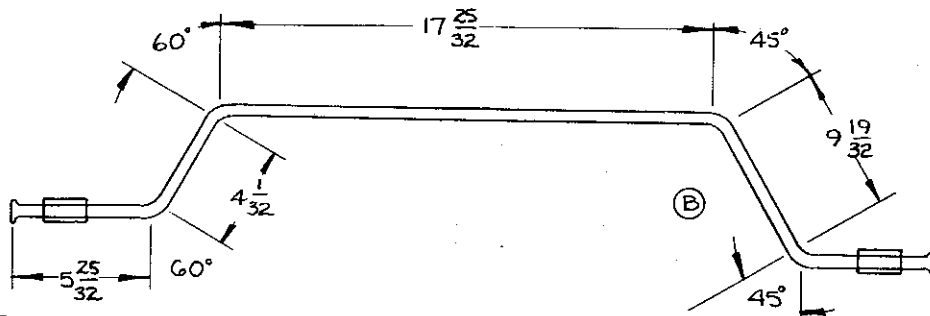
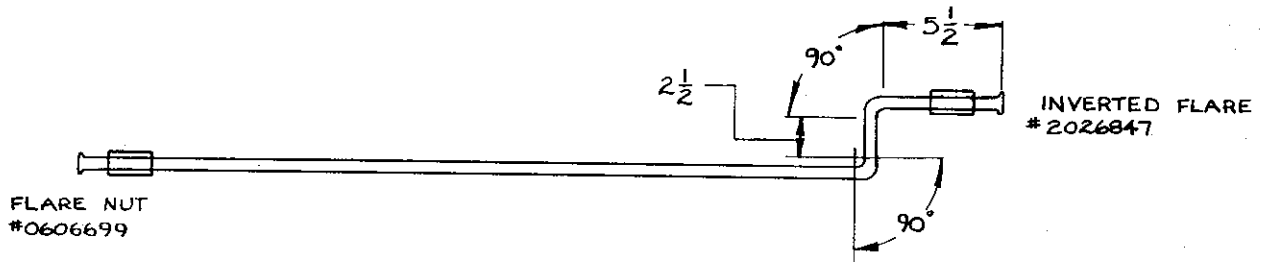
0878546 TUBING, TRANS. COOLANT, FROM RADIATOR, CUMMINS V-504A, V-555A

9

MATERIAL: $\frac{5}{8}$ I.D. COPPER TUBING
 CUT LENGTH: $55\frac{3}{4}$ (B)



NOTE: DIMENSIONS SHOWN ARE TO THE BEGINNING
 OF EACH BEND
 (SHOWN IN FLAT)



0878538 TUBING, TRANS. COOLANT TO
 RADIATOR, CUMMINS V-504A,
 CUMMINS V-555 A

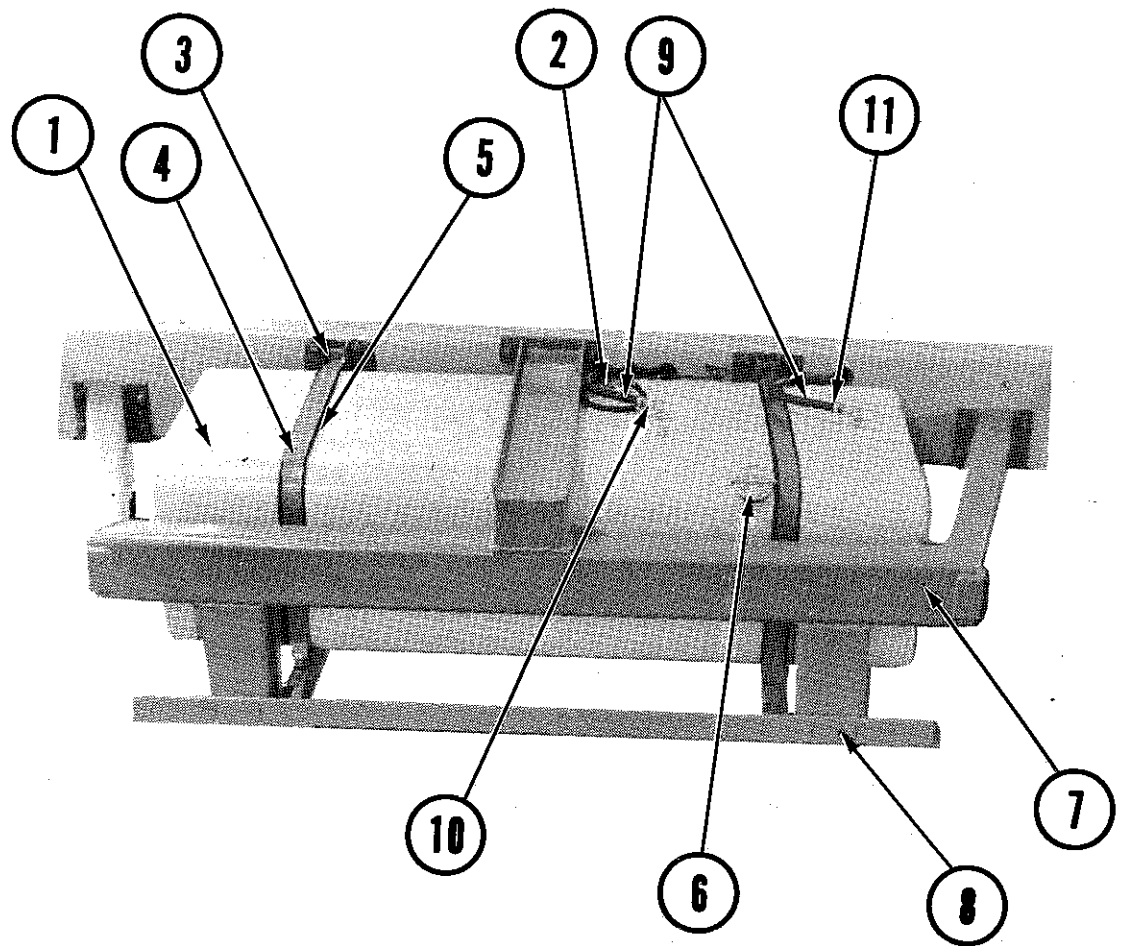
NOTES:

1. INVERTED FLARE #2026847
 STANDARD ON RADIATOR END
 OF TUBING
2. FLARE NUT #0606699 STANDARD
 ON TRANS. END OF TUBING
3. DOUBLE FLARE BOTH ENDS OF
 TUBING
4. TYPICAL $1\frac{3}{8}$ RADIUS ON ALL BENDS

(10)

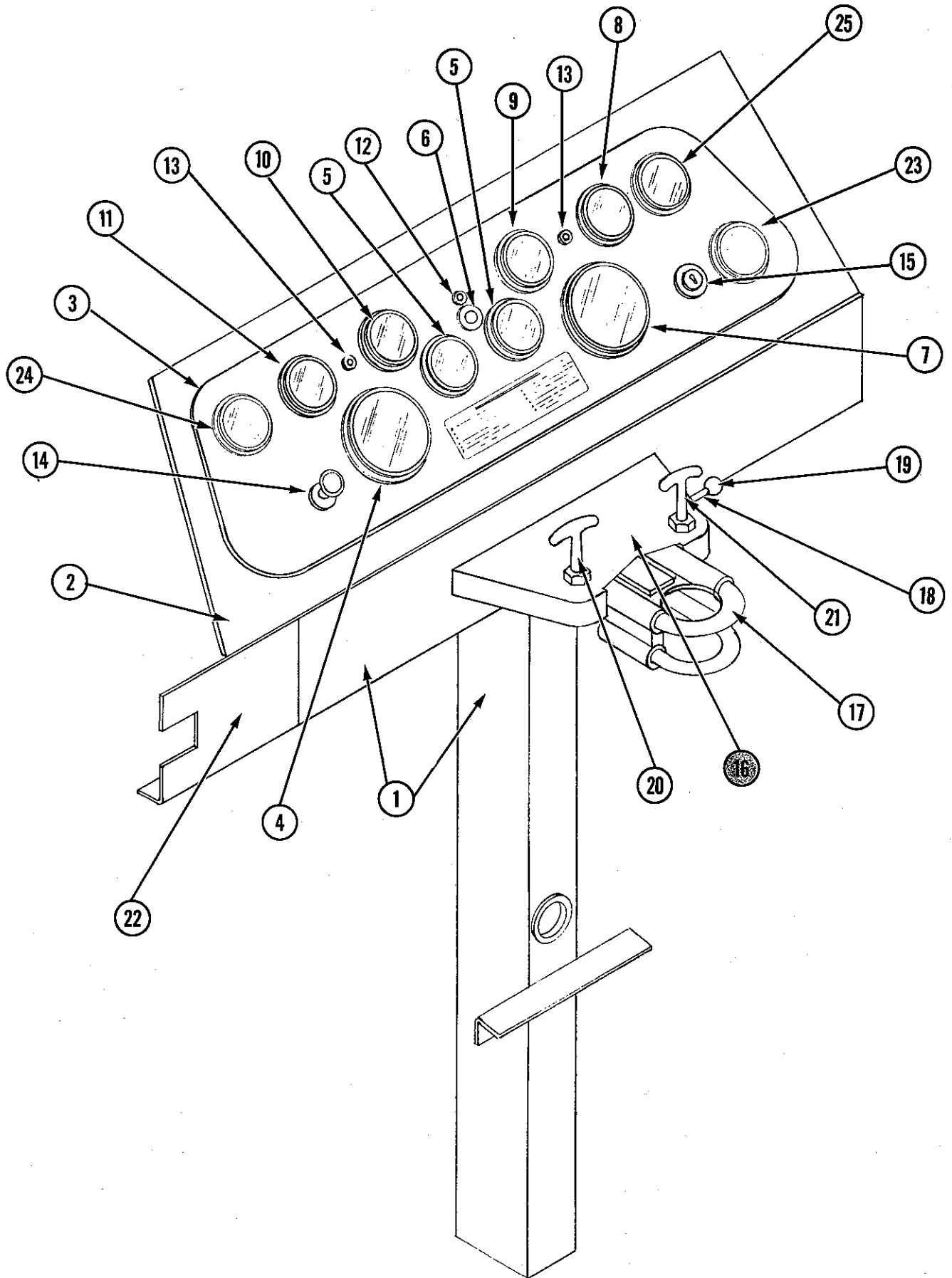
FUEL SYSTEM

Fuel tanks and accessories used on your Blue Bird Chassis are listed in this section for your convenience. Where applicable, both Blue Bird vendor parts are listed.



FUEL SYSTEMS:

KEY NO.	PART NO.	PART NAME	APPLICATION	QTY.
1	0822312	Tank, 60 Gal. Safety	All exc. Calif.	1
1	0884510	Tank, 60 Gal. Safety	Calif. only	1
NI	0884528	Neck Assy., Fuel Tank 150 Gal.	Calif. only	1
2	2025807	Sender	ALL	1
3	0329342	Bracket Assy.	ALL	2
4	0179408	Strap Assy.	ALL	2
5	2007649	Pad, Strap	ALL	2
6	2101731	Cap, Fuel Tank	ALL	1
7	0822569	Barrier Assy.	ALL	
8	0822361	Barrier Assy., Lower Half	ALL	
9	0659060	Hose, B706 3/8 Gas	Diesel, Exc. Cummins	
NI	2027688	Hose, 5/8	Cummins Only	
NI	0520908	Female, End, 5/8 Hose	ALL	2
10	0659086	Coupling, Inverted Flare, 3/8 Male Swivel	Diesel, Exc. Cummins	2
10	2027662	Coupling 4742 8B SAE Male Flare	Cummins Only	
NI	2027712	Hose 1/2 I.D. x 5/8 O.D. 1534 10	ALL	
NI	2026953	Union, Inverted Flare	ALL	1
11	2027571	Clamp, Hose 6203	ALL	2



INSTRUMENT GROUP

KEY NO.	PART NO.	PART NAME	APPLICATION	QTY.
1	0654756	Panel assy., instrument, lower half	ALL	1
2	0526202	Panel, instrument, supporting	ALL	1
*3	0884627	Panel assembly, instrument	Mile dual scale w/o Dual Brakes	1
*3	0884619	Panel assembly, instrument	Mile dual scale with dual brakes	1
*3	0884601	Panel assembly, instrument	Kilometer, w/o dual brakes	1
*3	0884593	Panel assembly, instrument	Kilometers with dual brakes	1
*3	0884635	Panel assy., instrument, kilometer W/ BT-75 brake	ALL w/BT-75 Brakes	1
3	0889802	Panel only, instrument	ALL W/BT-75 Brakes	1
3	0804021	Panel only, instrument	Mile dual scale W/O dual brakes	1
3	0804013	Panel only, instrument	Mile dual scale with dual brakes	1
4	0804542	Speedometer, Kilometers	ALL W/Kilometer Speedometer	1
4	0884585	Speedometer, Miles, dual scale	ALL w/miles dual scale	1
NI	0819508	Speedometer cable & housing assy. 120"	534A, 427, 427A, 3208A, V504, V504A, 446A, 446	1
NI	0819656	Speedometer cable & housing assy. 102"	ALL w/2 speed axle	1
<p>*NOTE: These panels contain the following instruments: Fuel gauge, oil pressure gauge, water temperature gauge, ammeter, air pressure gauge(s), speedometer directional signal switch (2) Green, high beam indicator light (Blue) air pressure warning light, (RED) instrument panel wiring harness W/Quick disconnect.</p>				
NI	2022200	Adapter assy., speedometer, GMC #2307815	ALL W/2 speed axle	1
5	0884577	Gauge, air pressure, teleflex #9148571	ALL	AR
NI	2008241	Elbow, air pressure gauge 1/8 pipe	ALL	AR
NI	2008209	Coupling, elbow, air pressure gauge 1/8 pipe	ALL	AR
6	0804476	Light, air pressure warning, red 12 volt Teleflex # 6283575	ALL	1
7	0830927	Tachometer, Teleflex # 9128971	ALL Gasoline Engines	1
7	0830935	Tachometer, Teleflex # 9128774	ALL Diesel Engines	1
NI	0378950	Sender, diesel tachometer, Stewart Warner # 811532	ALL Diesel Engines	1
NI	0620104	Adapter, 90° Tachometer Sender Caterpillar # 2N3909	3208 with Tachometer	1
8	0804427	Ammeter, 100-0-100 for use w/s-w #407616 Shunt	ALL w/bt-75 brake	1
8	0847962	Ammeter, 100-0-100, Teleflex #9109773	ALL	1
NI	0804292	Shunt, Ammeter, Stewart Warner #407616	ALL	1
NI	0802934	Splash shield, shunt	ALL	1
9	0884569	Gauge, water temperature, teleflex #9109877	ALL	1
NI	0804302	Sender, water temperature, 1/8 pipe Stewart Warner # 334-F	534A, 446, 446A	1
NI	0804310	Sender, water temperature, 1/2 pipe Stewart Warner #334-R	427, 427A, 534 534A 3208, 3208A, V504 V504A, 6V53, 6V53A V555, V555A	1

0952465

INSTRUMENT GROUP

KEY NO.	PART NO.	PART NAME	APPLICATION	QT
10	*0884544	Gauge, oil pressure, teleflex # X000246	ALL	1
NI	*0824144	Sender, oil pressure, teleflex #35423-35	ALL	1
**NOTE: Care must be taken to match this gauge & sending unit or an incorrect oil pressure reading will result.				
11	0804393	Gauge, fuel, teleflex #9109576	ALL	1
NI	2025807	Sender, fuel tank, Stewart Warner # 391-D Set for 13½" depth tank	W/60 gal. fuel tank	
12	0804468	Light, high beam indicator, blue, 24 Volt, Teleflex #6283772	ALL	1
13	0804450	Light, directional signal, green 12 volt, teleflex # 6283970	ALL	2
14	2025526	Switch, headlight Delco Remy #1995194	ALL	1
NI	2025559	Mounting Nut, Headlight switch, Delco Remy #1952727	ALL	1
NI	2025534	Rod, headlight switch, Delco Remy #1991048	ALL	1
15	0770339	Switch assy., Ignition, w/keys & cylinder Pollak L 5132-GW	ALL	1
NI	2025195	Switch, headlight dimmer, Colehersee # A7767	ALL	1
NI	2006807	Warning light Cole-Hersee #PL-19	ALL w/engine warning system	1
NI	2006815	Socket assy., w/bulb, Cole-Hersee #2506	ALL w/engine warning system	1
NI	0765313	Pilot light, engine stop, Cole- Hersee #PL-112	6V53, 6V53A	1
16	0663542	Bracket assy., adjustable tilt steering wheel complete	ALL	1
NI	0663559	Bracket assy., tilt steering wheel	ALL	1
17	0663583	Slide assy., adjusting, tilt steering wheel	ALL	1
NI	0852590	Light, antilock	AC skid control	1
NI	0862532	Shroud, indicator light-antilock	AC skid control	1
NOTE: FOR STEWART INTERCHANGE ON TELEFLEX INSTRUMENTS, SEE PAGE NO. 108 - 109.				
NI	0618413	Pin, Roll, ¼" Dia. X 3/4" Long	ALL	1
NI	0609792	Lock, slide adjusting, tilt steering wheel	ALL	1
18	0756015	Lever, lock, tilt steering wheel	ALL	1
NI	0618074	Spring, lock, tilt steering wheel	ALL	1
NI	0618066	Guide, lock, tilt steering wheel	ALL	1
19	0755496	Ball knob, black	ALL	1
20	0666057	Cable assy., choke control	Except diesel	1
21	2025930	Cable assy., throttle control	ALL	1
NI	0414144	Kit, quick starting aid (complete)	ALL Diesel w/quick starting aid op.	1

INSTRUMENT GROUP

NO.	PART NO.	PART NAME	APPLICATION	QTY.
22	0831347	Trim, instrument panel, lower	ALL	1
NI	0804344	Clock, Teleflex # 6518475	ALL w/option 4463 engine hour-meter	1
23	0804369	Hour-Meter, Teleflex #9110075	ALL w/option 4465 engine hour-meter	1
24	0804336	Gauge, transmission oil temperature, Teleflex # 9110470	ALL w/option 4466 transmission oil Temp.	1
NI	0804260	Sender, Transmission oil temperature, Stewart-Warner #334-S	ALL w/option 4466 transmission oil temp. gauge	1
25	0804328	Voltmeter, Teleflex # 9110179	All w/option 4462 voltmeter	1
NI	0804484	Harness, wiring, instrument panel Teleflex # 1298778	ALL	1
NI	0826982	Harness, wiring, master	ALL	1
NI	0804211	Harness, wiring, Cummins engine	V504, V504A V555, V555A	1
NI	0804203	Harness, wiring, caterpillar & Detroit diesel engines	3208, 3208A 6V53, 6V53A	1
NI	0851048	Harness, wiring, Ford engine	534, 534A	1
NI	0849026	Harness, wiring, Chev. engine	427, 427A	1
NI	0847368	Harness, Wiring, IHC engine	446, 446A	1
NI	0827188	Harness, wiring, Ford engine	534A	1

NOTE: Each Blue Bird chassis requires three (3) separate wiring harness sets equipped with quick-disconnect connections. They are as follows:

- No. one Instrument panel wiring harness
- No. two Master wiring harness
- No. three Engine wiring harness (Unique to engine)

INSTRUMENT GROUP

Teleflex to Stewart-Warner instrument interchange

Requests have been received from the field for interchange information on the Teleflex instruments that are currently being used as original equipment on Blue Bird chassis.

The interchange information is as follows:

<u>Description</u>	<u>Blue Bird No.</u>	<u>Teleflex No.</u>	<u>Stewart-Warner No.</u>
Air Pressure Gauge	0884577	9148571	490-HC
Ammeter Gauge	0847962	9130671	284-AA
Ammeter Shunt	0804294	Not Available	407616
Clock	0804344	06518475	284-AL
Fuel Gauge	0804393	9109576	284-M
Fuel Sending Unit	2025807	Not Available	391-B
Hourmeter	0804369	9110075	15066-3 (Hobbs)
Tachometer Head (Diesel)	0830935	9128774	994-C
Tachometer Head (Gas)	0830927	9128971	994-D
Transmission Temp. Gauge	0804336	9110470	465-S
Transmission Temp. Sender	0804260	Not Available	334-S
Water Temperature Gauge	0884569	9148477	465-AJ
Water Temperature Sender (1/8"PT)	0804302	Not Available	334-F
Water Temperature Sender (1/2"PT)	0804310	Not Available	334-R
Voltmeter	0804328	9110179	284-H

We are unable to find an exact interchange on the Teleflex speedometer head, Part No. 9110573, Blue Bird No. 0804542. Stewart-Warner does offer; however, two (2) speedometers which can be used satisfactorily. They are Part No's 550-HF and 550-EY. The 550-HF speedometer is equipped with a dial range of 0 to 80 miles per hour and its odometer does not record the mileage in tenths. The 550-EY speedometer is equipped with a dial range of 0 to 120 miles per hour and the odometer does record mileage in tenths.

On August 24, 1976 and beginning with Chassis No. 10696, Chassis Service No. 0950872, a change was made by Blue Bird in the oil pressure gauge and the oil pressure sending unit. Teleflex No. 9148373 oil pressure gauge and Teleflex No. 35423-35 oil pressure sending unit are used on all units manufactured on or after August 24, 1976. When necessary to replace this gauge, it will also be necessary to replace the respective oil pressure sending unit. Stewart-Warner No. 490-HD oil pressure gauge and Stewart-Warner No. 279-B oil pressure sending unit can be used satisfactorily as a replacement. The gauge, Part No. 490-HD can also be used to replace Teleflex No. 9109670 which was used on chassis built prior to August 24, 1976.

INSTRUMENT GROUP

Teleflex to Stewart-Warner instrument interchange

<u>Description</u>	<u>Blue Bird No.</u>	<u>Teleflex</u>	<u>Stewart-Warner No.</u>
Oil Pressure Gauge	0804401	9109670	490-HD
Oil Pressure Gauge	0884544	9148873	490-HD
Oil Pressure Sender	2025831	Not Available	353-BE
Oil Pressure Sender	0824144	35423-35	279-B

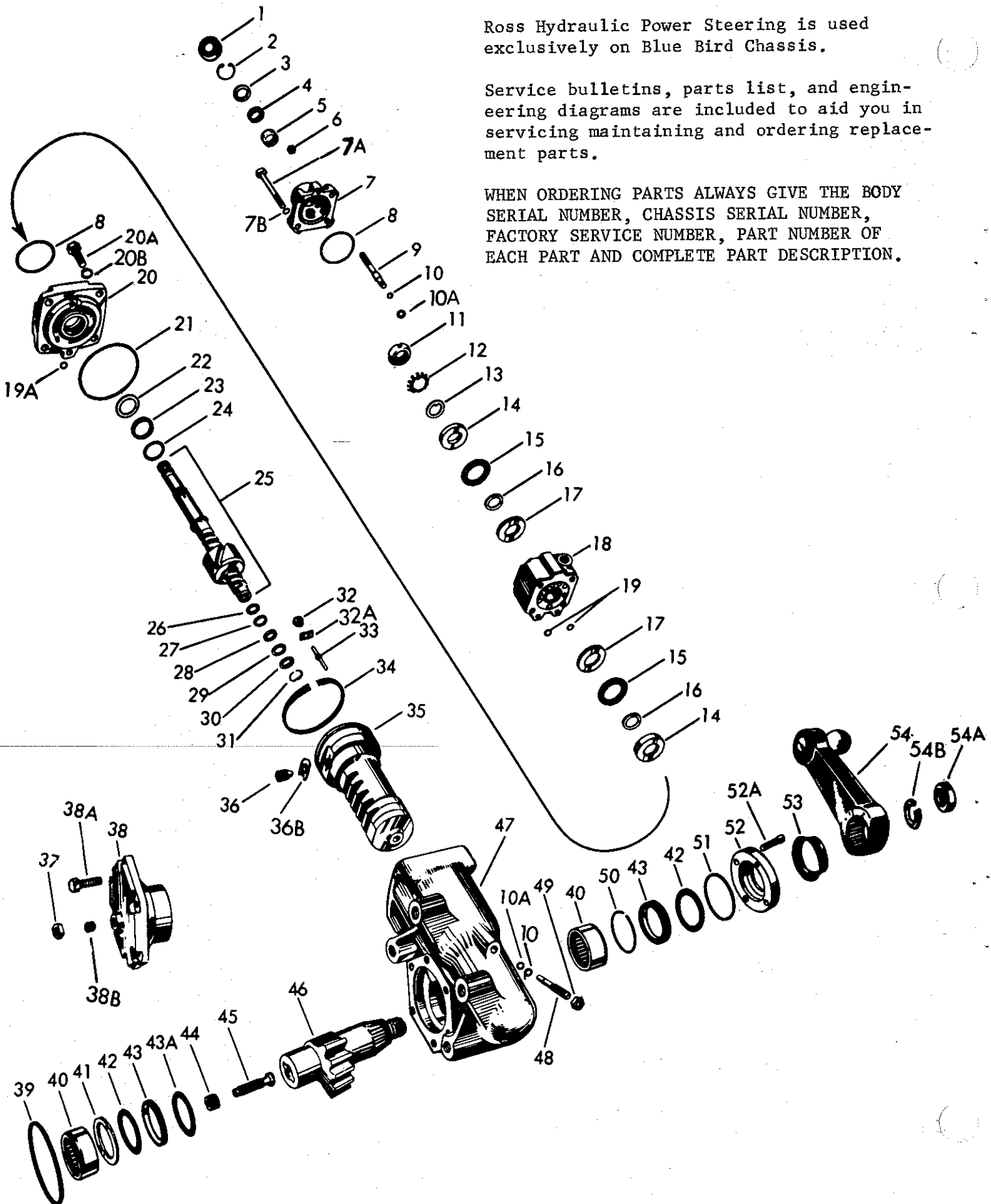
The above interchange is being supplied for your information only. It is not intended, nor should it be misconstrued, as being our authorization to replace a Teleflex gauge with a Stewart-Warner guage while the vehicle is in our warranty period.

STEERING

Ross Hydraulic Power Steering is used exclusively on Blue Bird Chassis.

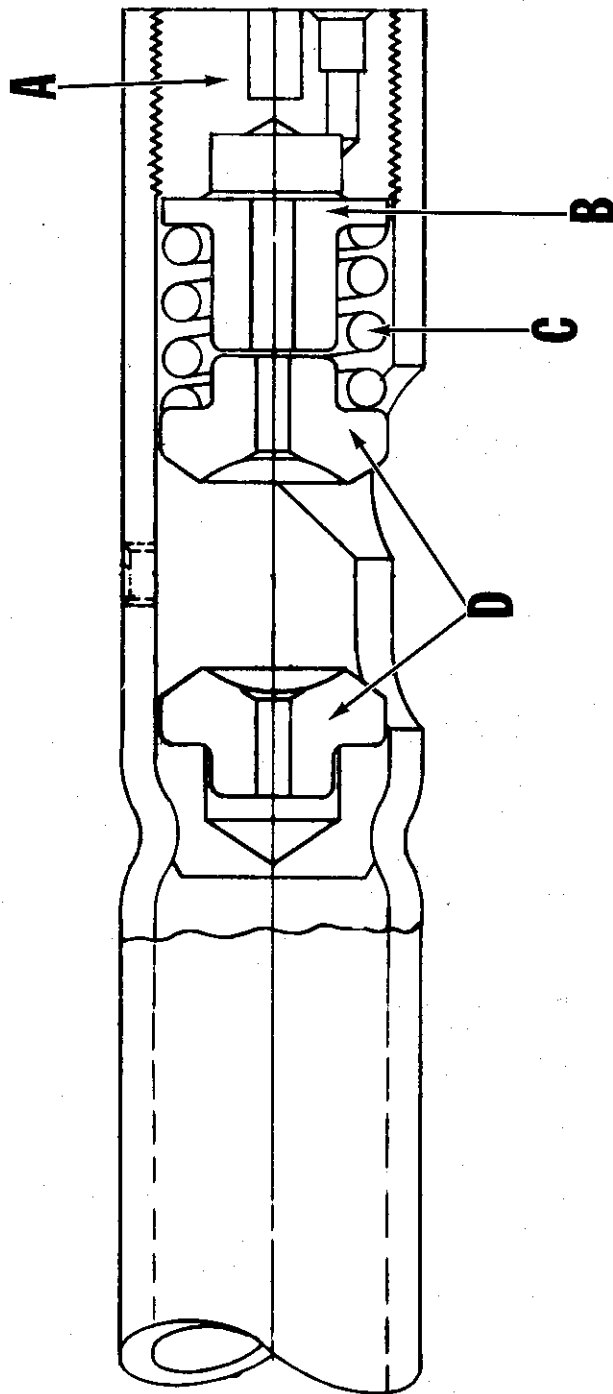
Service bulletins, parts list, and engineering diagrams are included to aid you in servicing maintaining and ordering replacement parts.

WHEN ORDERING PARTS ALWAYS GIVE THE BODY SERIAL NUMBER, CHASSIS SERIAL NUMBER, FACTORY SERVICE NUMBER, PART NUMBER OF EACH PART AND COMPLETE PART DESCRIPTION.



INTEGRAL POWER STEERING (ROSS MODEL # HF-64066)

KEY NO.	PART NO.	PART NAME	QTY.
1	402226	Seal, Input Shaft Dirt & Water	1
2	401314	Ring, Retaining	1
3	029097	Washer, Seal Back-Up	1
4	032356	Seal, Input Shaft	1
5	063029	Bearing, Input Shaft Needle	1
6	G-114493	Nut, Adjusting Screw Jam	1
7	HF-646001-A5	Cover, Hydraulic Control Valve	1
7a	G-186282	Cap Screw, 3/8" - 16 x 3 1/4" Hex Head	4
7b	028333	Washer, 25/64" x 11/16" Plain	4
8	032344	"O" Ring Seal, Hyd. Control Valve Cover	2
9	021293	Screw, Pressure Unloader Valve Adjusting	1
10	032200-3	"O" Ring, Pressure Unloader Screw	2
10a	032477	Ring, Back-up	2
11	G-127708	Nut, Thrust Bearing Adjustment	1
12	028285	Lockwasher, Adjusting Nut (External Tang)	1
13	028258	Washer, Internal Tang	1
14	028347	Washer, Thrust Bearing Race (Heavy)	2
15	067026	Bearing, Thrust (Needle)	2
16	028349	Spacer, Needle Thrust Bearing	2
17	028288	Washer, Thrust Bearing Race (Light)	2
18	V-220009	Valve, Hydraulic Control	1
19	032341	"O" Ring Seal, Hydraulic, Cylinder Port	2
19a	032401	Seal, Hydraulic Cylinder Port	1
20	402346-A1	Adapter Assy., Hydraulic Control Valve	1
20a	G-179885	Screw, 1/2" x 13 x 1 1/2" Hex Head	4
21	028335	Plain Washer, 1/2"	4
21a	032345	Seal Ring, Hydraulic Control Valve Adapter	1
22	032363	Washer, Seal Back-up	1
23	032362	Seal, Hydraulic Control Valve Adapter	1
24	401313	Ring, Spiral Lock	1
25	HF-643201-A9	Shaft Assembly, Input Worm & Follower	1
26	028355	Washer, Lower Worm Shaft Seal Back-up (Steel)	1
27	032364-A1	Seal Assembly, Lower Worm Shaft	1
28		Cup, Lower Worm Shaft Seal (supplied with part no. 032364 -A1 only)	1
29	029099	Washer, Low Worm Shaft Seal Cup Back-up (Bronze)	1
30	028356	Washer, Low Worm Shaft Retaining Ring	1
31	401315	Ring, Lower Worm Shaft Retaining (Snap)	1
32	415438	Seat, Pressure Unloader Valve (Poppet)	1
32a	028409	Lockwasher, Pressure Unloader Valve (Poppet)	1
33	040116	Valve, Pressure Unloader (Poppet)	1
34	032590	Ring, Piston	1
34a	032483	Ring, Piston Back/up	1
35	HF-647013	Rack, Piston	1
36	021282	Screw, Worm Follower Locking	1
36a	028402	Special Washer (Lock)	1
37	025031	Nut, Sector Shaft Adjusting Screw Jam	1
38	HF-645003-A1	Cover, Housing Side	1
38a	021277	Cap Screw 9/16" - 18 x 1" Special Hex Head	6
38b	036141	Plug, Relief Rubber	1
39	032345	Seal Housing Side Cover	1
40		Bearing, Sector Shaft (Supplied only as part of HF-654003)	2
NI	HF-64000	Complete Seal Kit For HF 64 Gear)	



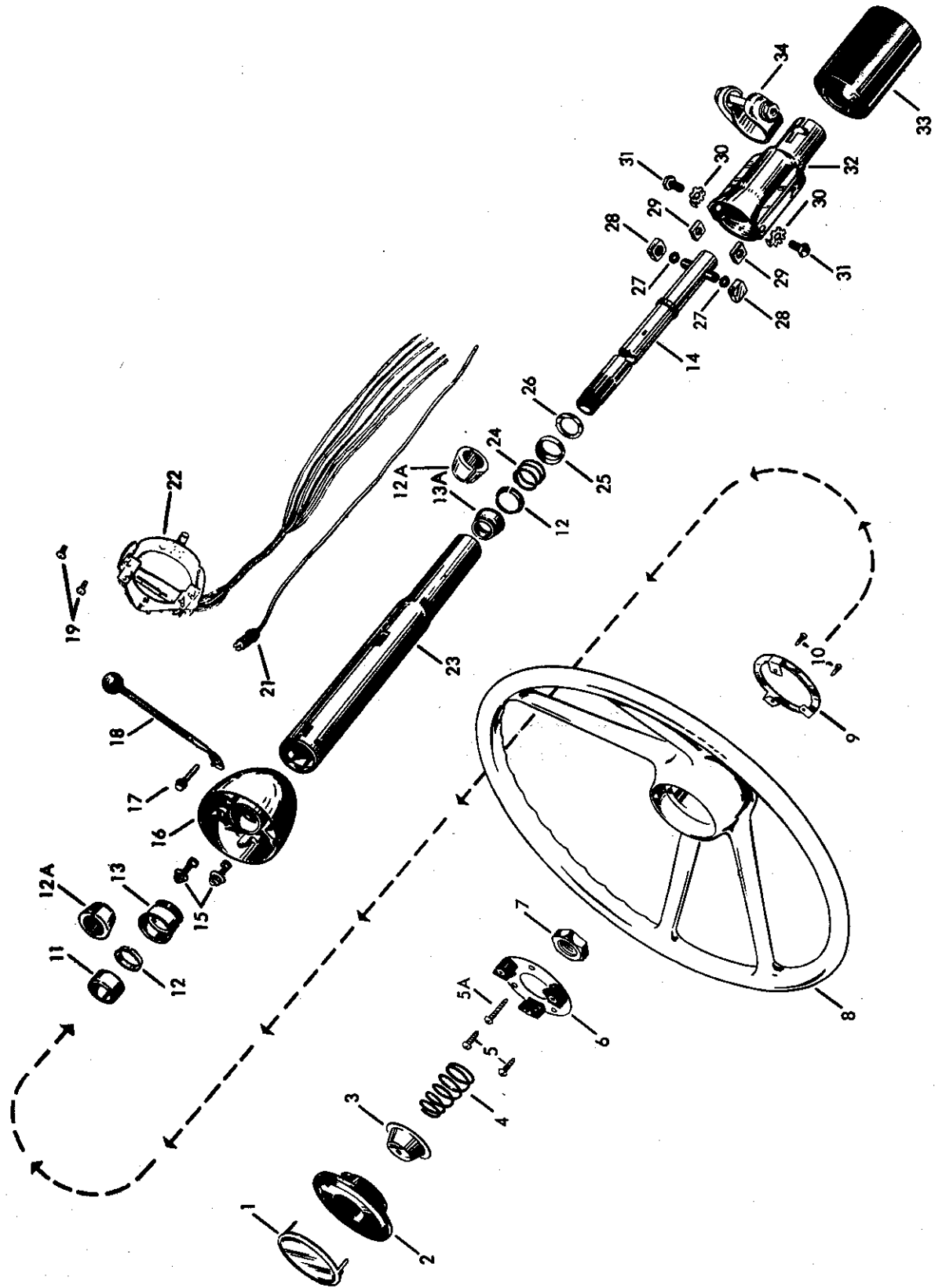
INTERGRAL POWER STEERING

KEY NO.	PART NO.	PART NAME	QTY.
41	028348	Washer, Seal Back-Up	1
42	028435	Washer, Leather Back-Up	2
43	032355-A1	Seal Assembly, Sector Shaft	2
43a	401341	Ring, Snap	1
44	062005	Retainer, Sector Shaft Adjusting Screw	1
45	021200	Screw, Sector Shaft Adjusting	1
46	HF-642012-A12-450	Shaft, Sector	1
47	Hf-642011	Housing, Steering Gear	1
48	021289	Screw, Pressure Unloader Valve Adjusting	1
49	G-272121	Nut, Pressure Unloader Valve Adjusting Screw Jam	1
50	401309	Ring, Sector Shaft Bearing Adjusting	1
51	032346	Seal, Sector Shaft Seal Adapter (Trunnion)	1
52	402285	Adapter, Sector Shaft Seal (Trunnion Carrier)	1
52a	G-9421624	Cap Screw, 5/16" - 18 x 1" Socket Head	4
53	032391	Seal Sector Shaft Dirt & Water (Dust)	1
54	442089-31	Arm Pittman	1
54a	025033	Nut, Pittman Arm (1 1/2" - 12)	1
54b	G-118029	Lock Washer, Pittman Arm Nut 1/2" Light)	1
NI	0562298	Cover Assy. Intergral Power Steering	1
NI	HF-644011-A2	Side Cover and Gear Shaft Assy.	1
NI	021200	Adjusting Screw	1
NI	0597419	Drag Rod Ass'y.	1

DRAG ROD INTERNAL PARTS

A	S-3342D	Adjusting Plug - 2596518	2
B	S-3338D	Spring Seat	2
C	S-33	Spring 2596617 209 2627107	2
D	S-7217D	Ball Seat 2597318	4

INTEGRAL POWER STEERING

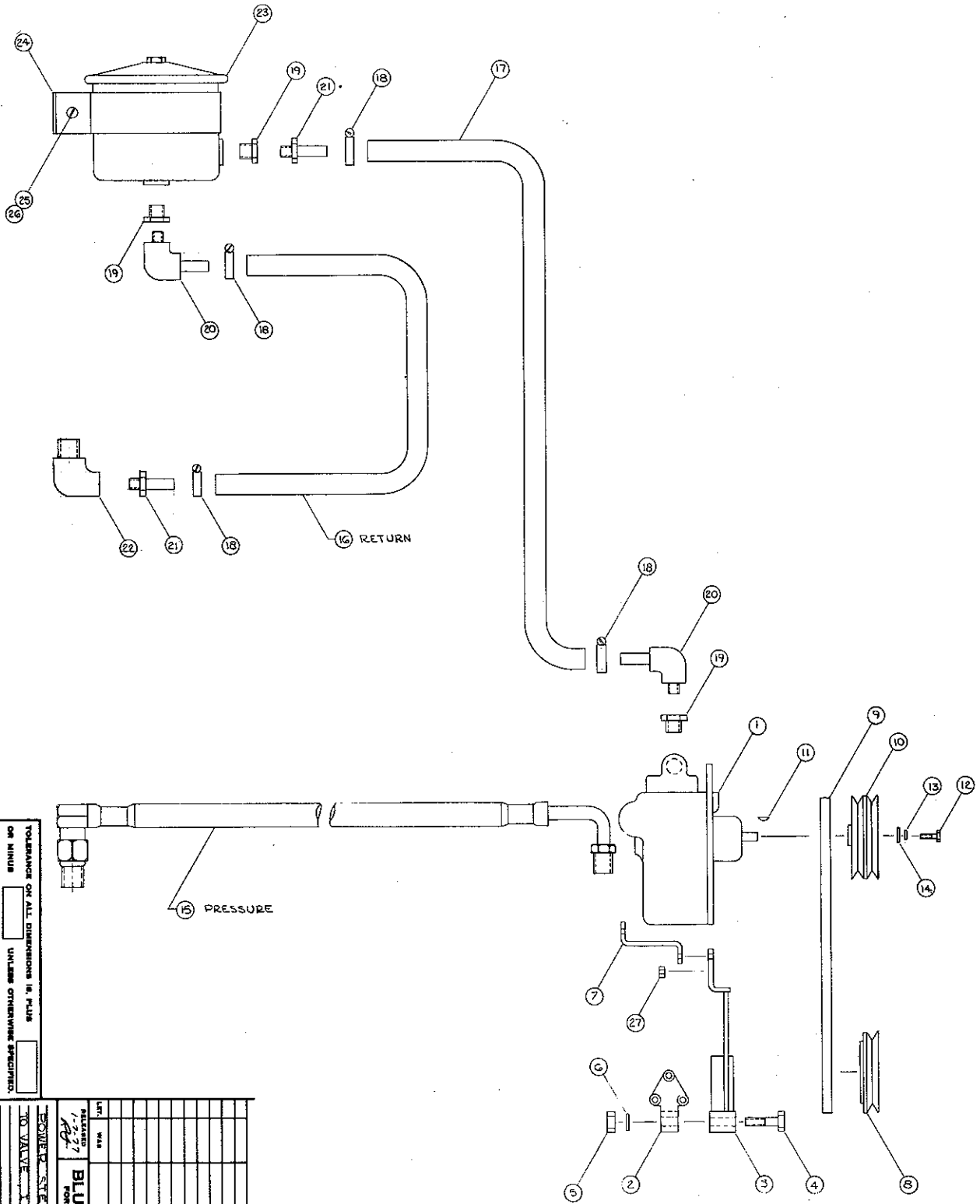


INTEGRAL POWER STEERING

KEY NO.	PART NO.	PART NAME	QTY.
NI	465614	Horn button kit includes items 1,2,3,4,5,5A,6,9,10	1
1	450141	Emblem, Horn Button	1
Z	0876839	Button, horn Merit Plastics 49007	1
3	029037	Cup, Horn Contact (BB# 0876755)	1
NI	0877498	Horn button, Shakinee Plastics	1
4	401286	Spring, horn button (BB# 08768211)	1
5	148595	Screw, horn base plate (#10 X 5/8" Rd. Slotted Head)	2
5a	173654	Screw, Horn base plate (Flat head/slotted)	1
6	453088-A4	Plate assembly horn button base (BB# 0876748)	1
7	026045	Nut, steering wheel	1
8	0876805	Wheel, Steering, 21" Dia. Beige, Inc. #286232C21	1
9	453091	Ring, Horn contact BB# 0876797	1
10	173654	Screw, horn contact ring drive (#8-15 X 1½ (BB#0876789)	2
11	477219	Spacer, 1 3/16" O.D. x 5/8" wide (Upper)	1
12	477194	Seat, Horn spring	2
		Not Applicable	
13	065987	Bearing ass'y., Jacket tube upper	1
13a	065985	Bearing Ass'y., Jacket tube lower	1
14	089130-AL-2175	Shaft Ass'y., Steering Tube	1
15	021193	Bolt steering clamp "J"	2
*16	456071	Housing, Turn signal	1
17		Not Applicable	
18	452212	Lever ass'y., Directional	1
19	163105	Screw, Directional switch mounting	2
21	032529	Horn contact roller ass'y.	1
22	480868	Switch ass'y., directional & hazard signals 0031533	1
*23		Tube, steering jacket	1
NI	456063-A19-1800	Tube ass'y., steering jacket & turn signal housing	1
24	401254	Spring, lower jacket tube	1
25	029085	Dust cap, jacket tube lower	1
26	028292	Washer, jacket tube lower	1
27	028308	Washer, wheel shaft wave	2
28	055028	Button, wheel shaft slide	2
29	025082	Special nut, wheel shaft lower	2
30	028315	Tongued washer, coupling shell	2
31	G-181307	Cap screw, coupling shell	2
32	403723-A1	Coupling shell, steering shaft	1
33	032313	Rubber shield, steering shaft lower	1
34	475183-A1	Clamp ass'y., steering coupling shell	1
NI	G-106261	Plain washer, 5/16" x 3/4"	2
NI	477180	Ring, reinforcing	1
NI	403723-A5-2300	Coupling ass'y., flexible	1
NI	402221	Expansion plug, 1 1/4" diameter	1

*Items No. 16 & 23 are not serviced separately. Use part No. 456063-A19-1800.

BLUE BIRD NOS.	ITEM	QTY.	NAME	VENDOR & THEIR PART NUMBER	REMARKS
0847319	1	1	Power Steering Pump	Eaton #ER-15717-1	
0847301	2	1	Power Steering Pump Mounting Bracket	IHC #874417-C1	Supplied w/Engine
0847020	3	1	Bracket Ass'y., P/S Pump Mounting		Manufactured
0651828	4	1	Capscrew, Hex Head		5/8 - 11 NC x 3 Long, Grade 8
2001493	5	1	Nut, Hex		5/8 - 11 NC
2001220	6	1	Lockwasher		5/8
0847269	7	1	Brace, Power Steering Pump		Manufactured
0847327	8	1	Power Steering Crankshaft Pulley		Supplied w/Engine
0847343	9	1	Power Steering Pump Drive V-Belts	IHC #285522-C22	Supplied w/Engine (Matched Set)
0847335	10	1	Power Steering, Pump Pulley	IHC #874419-C1	Supplied w/Engine
0517995	11	1	#404 Woodruff Key	Ford #74172-S	1/8 x 1/2
0610725	12	1	Capscrew, Hex Head		5/16 - 18 NC x 1 1/4 Long, Grade 8
2001188	13	1	Lockwasher		5/16
0413195	14	1	Flat Washer	Ford #353846-88	11/32 I.D. x 1 O.D. x 3/16 Thick
0340260	15	1	Hose Assembly, Pressure	Anchor #8F-8BUMS090-A2162-315°-40"	6F Hose 40" O.A. with 90° Union Male Boss (3/4-16) Coupling and 3/8 Tube (5/8-18) Bent Tube (90°) Inverted Flare Coupling, Angle Offset - 315°
0668434	16	1	Hose, Return (Gear to Reservoir)	Imperial Eastman B710 5/8 I.D.	5/8 O.D. x 60" Long
0668434	17	1	Hose, Return (Reservoir to Pump)	Imperial Eastman B710 5/8 I.D.	5/8 I.D. x 22" Long
2008514	18	4	Clamp, Hose	Ideal 5210	5/8
2023539	19	3	Bushing, Pipe		3/8 FET x 1/2 MPT
0556159	20	2	Insert, Coupling	Imperial Eastman KF10-06FS90	5/8 I.D. Hose x 3/8 MPT x 90°
0413146	21	2	Insert, Coupling	Imperial Eastman KF10-06FS	5/8 I.D. Hose x 3/8 MPT
0668442	22	1	Elbow, Straight Thread, Male	Weatherhead #C3459 x 8	3/8 FET x 3/4-16 Straight Male Thread
0847350	23	1	Reservoir Assembly	Puroiator #6693806	1 Quart Capacity
0846832	24	1	Strap, P/S Reservoir Mount		Manufactured
2000107	25	1	Capscrew		1/4-20 NC x 3 1/2 Long
2001337	26	1	Nut, Hex		1/4-20 NC
2021541	-	1	Rubber Hose Clamp	ARCO #1361	Not Shown
0557710	-	2	Rubber Hose Clamp	ARCO #1645	Not Shown
0847475	27	1	Spacer, P/S Pump Bracket		Manufactured



TOLERANCE ON ALL DIMENSIONS IN. PLUS
ON MINUS
UNLESS OTHERWISE SPECIFIED.
INDUSTRIAL NO. 0758847
REPLACED BY NO. 0758847

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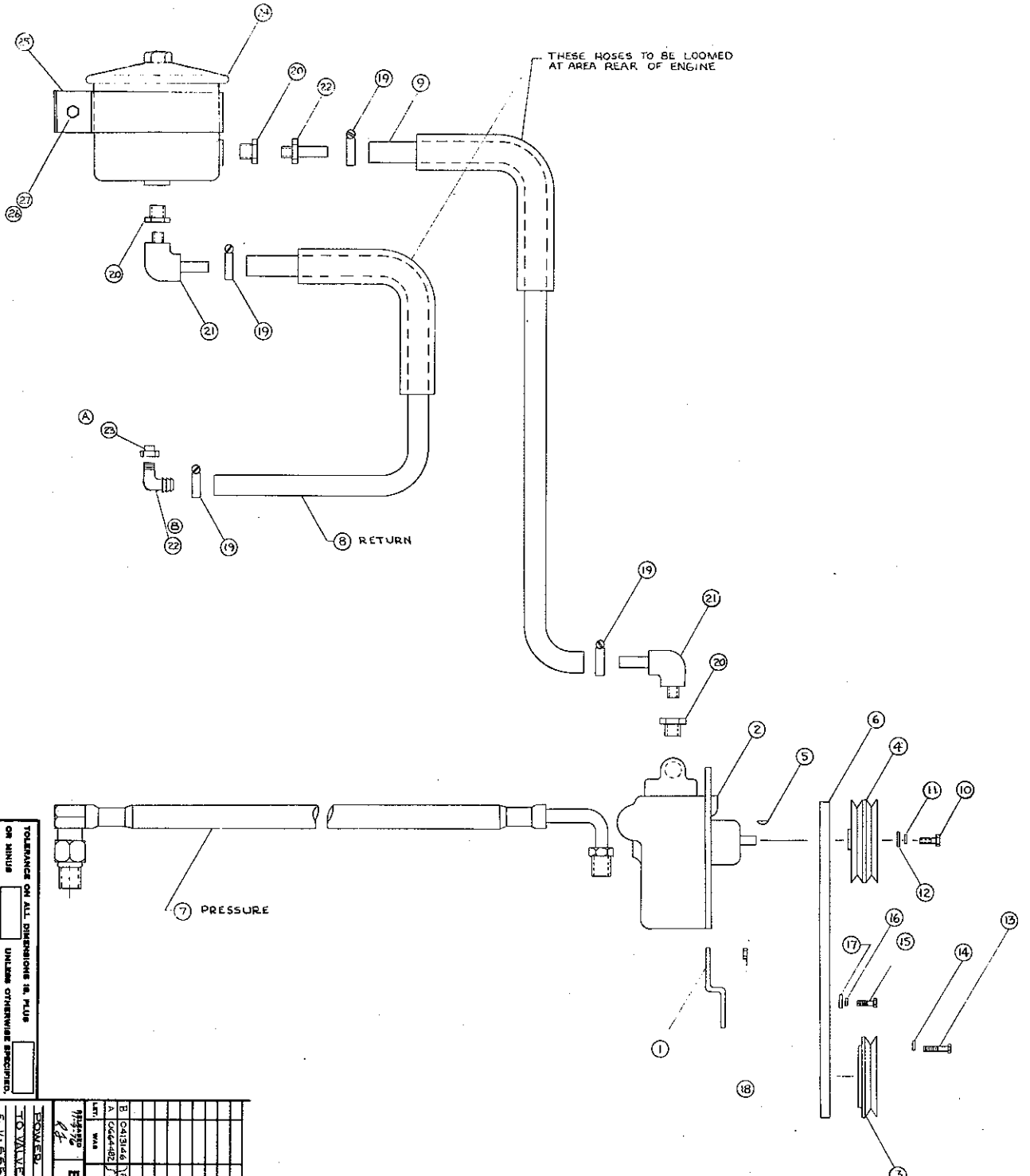
POWER STEERING ASSY. - BLUE BIRD
TO VALVE
1.18-7.6 BY 570
1.18-7.6 BY 570
DO NOT SCALE
C
0847277

BLUE BIRD BODY CO.
FORT VALLEY, GEORGIA, U.S.A.

0847277

Power Steering Assembly, Pump to Valve, Cummins V504, V555

BLUE BIRD NOS.	ITEM	QTY.	NAME	VENDOR & THEIR PART NUMBER	REMARKS
	1	1	Power Steering Pump Mounting Bracket	Cummins #171301	Supplied W/Engine
0848820	2	1	Power Steering Pump	Eaton #ER-15700-1	
0663633	3	1	Power Steering Crankshaft Pulley V504	Cummins #553081	Supplied W/Engine, Cummins V504 & V504A Only
0822213	3	1	Power Steering Crankshaft Pulley V555	Cummins #202294	Supplied W/Engine, Cummins V555 & V555A Only
0539189	4	1	Power Steering Pump Pulley V504	Cummins #171302	Front Belt Groove Removed, Cummins V504 & V504A Only
0822130	4	1	Power Steering Pump Pulley V555	Cummins #171302	Supplied W/Engine, Cummins V555 & V555A Only
0517995	5	1	Woodruff Key #404	Ford #74172-8	1/8 x 1/2
.J21871	6	1	Power Steering Pump Drive V-Belt	Cummins #178554	Supplied W/Engine
0540260	7	1	Hose Assembly Pressure	Anchor #6F-8BUMS090-A2162-315-40	6F Hose 40" O.A. with 90 Union Male Boss (3/4-16) Coupling and 3/8 Tube (5/8-18) Bent Tube (90) Inverted Flare Coupling with Angle Offset 315
0668434	8	1	Hose Return (Gear to Reservoir)	Imperial Eastman B710	5/8 I.D. x 68" Long
0668434	9	1	Hose Return (Reservoir to Pump)	Imperial Eastman B710	5/8 I.D. x 50" Long
0610725	10	1	Cap Screw Hex Head		5/16 - 18 NC x 1 1/4 Long Grade 8
2001188	11	1	Lockwasher		5/16
0413195	12	1	Flat Washer	Ford #353846-88	11/32 I.D. x 1 O.D. x 3/16 Thick
	13	6	Cap Screw Hex Head		3/8 - 16 NC x 2 1/2 Long Grade 8 (Tighten to 45 Ft. Lbs.) Supplied W/Engine
	14	6	Lockwasher		3/8 Supplied W/Engine
	15	2	Cap Screw Hex Head		7/16 - 14 NC x 1 1/2 Long Grade 5 Supplied W/Engine
	16	2	Lockwasher		7/16 Supplied W/Engine
	17	1	Flat Washer		7/16 Supplied W/Engine
0377473	18	3	Crown Locknut	Grip Nut Company #TLA-3824-GRC	3/8 - 24 NF
2021561		1	Rubber Hose Clamp	Arco #1361	Not Shown
0557710		2	Rubber Hose Clamp	Arco #1645	Not Shown
2008514	19	4	Hose Clamp	Ideal #5210	5/8
2023539	20	3	Pipe Bushing		3/8 FPT x 1/2 MPT
0556159	21	2	Insert Coupling	Imperial Eastman KF10-06PS90	5/8 I.D. Hose x 3/8 MPT x 90
0413146	22	2	Insert Coupling	Imperial Eastman KF10-06PS	5/8 I.D. Hose x 3/8 MPT
0668442	23	1	Elbow Straight Thread Male	Weatherhead #C-3459XB	3/8 FPT x 3/4 - 16 Straight Male Thread
0847350	24	1	Reservoir Assembly	Purolator #6693806	One Quart Capacity
0846832	25	1	Strap P/S Reservoir Mount		Manufactured
2000107	26	1	Cap Screw Hex Head		1/4 - 20 NC x 3 1/2 Long
2001337	27	1	Nut Hex		1/4 - 20 NC



TOLERANCE ON ALL DIMENSIONS IS PLUS OR MINUS UNLESS OTHERWISE SPECIFIED.

INACTIVATES HOSE 0607457, 0822221

REPLACES BY NOM.

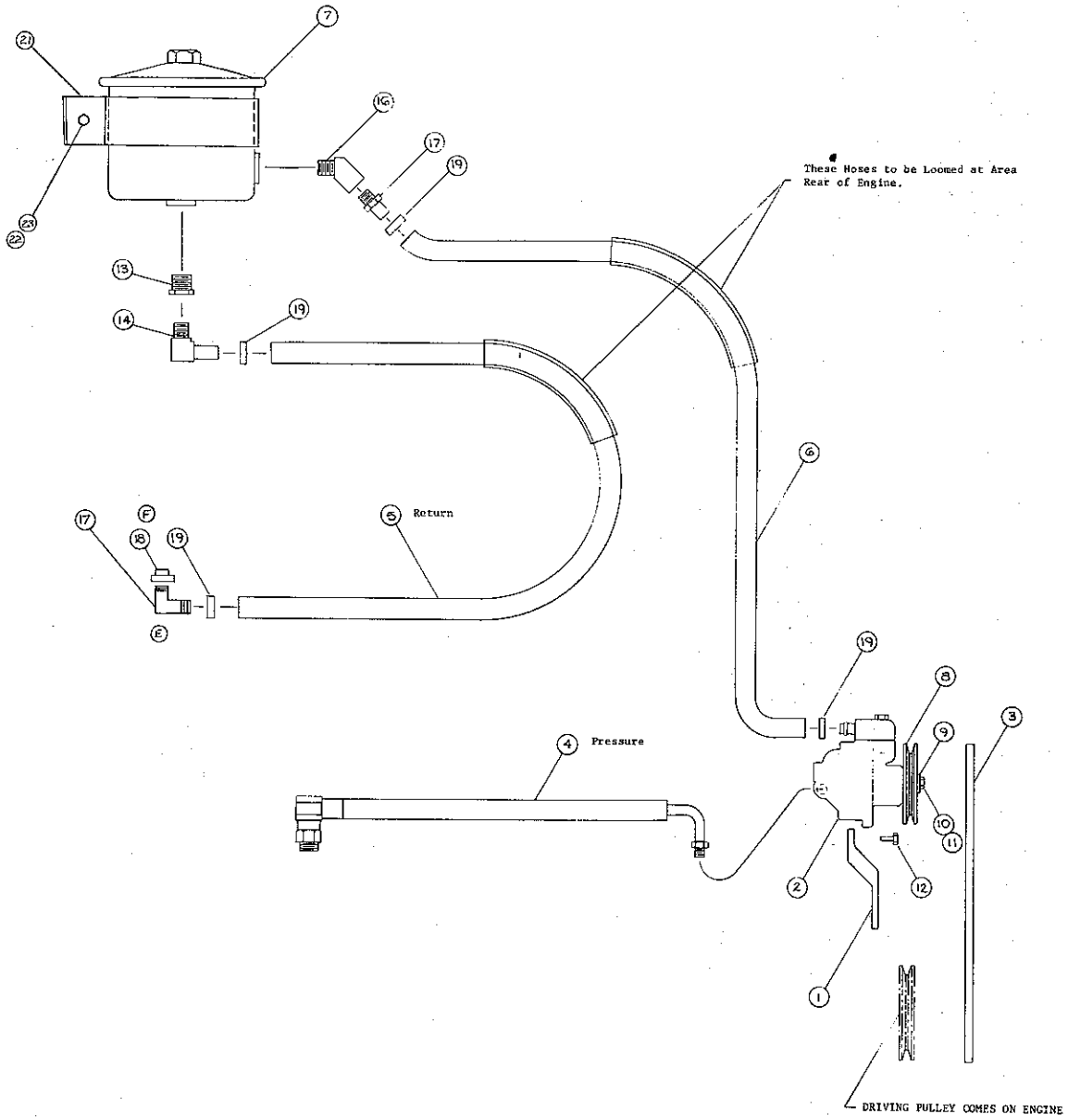
POWERED STEERING ASSY - BUMP		E. V. BSA		V. S. S. A.	
TO VALVE		CIVILIAN'S		V. S. S. A.	
DM-11-376 BY C20		SIZE		0848812	
DK-11-476 BY C20		C		0848812	
DO NOT SCALE		V			

REVISED	BY	DATE	REASON
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0848812

Power Steering Assembly, Pump to Valve, CAT 3208A

BLUE BIRD NOS.	ITEM NO.	QTY.	NAME	VENDOR & THEIR PART NUMBER	REMARKS
0829218	1	1	Mounting Brkt.	Ford #D6HZ - 3A732-A Eaton #ER - 99022	
0829226	2	1	Pump Assy., Power Steering	Eaton # ER-15641-1	Used with Remote Reservoir
085A034 (C)	3	1	V-Belt	Gates #G394	38" x 1/2 x 36"
0616672		3	Capcrew		7/16-14 NC x 1-1/2 Long, Grade 8 not shown
2001139		2	Flat Washer		7/16 not shown
2001204		3	Lock Washer		7/16 not shown
0557710		6	Rubber Hose Clamp	ARCO #1645	not shown
0540260	4	1	Hose Assy., Pressure (Pump to Gear)	Anchor #6F-8BHM900-42162 315 - 40"	6F Hose 40" O.A. with 90° Union Male Boss(3/4-16) Coupling and 3/8" Tube (5/8-18) Bent Tube(90°) Inverted Flare Coupling, Angle Offset-315°
0668434	5	1	Hose, Return (Gear to Reservoir)	Imperial Eastman B710, 5/8 I.D.	5/8 I.D. x 68" Long
0668434	6	1	Hose, Pump Supply (Reservoir to Pump)	Imperial Eastman B710, 5/8 I.D.	5/8 I.D. 50" Long
0847390 (A)	7	1	Reservoir Assy.	Purolator #6693806	One Quart Capacity
0829242 (D)	8	1	Pulley, Power Steering Pump	Ford #F19E - 3A733-C Eaton #ER-92721	4 3/4 Dia. Single Groove
	9	1	Flat Washer	Ford #353846-58 Eaton #ER-91159	11/32 I.D. x 1 O.D. x 3/16 Thick (Heat Treated) (Supplied with Pump Item 2)
	10	1	Capcrew, Hex Head	Ford #20366 - 5 Eaton #ER-91153 7/8	5/16 - 18 NC x 7/8 Long Grade 8 (Supplied with Pump Item 2)
	11	1	Lock Washer		5/16 (May be Included with Capcrew Item 10)
	12	3	Bolt P/S Pump to Brkt. Mfg.	Eaton #ER - 90916-3	3/8 - 16 NC x 2 1/2 Long, Grade 8 (Supplied with Pump Item 2)
2023539	13	1	Bushing, Pipe		3/8 FPT x 1/2 NPT
0556159	14	1	Insert, Coupling	Imperial Eastman 90 KFI10-06PS90	5/8 I.D. Hose Barbed x 3/8 NPT x 90°
2899986 (B)	15	3	Bushing, Pipe		3/8 FPT x 3/4 NPT
2008282	16	1	Street Elbow, 3/8 x 45°	Weatherhead #3350 x 6	3/8 MPT x 45° x 3/8 FWT
0556159 (E)	17	2	Insert, Coupling 90°	Imperial Eastman 90 KFI10-06PS90	5/8 I.D. Hose Barbed x 3/8 NPT x 90°
0876669 (F)	18	1	Swivel Adapter Union	Imperial Eastman 60 SB-08 x 06	3/8 FPT x 3/4 - 16 Straight Thread Male
2008514	19	4	Clamp, Hose 5/8 In.	Ideal 5210	
2899986 (B)	20	3	Capcrew, 1/2 Sq. Hd.	Weatherhead # 3151 x 8	1/2 NPT.
0846832 (A)	21	1	Scrap, P/S Reservoir Mount		Manufactured
2000107 (A)	22	1	Capcrew, Hex Head		1/4 - 20 NC x 3 1/2 Long
2008337 (A)	23	1	Nut, Hex		1/4 - 20 NC



F	0418-46	✓ FITTINGS CHANGED TO	VK		
E	046842	✓ CLEAR STEERING BEAR.	VK		
D	7A783-C	VENDOR PART UPDATED	JK	12-77	JK
C	0616656	NEW BELT ADDED	CM	12-77	JK
B		DELETE FITTINGS / PRJ. 1550	CM	11-76	JK
A	0829224	ADD NEW 1/2 RESERVOIR / PRJ. 1650	CM	11-76	JK
REV.	WAR	REVISIONS	BY	DATE	DEL.
RELEASED	0-15-76				
		BLUE BIRD BODY CO.			
		PORT VALLEY, GEORGIA, U. S. A.			
POWER STEERING ASSY.					B
PUMP TO VALVE CAT					G
					M
					V

TOLERANCE ON ALL DIMENSIONS IS, PLUS	
OR MINUS	UNLESS OTHERWISE SPECIFIED.
INACTIVATES NOS.	0617050, 0769190
REPLACES BY NOS.	

BLUE BIRD NOS	ITEM NO.	QTY.	NAME	VENDOR & THEIR PART NUMBER	REMARKS
0762468	1	1	Pump Assembly	Saginaw # 7819075	---
0764928	2	1	Pulley, Pump	Chevrolet # 2477954	---
2001242	3	1	Lock Washer, Pump Pulley	---	1/2 I.D.
2001485	4	1	Nut, Pump Pulley	---	1/2-20 N.F.
0764225	5	1	Belt, Pump Drive	Gates - 8261	---
2021756	6	1	Reservoir Assembly	Chevrolet #3823695	---
2021749	7	1	Cap, Reservoir	Chevrolet #3914958	---
0816694	8	1	Bracket, Front Pump	Chevrolet # 796968	---
0816702	9	1	Brace, Rear Pump	Chevrolet # 796967	---
2003366	10	1	Hose, Pump to Reservoir	Gates Rubber Co. # 3219-0552	34" Long
2008522	11	2	Hose Clamp, Pump to Reservoir	Ideal #5216	---
0540211	12	1	Hose Assembly, Pressure	Anchor # 6F-8BUMS090-6FZB-42"	6F Hose 42" O.A. with 90° Union Male Boss, (3/4-16) Coupling and 3/8 Tube (5/8-18) Female 45° SAE Flare Swivel Coupling
0540229	13	1	Hose Assembly, Return	Anchor #6F-8BUMS090-No End - 36"	6F Hose 36" O.A. with 90° Union Male Boss (3/4-16) Coupling, One End Only
2008498	14	1	Clamp, Return Hose	George K. Garrett Inc. #GHC55	---
0764357	15	1	Plate, Power Steering Pump Adjusting	Chevrolet # 715321	---
0839035	16	2	Washer, Flat	---	13/32 ID x 1 OD x 1/8 TK
0839027	17	1	Nut, Hex 3/8 - 16 G-5 Flange Lock	Chevrolet # 2480498	---

Power Steering Assembly, Pump to Value, Chev. 427, 427A

NOTE: Mount Reservoir to inside of Rear L.H. Corner of Hood Ledge With Top of Reservoir Being Approx. 1" Below Top of Hood Ledge.

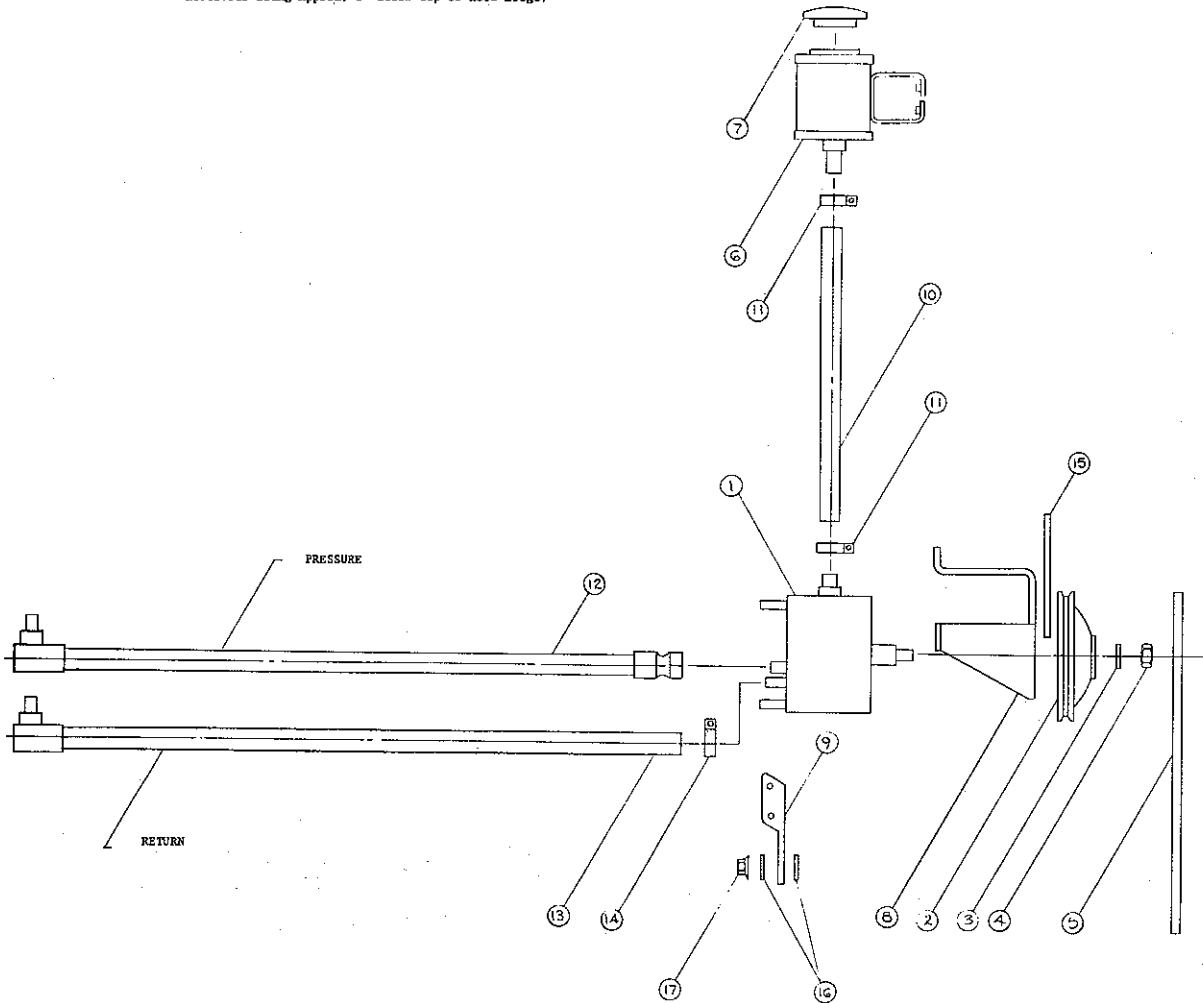
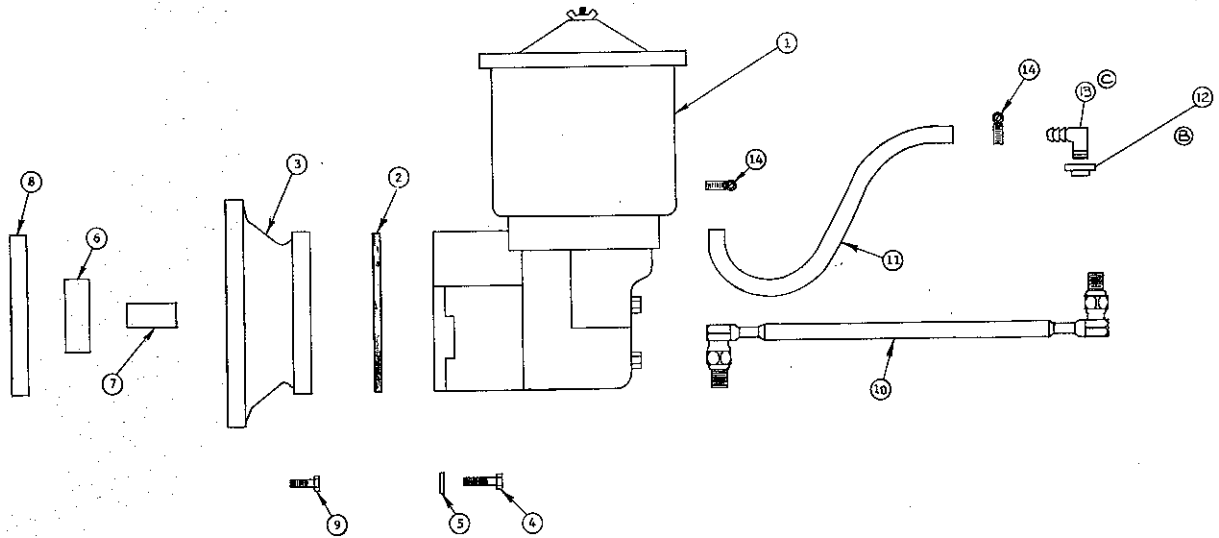


Diagram - Power Steering Assembly, Pump to Valve Detroit Diesel 6V-53, 6V-53A

BB NUMBER	ITEM	QTY.	NAME	VENDOR AND NUMBER	REMARKS
0668020	1	1	Pump, Power Steering Modified	Manufactured Part	Made from Vickers # 413743
0668277	2	1	Gasket, Hyd. Pump Power Steering 6V53	Detroit Diesel 5131396	Shipped Loose with Eng.
	3	1	Adaptor, Hyd. Pump Driv.	Detroit Diesel 5131308	Supplied w/Engine
	4	2	Bolt 3/8-16 x 1	Detroit Diesel 179839	Supplied w/Engine
	5	2	L W 3/8	Detroit Diesel 103321	Supplied w/Engine
0668392	6	1	Sprocket, Hyd. Pump Driv., Power Steering 6V53	Detroit Diesel 5131313	Supplied w/Engine
0668400	7	1	Coupling Assy., Driv., Power Steering 6V53	Detroit Diesel 5143616	Supplied w/Engine
0668418	8	1	Disc, Driv. Generator, Power Steering 6V53	Detroit Diesel 5170450	Supplied w/Engine
	9	4	Bolt 3/8 -24 x 1-2	Detroit Diesel 5145092	Supplied w/Engine
0668426	10	1	Hose Assy., Pressure, Power Steering 6V53	Anchor #6F 8 BIMS090 - 8 BIMS090 - 180 Degree 74" Rose Assy.	6F Hose 74" Da. w/90° Union Male Boss (3/4 - 16) Coupling Both Ends, Angle Offset - 180°
0668434	11	1	Hose, Return, Power Steering 6V53	Imperial B710 5/8 ID	5/8 ID Hose 120" OA
ⓑ 0876649	12	1	Swivel Adapter Union	Imperial Eastman 60SB - 08 x 06	3/8 FPT x 3/4 - 16 Straight Male Thread
Ⓐ 0556159	13	1	Insert, Coupling 90°	Imperial Eastman 90 KF10-06 PS90	5/8 I.D. Hose x 3/8 NPT x 90°
Ⓒ 2008522	14	2	Clamp, Hose 1 Inch		



REVISION	DATE	BY	SCALE
C 0413146		VK	
B 0668442		VK	
A 0556159	6/29/74	CCW	
LET	WAR	REVISIONS	BY
RESERVED	4-2-74		
BLUE BIRD BODY CO.			
FORT VALLEY, GEORGIA, U. S. A.			
POWER STEERING ASSY, PUMP TO VALVE, DETROIT DIESEL 6V-53			
TOLERANCE ON ALL DIMENSIONS IS, PLUS		OR MINUS	
UNLESS OTHERWISE SPECIFIED.			
INACTIVATED NO.		SIZE	
REPLACES BY NO.		DO NOT SCALE	
		C	0668517

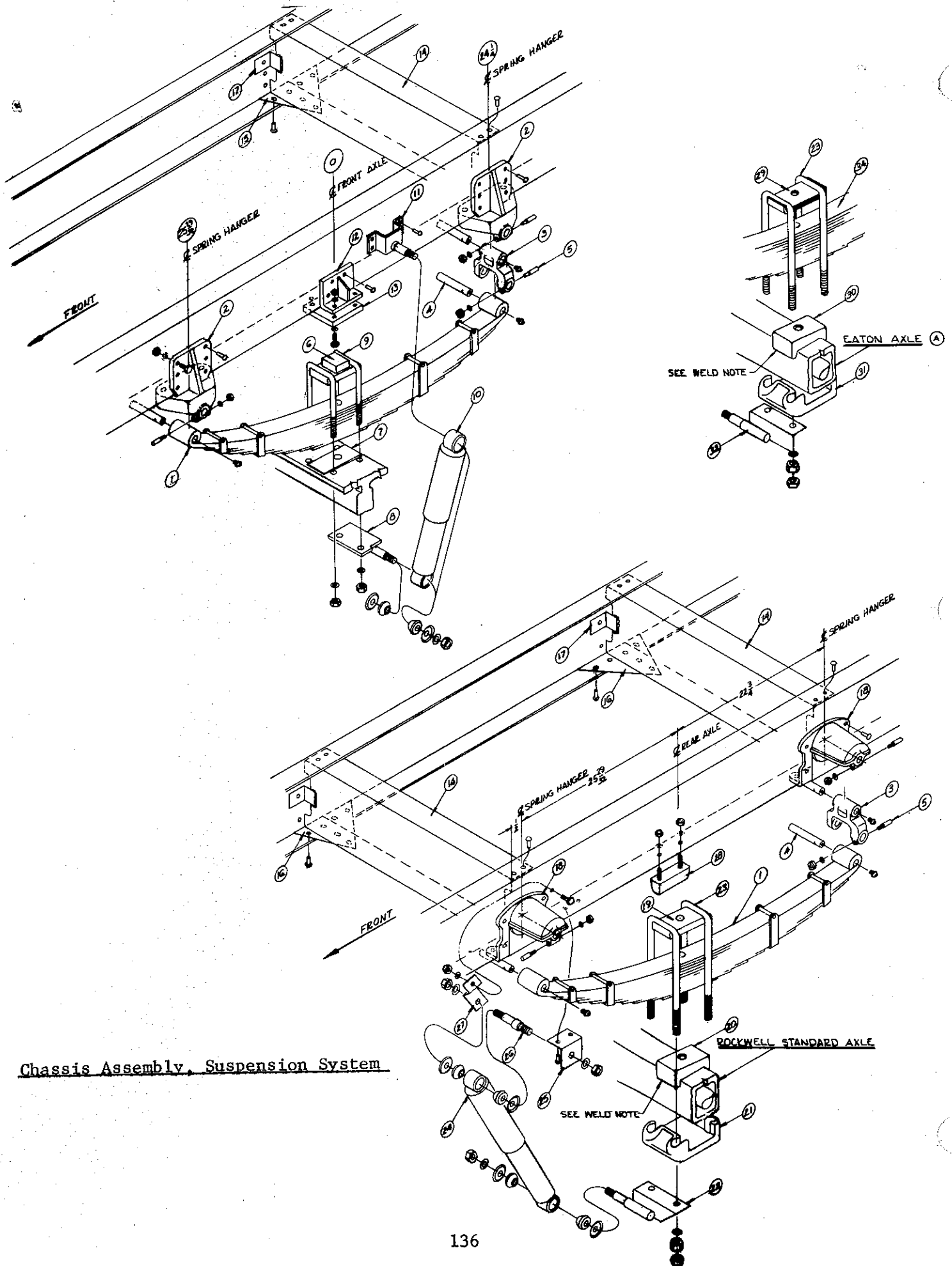
SUSPENSION

Springs used on Blue Bird Chassis are manufactured to our specifications by well known manufacturers of automotive type springs.

Gabriel Shock Absorbers are used exclusively on Blue Bird Chassis and replacement parts may be obtained locally.

Illustrations and parts list are included to aid you in ordering the correct replacement parts for your chassis.

WHEN ORDERING PARTS ALWAYS GIVE THE BODY SERIAL NUMBER, CHASSIS SERIAL NUMBER, FACTORY SERVICE NUMBER, PART NUMBER AND COMPLETE PART DESCRIPTION.



Chassis Assembly, Suspension System

SUSPENSION

QTY NO.	PART NO.	PART NAME	APPLICATION	QTY.
1	0252510 0906487	Spring, 3" 13 Leaf		AR
1	0554196 0906495	Spring, 3" 15 leaf		AR
2	0565812	Bracket, Front Spring Hanger		4
2a	2027902	Rivet 3/8 x 1 1/4		22
2b	2050581	Rivet 3/8 x 1 1/2		4
2c	2028462	Capscrew, Hex Hd. 1/2 - 20 x 1 3/4 Gd. 5		6
2d	2001212	Lockwasher 1/2		6
2e	2001485	Nut, Hex 1/2 - 20 NF		6
3	0357988	Shackle, Spring		4
4	0663856	Pin, Spring, Ford 7 EQ-5780		12
4a	2027431	Fitting, Grease 1/8 MPT Straight		12
4b	0753327	Lubricant, Multifak 2		--
5	0663849	Lock, Spring Pin Ford 81T-5782		12
5a	2028579	Lockwasher 3/8		12
5b	0377473	Nut, Hex 3/8 x 24 NF		12
6	0519595	Saddle, Front Spring		2
7	0357079	Wedge 2° Caster		2
8	0655415	Bracket Ass'y., Shock to Frt. Axle LH		1
NI	0655431	Bracket Ass'y., Shock to Frt. Axle RH		1
9	0817973	U-Bolt, Front Spring 3/4" - 16 NF x 10"		4
9a	2021913	Lockwasher 3/4 x - Heavy		8
9b	0817965	Nut, Hex 3/4 - 16 NF		8
10	0614966	Shock Absorber, Frt. Gabriel 0680054	8.76" Stroke	2
10a	0806703	Washer, Shock Mount Gab 401752		4
10b	0614982	Bushing, Rubber Gab 401754		8
10c	2021467	Washer, Retainer Gab 401750		4
10d	2001238	Lockwasher 3/4		4
10e	2028264	Nut, Hex 3/4-16NF		4
11	0597427	Bracket Ass'y., Shock, Top Frt.		2
11a	2027894	Rivet 3/8 x 1 1/8		8
12	0597526	Bracket Ass'y., Spring Bumper		2
12a	2027894	Rivet 3/8 x 1 1/8		8
13	0597559	Pad, Spring Bumper Pad		2
13a	0521385	Capscrew, Hex Hd. 3/8 - 24 HF x 2		8
13b	2028546	Flatwasher 3/8		8
13c	2028579	Lockwasher 3/8		8
13d	2028223	Nut, Hex 3/8 - 24 NF		8
14	0752980	Crossmember, Spring Bracket		3
14a	2027886	Rivet 3/8 x 1		24
14b	2027902	Rivet 3/8 x 1 1/4		6
15	0091363	Gusset, Crossmember Triangular		2
15a	2027886	Rivet 3/8 x 1		2
16	0111393	Gusset, Rear Crossmember Triangular		4
16a	2027886	Rivet 3/8 x 1		4
17	0541490	Angle, Frame to Crossmember		6
18	0360222	Bracket, Rear Spring Hanger	Rockwell STD Axle	4
18a	2027910	Rivet 7/16 x 1 1/4	Rockwell STD Axle	24
19	0828764	Saddle, Rear Spring	Rockwell STD Axle	2
20	0848234	Pad, Rear Spring	Rockwell STD Axle	2
21	0860023	Bracket, Rear Spring U.Bolt		2
22	0653535	Bracket, Ass'y. Shock to Rear Axle 8" L.H.	Rockwell STD Axle	1

SUSPENSION

KEY NO.	PART NO.	PART NAME	APPLICATION	QTY.
23	0828749	U-Bolt, Rear Spring 1"-14NF x 16 1/4"	13 Leaf Spring	
NI	0828731	U-Bolt, Rear Spring 1"-14 NF x 17"	15 Leaf Spring	4
NI	0828756	U-Bolt, Rear 1" - 14 NF x 18"	Mor-Ryde	4
23a	2021939	Flatwasher, Rear Spring U-Bolt		8
23b	2021905	Nut, Hex 1-14 NF		8
23c	2021921	Nut, Jam Hex 1-14 NF		8
24	0614974	Shock Absorber, Rear Gabriel 680010	7.51" Stroke	2
25	0611491	Bracket Ass'y., Shock to Frame		2
25a	2027894	Rivet 3/8 x 1 1/8		4
26	0806448	Stud, Shock to Frame		2
26a	2001238	Lockwasher 3/4		2
26b	2028264	Nut, Hex 3/4 - 16NF		2
27	0663724	Brace, Shock Mount		2
27a	2028447	Capscrew, Hex Hd. 1/2- 20 x 1 1/4 Gd. 5		2
27b	2001485	Lockwasher 1/2		2
27c	2001212	Nut, Hex 1/2 - 20NF		2
28	2021335	Bumper, Rubber Rear Axle		2
29	0828764	Saddle Assy. Rr. Spring	Eaton Axle	2
30	0848234	Pad Rr. Spring	Eaton Axle	2
31	0828798	Brkt. Rr. Spring U-Bolt	Eaton Axle	2
32	0192567	Brkt. Assy. Shock to Rr. Axle, 7" LH	Eaton Axle	1
33	0192542	Brkt. Assy. Shock to Rr. Axle, 7" RH		1
34	0252510	Spring, 3" w/13 Leaf		2

OPTIONAL EQUIPMENT

<u>KEY NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>
<u>Option No. 4225 Chain Clearance Kit</u>			
NI	0763532	Stud wheel lug RH Rockwell R-155 & Eaton axle	10
NI	0763524	Stud wheel lug LH Rockwell R-155 & Eaton Axle	10
NI	0898965	Spacer hub	3
<u>Option No. 4352 Quick Starting Aid</u>			
NI	0413559	Bracket quick starting aid support	1
NI	0414144	Quick starting aid elect., complete	1
NI	2005718	Loom asphaltum wire 5/16 in.	2
<u>Option No. 5352 Polished Stainless Wheel Covers</u>			
NI	* 0760900	Bracket assy. RR hub cap	2
NI	2197507	Hub cap set polished stainless steel	4
NI	2200483	Bracket weldment front hub cap attachment	2
NI	** 0760892	Bracket assy. RR hub cap	2
NI	2197507	Hub cap set polished stainless steel	4
NI	2200483	Bracket weldment fron hub cap attachmend	2

* Used w/9.00 Tires & 7.0" wheel

** Used w/10.00 tires & 7.5" wheel

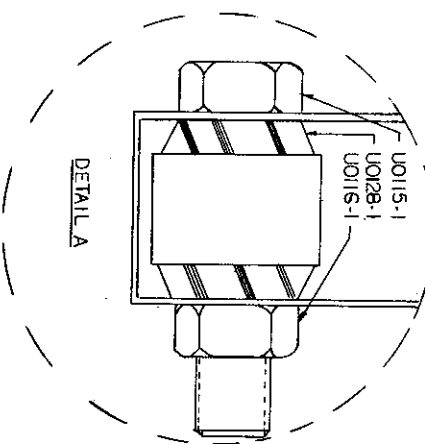
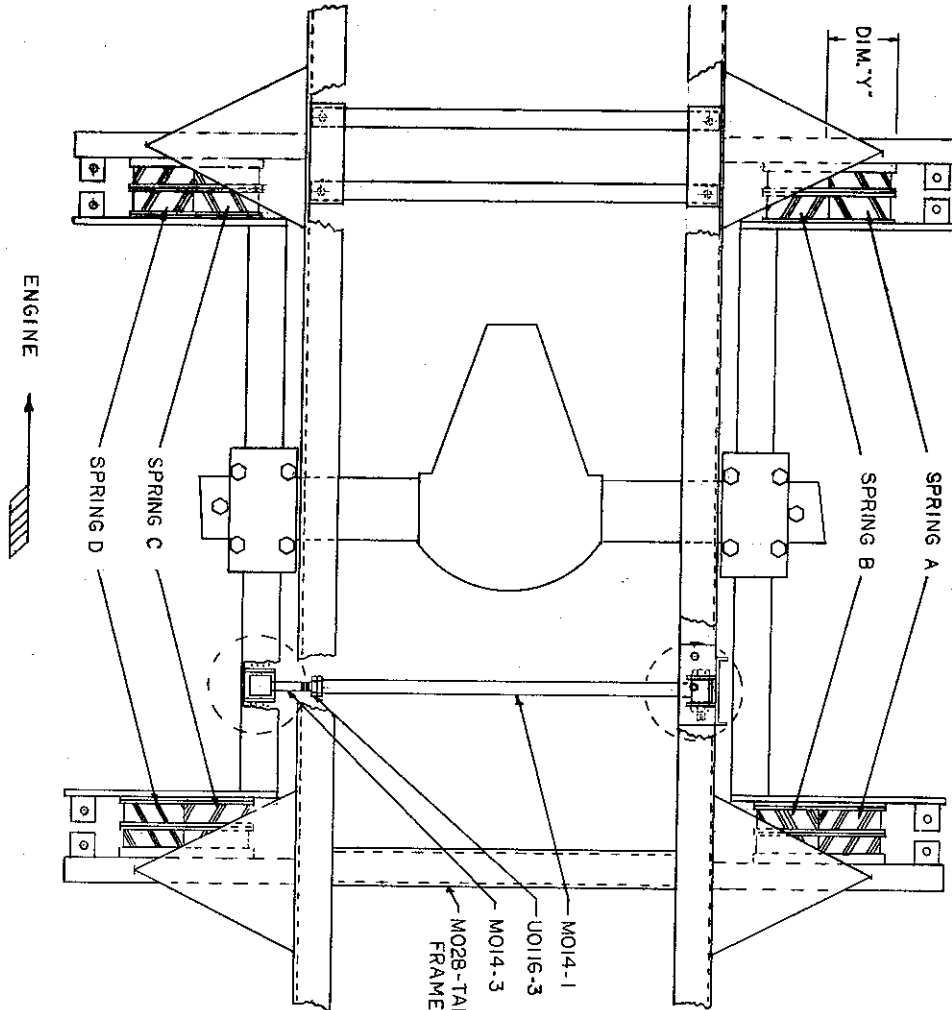
M07-05

M07-05 BLUEBIRD ALL AMERICAN BUS

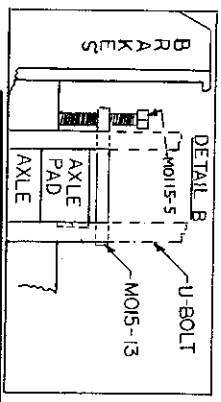
<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
MO 10 5	Beam, Axle	2
MO 11 19	Hanger, Left Front, Right Rear	2
MO 11 20	Hanger, Right Front, Left Rear	2
MO 14 1	Sway Bar (STD+ 2")	1
MO 14 3	Sway Bar Adjustment W/Nut	1
MO 15 5	Axle Pad	2
MO 15 21	Shim, Axle Pad	2
MO 25 2	Rubber Spring Ass'y.	AR
MO 25 3	Rubber Spring Ass'y.	AR
UO 109 3	Shock Absorber w/Fasteners	4
MO 113 5	U Bolt, 16.5 X 5 X 7/8	4
MO 116 1	Nut, U Bolt, 7/8	8
UO 128 1	Sway Bar Bushing	4
UO 116 2	Nut, Hex 3/8-16	52
UO 116 1	Nut, Hex 3/4-10	2
UO 115 2	Bolt, Hex 3/8-16 X 3/4	48
UO 115 1	Bolt, Hex 3/4-10 X 3 1/2	2
		2


 MOR / ryde

INCORPORATED



BOLT SIZE	TORQUE FT LBS
3/8	30
7/16	50
1/2	75
5/8	93
3/4	150
U-BOLTS	250



PASS	SPRING	MODEL
72	A	MO25 - 3
	B	MO25 - 2
	C	MO25 - 2
	D	MO25 - 3
78	A	MO25 - 3
	B	MO25 - 2
	C	MO25 - 2
	D	MO25 - 3
90	A	MO25 - 3
	B	MO25 - 3
	C	MO25 - 3
	D	MO25 - 3
96	A	MO25 - 3
	B	MO25 - 3
	C	MO25 - 3
	D	MO25 - 3

SPRING NO.	DIMENSION "Y"
MO25 - 2	5.0
MO25 - 3	6.5

SCALE		SCALE	
STAGES		STAGES	
TOLERANCES		TOLERANCES	
MATERIAL		MATERIAL	
FINISH		FINISH	
DIMENSIONS IN INCHES		DIMENSIONS IN INCHES	
DO NOT SCALE DRAWING		DO NOT SCALE DRAWING	
SYN		SYN	
DATE		DATE	
C.R. NO.		C.R. NO.	
CHANGE DESCRIPTION		CHANGE DESCRIPTION	
MORRIS/RYDE, INC.		MORRIS/RYDE, INC.	
ELKHART, INDIANA		ELKHART, INDIANA	
DRAWN		DRAWN	
C.E.D.T.R.P.D.		C.E.D.T.R.P.D.	
BY		BY	
R.G.W.		R.G.W.	
DATE		DATE	
3-28-74		3-28-74	

SERVICING & MAINTENANCE

This section contains instructions, charts and guides to provide the necessary information for servicing and general maintenance.

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PREVENTIVE MAINTENANCE

The success of an operator, safe operation, and life of this equipment depend upon regular preventive maintenance. Prior to operating any mechanical equipment, a thorough inspection of all parts should be made. The following suggestions are offered to extend the useful life of your bus and provide for safe operation.

D A I L Y C H E C K

Check for tampering.

Check brake system for operation.

Check ammeter to assure alternator is charging.

Check lighting system.

Check tools, equipment, and safety apparatus.

Check tires for proper inflation and possible damage.

Check all lines for leakage.

Check oil level and water.

Check all wheel and rim nuts.

1,000 and 2,000 MILE CHECK

Check lubrication as per lubrication guide.

Tighten all body tie-down bolts.

Check clutch pedal and adjust if necessary; for adjustment instructions see Page 140 & 141.

Inspect tires for uneven wear.

Check travel on brakes and adjust if necessary; for adjustment instructions see Page 138.

Inspect all hose and tube lines.

Torque lock spring pin to 35 ft. lbs., front and rear

Torque spring "U" bolts to 200 ft. lbs. front, and 350 ft. lbs. rear.



**THE NEW BLUE BIRD
ALL AMERICAN
and
ALL CANADIAN**

LUBRICATION GUIDE

BLUE BIRD BODY COMPANY

Fort Valley, Georgia, U.S.A.

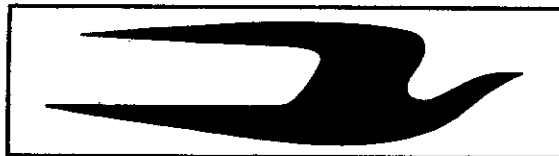
Brantford, Ontario, Canada

Mt. Pleasant, Iowa, U.S.A.

Guatemala, City, Guatemala

Buena Vista, Virginia, U.S.A.

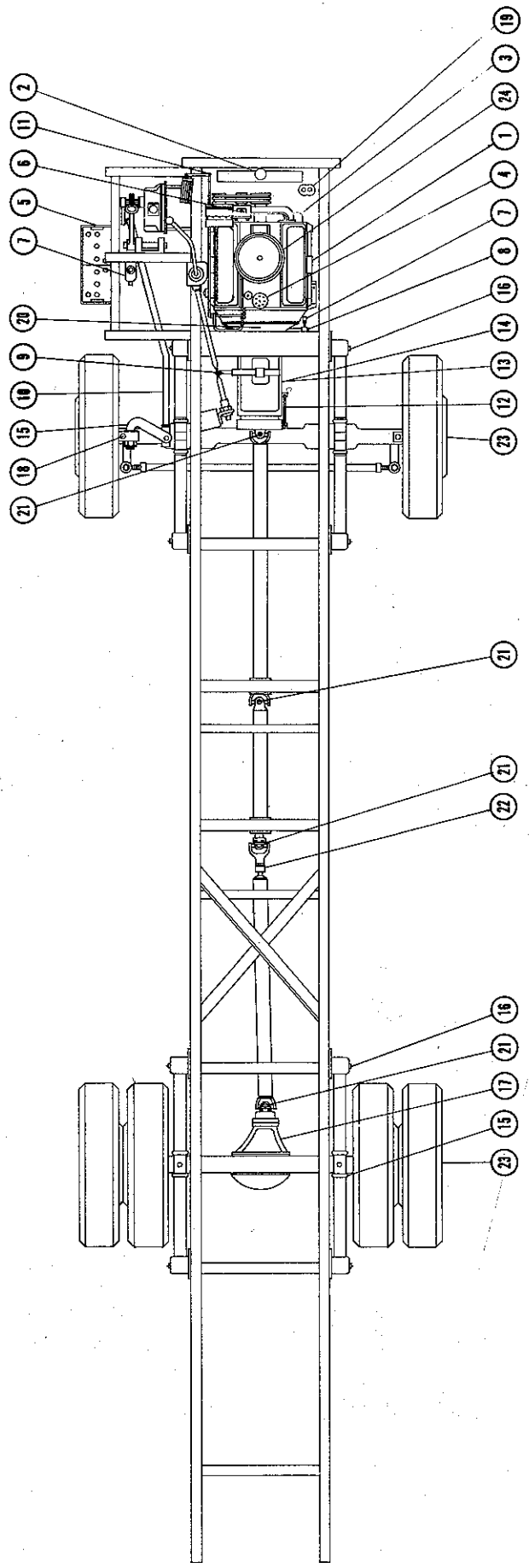
Ville des Laurentides, Québec, Canada



Your CHILDREN'S SAFETY Is Our Business®

LUBRICATION GUIDE

FOR THE NEW BLUE BIRD CHASSIS



SERVICE PERIOD	ITEM NO.	ITEM	GENERAL INSTRUCTIONS	RECOMMENDED LUBRICANT
Daily	1	Engine	Check Level	Follow engine manufacturer's recommendations or refer to Engine Manual* Gasoline Engines API-SE; Diesel Engines API-CD
	2	Radiator Coolant	Check Level	
500 to 1,000 miles	3	Engine Oil Filter		Follow engine manufacturer's recommendation or refer to Engine Manual*
	4	Distributor	Fill oil cup with engine oil when applicable	Engine oil
	5	Battery	Add distilled water to 3/8" above plates. Coat terminals w/lubricant	
	6	Hydraulic Power Steering Pump	Check Level	Dexron (R)
	7	Clutch Master Cylinder	Fill to 1/4" from top	Brake fluid HD DOT3
	8	Clutch Release Fork Shaft (when applicable)	2 - Fittings, Lubricate sparingly	NLGI Grade #2 EP Type Lithium Base NLGI Grade #2 EP Type Lithium Base
	9	Remote Gearshift Control	4 - Fittings	NLGI Grade #2 EP Type Lithium Base Engine oil
	10	Steering Linkage	5 - Fittings	Engine oil
	11	Accelerator Control		Engine oil
	12	Emergency Brake Linkage		Refer to Spicer Transmission Service Manual*
	13	Manual Transmission	Refer to Spicer Transmission Service Manual*	Dexron (R) or Dexron (R)11
	14	Automatic Transmission	Refer to Allison Automatic Transmission Driver's Handbook*	

SERVICE PERIOD	ITEM NO	ITEM	GENERAL INSTRUCTIONS	RECOMMENDED LUBRICANT
500 to 1,000 miles (cont'd)	15	Brake Camshaft & Slack Adjustors	8 - Fittings	NLGI Grade #2 EP Type Lithium Base
	16	Spring Pins	12 - Fittings	NLGI Grade #2 EP Type Lithium Base
	17	Rear Axle (Rockwell Standard) Rear Axle w/oil lubricated bearings (Eaton)	Refer to Rockwell Standard Field Maintenance Manual* or Eaton Truck Axle Service Manual*	Refer to Rockwell Standard Field Maintenance Manual* or Eaton Truck Axle Service Manual*
3,000 to 5,000 miles	18	Knuckle Pins	4 - Fittings	NLGI Grade #2 EP Type Lithium Base
	19	Shutterstat (Air)	1 Ounce Shutter fluid every 3,000 miles or whenever chassis is lubricated	Kysor Shutter Fluid
	20	Clutch Release Bearing	1 - Fitting (when applicable) lubricate sparingly	NLGI Grade #2 EP Type Lithium Base
	21	Propellor Shaft Universal Joints	1 - Fitting each joint, use low pressure	NLGI Grade #2 EP Type Lithium Base
	22	Propellor Shaft Slip Joint	1 - Fitting, use low pressure	NLGI Grade #2 EP Type Lithium Base
	NI	Air Compressor Intake Strainer	Clean or Replace, saturate with oil and squeeze dry	Engine oil
10,000 to 15,000 miles	23	Front Axle Wheel Bearing Rear Axle Grease Lubricate Wheel Bearing (Rockwell Std)	Refer to Rockwell Standard Field Maintenance Manual*	Refer to Rockwell Standard Field Maintenance Manual*
	24	Engine Air Cleaner	Replace as required	
	NI	Fuel Filter(s)	Replace as required	

* Manuals Supplied with New Vehicle

Shutters and Controls

FOR A MAXIMUM TROUBLE-FREE LIFE OF YOUR
KYSOR SHUTTER AND CONTROLS, WE
RECOMMEND THE FOLLOWING
MAINTENANCE PROCEDURE.

(When Used in System)

1. Keep all moving parts free and clean.
2. Lubricate all angle bearings and control bar every 20,000 miles. Use No. 10 oil. In extremely dusty areas run shutter dry.
3. Adjust cylinder linkage yearly to take up lost motion to seal. Insert piece of match folder between vanes. If there is a drag on match folder as it is removed adjustment is correct. If not, apply air to operating cylinder with cylinder piston rod fully extended. Adjust linkage for proper seal. Impact air plus fan suction will produce a hurricane of air passing thru a small opening if shutter is not properly sealed. CAUTION: Make sure there is no travel left in the piston cylinder rod when the vanes are tightly closed. This will eliminate any possible damage to the shutter due to excessive piston stroke.
4. Vane seal should be replaced when it becomes so worn it no longer furnishes a good seal. Order part No. B-16302. For heavy duty shutters order 1/4" x 1" felt. Part No. B-15095. Cut seal 1/8" shorter than vane. Any protrusion of vane seal beyond vane could cause a binding action between vane and angles, not allowing shutter to fully close.
5. The normal installation of the shutter is over the entire radiator. To enable the shutter to properly control the engine temperature, seal off all openings that allow air to pass through the radiator without first passing thru the shutter.
6. Vane travel should be free of interference. Do not allow shutter vanes to strike any part of vehicle.
7. Anti-rattle wire on air controlled shutters — periodically check wire. Loose or broken antirattle wires allow excessive wear of vane rods and bushings due to vehicle vibration. Replace immediately; order part No. B-6322-44.
8. In winter operation, where highway salt conditions exist, keep all moving parts of shutter protected with a coating of oil including vane seals.

before adding SHUTTERSTAT* fluid, open filter draincock, located on bottom of filter, to blow out accumulated condensation. Replace filter felts once a year. Order B-9646 service kit. Refer to Bulletin 532.

- C-5500 - Air operated SHUTTERSTAT* — Add one ounce of SHUTTERSTAT* fluid to filter every 15,000 to 20,000 miles. SHUTTERSTAT* fluid removes varnish and carbon from needle deposited by compressed air. Check periodically to see that needle is seating properly and stat is not leaking air by testing for air leakage.
- D-16000 - Air operated SHUTTERSTAT* — During preventive maintenance check remove SHUTTERSTAT* end cap. Inspect air filter, clean or replace if necessary. Use new end cap gasket.
- C-5400 - Vacuum operated SHUTTERSTAT* — Clean breather felt located under brass jacket every 20,000 miles if operated under dust conditions.
- C-4771 - Hydraulic SHUTTERSTAT* — Not field repairable. Please return to Kysor of Cadillac, Cadillac, Michigan for repair or replacement.
- MODULATING Vernatherm Control - Inspect vernatherm annually for correct setting. To adjust see Parts & Service Catalog, or Bulletin 546.
- D-24000 - No maintenance required.

Air operated cylinders - check cylinder periodically for wear. Be sure air is applied to cylinder. A worn cylinder will cause air to pass thru the SHUTTERSTAT*. A perfunctory check would indicate stat leaks. Always check cylinder for air leak before removing SHUTTERSTAT*. Repair kit available. see parts and service catalog.

Vacuum cylinders D-11905 or D-12343 - if shutter does not operate, check cylinders for fractured diaphragm. Repair kits including rubber diaphragm are available at your dealers, part No. B-12779. Erratic action of vacuum controlled shutters will indicate lack of vacuum reserve. To correct install C-1786 vacuum tank.

Hydraulic cylinders - See your dealer for seals and cups if leak develops.

Shutter Control Cylinders and SHUTTERSTATS* are available on a repair exchange program through all dealers.

Spicer® Universal Joint LUBE SPECS

Don't Neglect Spicer Drive Shaft Lubrication!

Lack of adequate or proper lubrication is among the most common causes of U-Joint and drive shaft failure!

Proper servicing of the drive shaft is an essential part of vehicle maintenance and should not be overlooked in routine shop procedure.

Universal Joints

In the Vehicle or Application

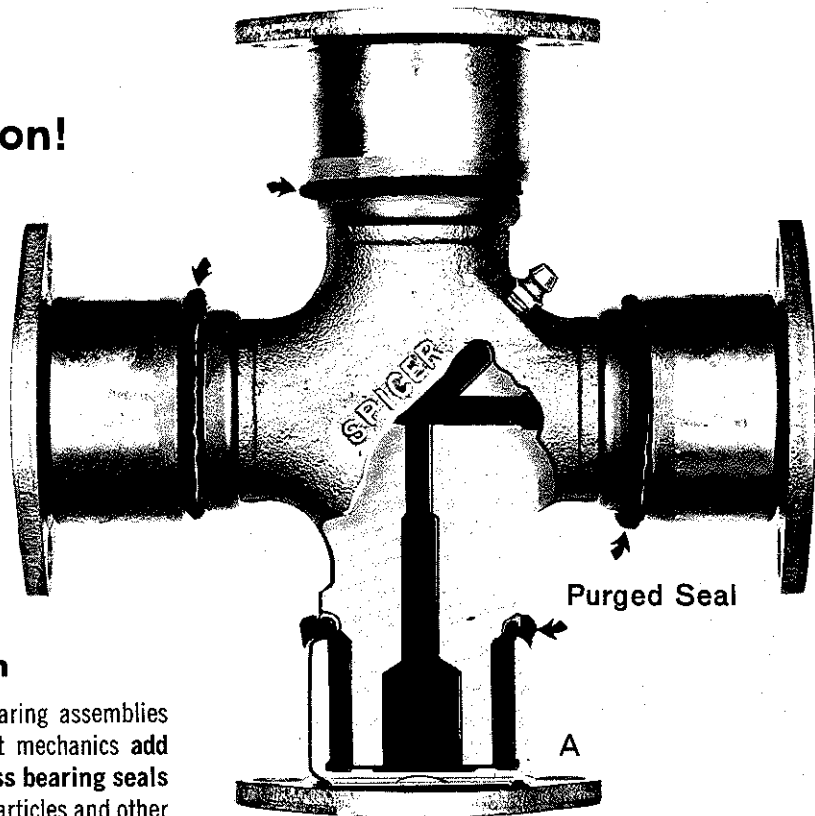
To insure proper lubrication of all four bearing assemblies on Spicer universal joints, it is essential that mechanics **add lubricant until it appears at all journal cross bearing seals** (Illustration A). This assures removal of dirt particles and other contaminants that may find their way into the bearings and indicates to the mechanic that the bearings are fully lubricated.

Do not assume that bearing cavities have been filled with new lubricant unless flow is noticed around **all four bearing seals!**

Spicer journal cross seals are designed to relieve. However, if all the seals do not "pop" when being lubed, move the drive shaft laterally in all four directions and pull or push on the drive shaft in the direction opposite to the journal cross seal not relieving while lube gun pressure is being applied to the alemite fitting. An increase in line pressure may also be necessary.

Drive Shaft Assembly

Spicer factory assembled drive shafts are lubricated at the plant prior to shipment. However, shipping, handling and installation of the drive shaft assembly into the vehicle usually results in some loss of lube. Therefore, it is recommended that all universal joints be relubricated after installation of the drive shaft prior to putting vehicle in service.



Journal and Bearing Kits

Spicer replacement universal joint kits contain only enough grease to provide needle bearing protection during storage. It is therefore necessary to completely lubricate each replacement kit prior to assembly into the drive shaft yokes. Each journal cross lube reservoir should be fully packed with a recommended grease and each bearing assembly should also be wiped with the same grease; filling all the cavities between the rollers and applying a liberal grease coating on the bottom of each race. After the kits are installed into the driveshaft yokes and prior to placing into service, they should be relubed, through the zerks, using the same grease.

Lubricants

For driveshaft applications involving shaft speeds over 500 RPM, a high quality extreme pressure (EP) grease recommended by lubricant manufacturers for universal joints should be used. Lithium soap base greases meeting *NLGI Grade 1 and

Grade 2 specifications are preferred. The use of greases that tend to separate and cake should be avoided.

For driveshaft applications involving shaft speeds below 500 RPM, a mineral oil in the SAE 140 to SAE 250 viscosity range should be used.

* National Lubricating Grease Institute

Relube Cycles

Relubrication cycles for drive shaft universal joints and slip splines will vary with service requirements and operating conditions. The following re-lubrication schedule has been used successfully.

OPERATING CONDITION	RE-LUBE CYCLE	
	Miles	Hours
Normal	6000-8000	150-200
*Severe	2000-3000	50-75

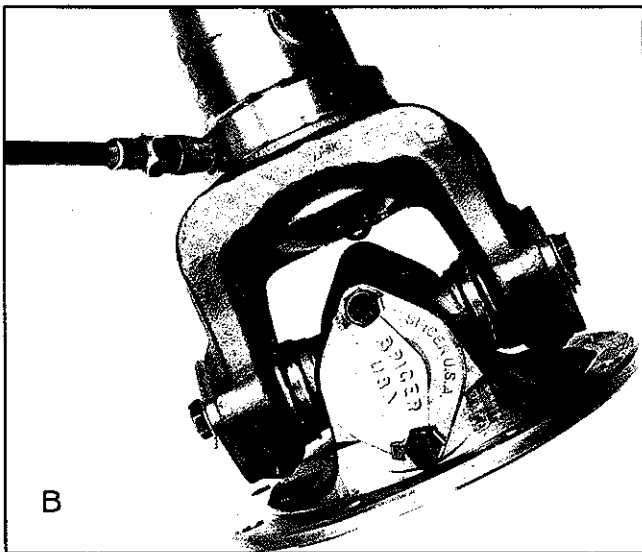
* For applications where conditions such as high speeds, high ambient temperatures or high angles are present.

Sliding Spline Sections

Lubricants

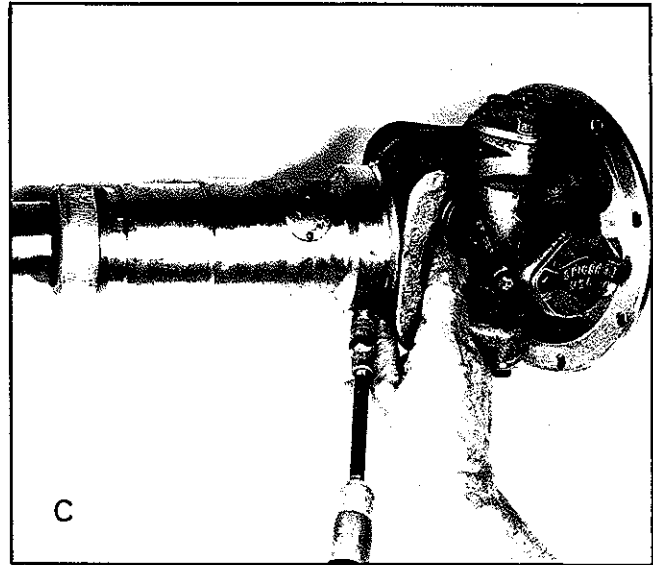
Steel Splines: Driveshaft steel splines should be lubricated with a good extreme pressure grease as recommended by lubricant manufacturers. Extreme pressure grease satisfying NLGI Grade 1 has been adopted as the standard by our factories.

Glidecote™ Splines: Any high grade multi-purpose grease can be used. Greases recommended by lubricant manufacturers for universal joints have been found satisfactory for Glidecote splines.



Relube spline at the intervals prescribed above. Apply grease gun pressure to lubrication zerk until lubricant appears at pressure relief hole in Welch plug at sleeve yoke end of spline. (Illustration B). At this point, cover pressure relief

hole with finger and continue to apply pressure until grease appears at sleeve yoke seal. (Illustration C). This will insure complete lubrication of spline.



Center Bearings

Initial lubrication is done by the bearing manufacturers. No attempt is made to add or change grease within the commercial bearing itself. However, when servicing a driveshaft in the field with a new center bearing, it is necessary to fill the entire cavity around the bearing with waterproof grease to shield the bearing from water and contaminants. The quantity should be sufficient to fill the cavity to the extreme edge of the slinger surrounding the bearing.

Lubricants used must be waterproof. Consult your grease supplier for recommendation.



**SPICER UNIVERSAL JOINT
DIVISION**

TOLEDO, OHIO 43696

FRONT AXLE WHEEL ALIGNMENT AND BALANCE, FORWARD CONTROL CHASSIS

For correct front wheel alignment the front wheel will fall within the following limits:

	<u>Caster</u>		<u>Camber</u>		<u>Toe In</u>
			R.H.	L.H.	
Standard Tire AA	1° to 2°	Pos.	0 to 1/4°	0°	1/16" + 1/16"
Radial Tires AA	1° to 2°	Pos.	0 to 1/4°	0°	0
Radial Tires W/L	5° to 6°	Pos.	0 to 1/4°	0°	0

Caster: The axle caster is obtained by the use of a caster wedge installed between the top of the axle pad and bottom of spring (no adjustment necessary).

Camber: The axle camber is preset by Rockwell Standard (no adjustment necessary).

Toe In: The front axle and toe in is set in the following steps:

1. With the front wheels and tires mounted on hubs, jack up one front wheel, scribe a line at approximate center line of tire tread by holding toe in bar pointer to the tire tread and rotating wheel.
2. Repeat same on opposite wheel.
3. Lower both wheels on floor.
4. Position toe in bar parallel to axle forward of wheels.
5. Adjust the bar pointer to the scribed lines on the tire treads, (record reading).
6. Repeat same at rear of tire (Record reading).

Standard Tires:

The rear reading can equal or be up to 1/8" greater than front reading.

Radial Tires:

The reading taken at rear and reading taken at front must be the same.

If these limits are exceeded, adjust in the following manner:

7. Loosen clamp bolts at extreme ends of the tread.
To increase toe in rotate top of tie rod toward rear of chassis.
To decrease toe in rotate top of tie rod toward front of chassis.

8. Retighten bolts in tie rod clamps.

Wheel Balance: Front wheels should be balanced to within 2 oz. at approximately 55 - 60 mph. To determine wheel speed check with Stewart Warner 757 W Held at center of wheel hub.

450 R.P.M. = 55 M.P.H.

504 R.P.M. = 60 M.P.H.

For balancing instructions, see Operator's manual with machine.

FMVSS 121 - DUAL AIR BRAKE SYSTEM INFORMATION

The Dual Air Brake System has two separate air systems, each one having its own reservoir protected by check valves, that operates the service brake during normal operation. However, if one reservoir or system fails, the other system and/or the Spring Brake accomplishes the braking effort, i.e.;

1. One system serves only the rear service brake chambers.
2. One system serves the front service brake chambers and the rear spring brakes.

A third air application system serves the spring cavity of the spring brakes through the parking valve, spring brake control valve, and R-8 relay valve.

It will be noted, from the included diagram #0819219, that the FMVSS 121 Dual System encompasses the use of two air pressure gauges (one for the rear brake system and one for the front brake system) and other pneumatic component not previously required. Description and functions of these parts are (refer to diagram #0819219, page 51, for item numbers):

1. Dual Brake Valve E-6 (item 5): This valve has two separate supply and delivery circuits.
 - a. The top circuit serves the rear service brake chambers through an R-8 Relay Valve (item 101).
 - b. The bottom circuit serves the front service brake chambers through an R-8 Relay Valve (item 17).
2. Spring Brake Control Valve (item 12): This valve modulates spring brake actuator application, through an R-8 Relay Valve, should a failure occur in the rear service brake system.
3. R-8 Relay Valve (item 17) Spring Brakes: This valve functions as a relay station to speed up the application and release of the Spring Brakes when modulated spring brake action is required (failure in the rear service brake system). During normal operations full reservoir pressure is delivered to the spring brake section of the spring brakes holding them in the "off" position.
4. Double Check Valve (item 11): This valve is used to direct the flow of air pressure from either one or both of the service brake systems to the spring cavities of the Spring Brakes.
5. R-8 Relay Valve (item 17 Front Brake): This valve functions as a relay station to speed up the application and release of the front service brakes.
6. R-8 Relay Valve (item 101 Rear Brake): This valve functions as a relay station to speed up the application and release of the rear service brake.

The following briefly describes the operating modes of the Dual Air Brake system.

1. System Charged: This is the "over the road" condition of the brake system.

Both service reservoirs are fully charged and supply their respective axle modulators.

NOTE: Both circuits supply the spring brake circuit, through double check valve (item 11), thereby supplying reservoir pressure to the spring sections of the spring brakes.

2. Service Application:

When the brake pedal is depressed, the "E-6 Brake Valve" delivers a controlled air signal from the top circuit to the "R-8 Relay Valve" (Rear Service Brakes), and from the bottom circuit to the "R-8 Relay Valve" (Front Service Brakes). These two valves respond by supplying controlled air pressure to the service brake chambers of the rear spring brake actuators and to the service brake chambers of the front brakes.

The front service brake circuit signal is also sent to the "Spring Brake Control Valve" (item 12), but as long as adequate supply pressure exists in the rear service brake circuit no response is made in the spring brake signal (Spring Brakes remain in full "off" position).

Release of the brake pedal will exhaust all service brake application air through the "R-8 Relay Valve" (front service brakes) and the "R-8 Relay Valve" (rear service brakes).

Full reservoir pressure remains applied to the spring brakes holding them in the fully "off" position.

3. Parking Application:

The parking brakes (spring brakes) are applied by pulling out the parking control knob (PP-1 Control Valve, item 16). This will exhaust the spring brake relay valve (R-8 Relay Valve, item 17) control air line.

The "R-8 Relay Valve" in turn exhausts the air pressure from the spring cavities of the "Spring Brakes" thereby allowing the spring pressure to apply the rear brakes.

A release of the "Spring Brakes" is accomplished by pushing in the parking control knob of the "PP-1 Valve" (item 16).

Air is then taken from the service brake supply system through the "Double Check Valve" and "Spring Brake Control Valve" to the "R-8 Relay Valve" which restores full reservoir pressure to the spring cavities of the Spring Brakes forcing them into a full release position.

The PP-1 Control Valve may also be used for emergency braking in the event of mechanical failure of the Treadle Assembly (item 6). However, it must be noted that this would result in an abrupt stop (rear brakes locked) as all air would be exhausted from the spring cavities of the Spring Brakes. Spring Brakes would be fully applied with no braking action on the front brakes.

4. Rear Brake System Failure:

The emergency brakes (Spring Brakes) are the brakes remaining on the vehicle after any single failure anywhere in the service brake system.

Loss of rear service brake system air pressure will produce a "low pressure" warning (buzzer and warning light).

A service brake application makes the "Spring Brake Control Valve" (item 12) responsive to the front service brake air pressure signal. The "Spring Brake Control Valve" will respond to this signal by allowing the air trapped in the spring cavities of the spring brakes to exhaust through the R-8 Relay Valve (item 17) in the same proportion as the amount of air pressure delivered to the front service brakes.

The front brakes are applied as normally, actuated by the front service brake air system.

This affords the driver modulated braking and the "feel" of a normal service brake stop.

Releasing the brake valve treadle permits the spring cavities to recharge (from air pressure in the front brake system) and retract the "Spring Brakes" to the full "off" position.

NOTE: With the front brake system "Service Reservoir" fully charged, sufficient air pressure is available to accomplish 4 full releases of the Spring Brake. Therefore, vehicle must be moved to a safe position immediately and condition corrected.

5. Front Brake System Failure:

Loss of front brake system air pressure will fail the front brakes only.

The rear service brakes can be applied normally as an intact system.

6. Complete Pneumatic Failure:

A complete failure of the pneumatic system will result in an automatic application of the "Spring Brakes".

This condition would occur when air pressure in both front and rear service brake systems was reduced to 40 PSI or lower and/or if failure occurred in the spring brake air circuit which would prevent adequate air pressure being retained in the spring brake cavities to hold the spring brakes in the full release position.

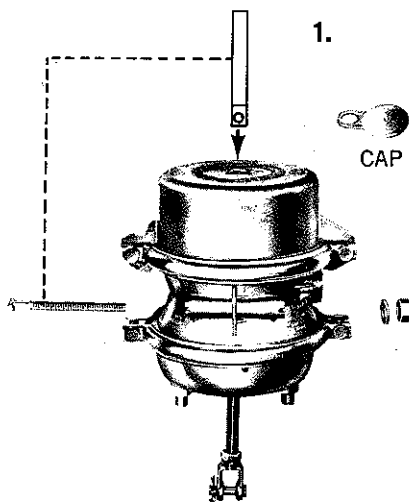
The Dual Air Brake System, with Spring Brakes, is designed to provide normal service braking and safe emergency braking.

Failure of either the front or rear service brake systems requires vehicle be removed from service immediately until condition has been corrected.

BRAKE ADJUSTMENT

Check travel on brakes and adjust if necessary; adjust slack adjusters so that chamber push rod travel is as short as possible, 1-1/4" maximum without brake shoes dragging with brakes released. Adjust yoke on chamber push rod so that the angle between the push rod and the slack adjuster is 90° with the brakes applied.

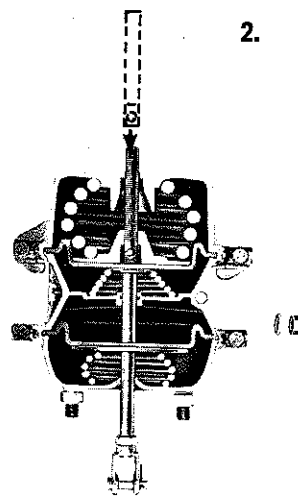
Instructions for Mechanical Release and Diaphragm Replacement of Anchorlock Spring Brakes



1.

CAP

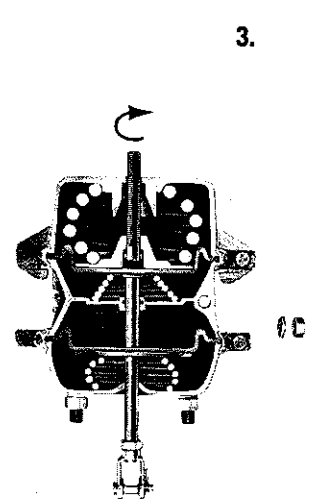
Remove the cap from spring chamber. Remove release stud assembly from side pocket by removing the release nut and washer from the release stud and sliding out the release stud.



2.

(C)

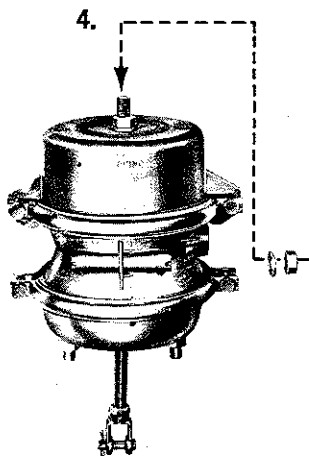
Insert release stud through opening (where cap was removed) in the spring chamber and insert into pressure plate.



3.

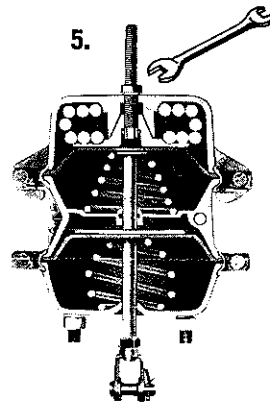
(C)

Turn release stud $\frac{1}{4}$ turn (clockwise) in pressure plate to secure cross pin into cross pin area of pressure plate and lock into manual release position.



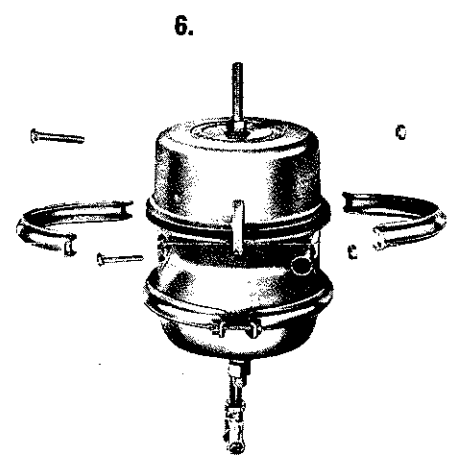
4.

Assemble release stud washer and nut onto release stud.



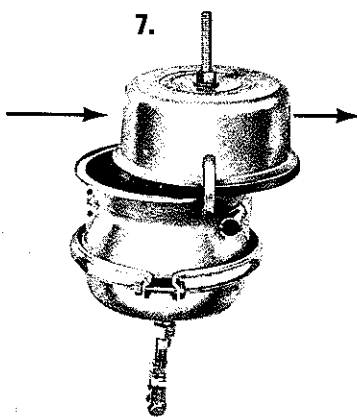
5.

Turn release stud assembly nut with wrench until compression spring is fully caged. While doing so, check visually to make certain the push rod (adapter push rod or service push rod) is retracting while tightening the release stud assembly nut. Do not over-torque release stud assembly (S-Cam Type Maximum 50 lbs. Wedge Type Maximum 30 lbs.). THE SPRING BRAKE NOW HAS BEEN MECHANICALLY RELEASED.



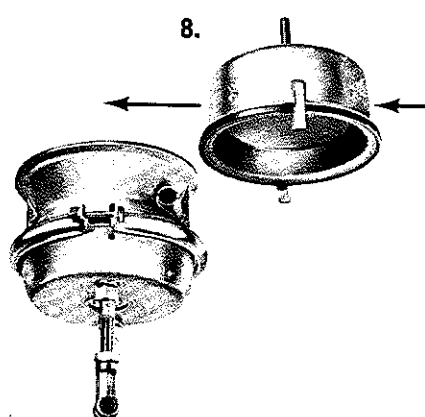
6.

To replace spring brake diaphragm, remove spring brake clamp (The top clamp).



7.

Remove chamber assembly and diaphragm by sliding chamber off adapter.



8.

Discard old diaphragm from chamber and replace with new diaphragm. NOTE: For ease of assembly, FIRST place diaphragm in chamber before sliding chamber back on adapter.

FOR SERVICE BRAKE DISASSEMBLY

A. Steps 1 through 5 above should be performed to cage the compression spring. Then the service brake clamp at the bottom can be removed and the diaphragm replaced . . . or

B. The compression spring can be caged by applying air with the dash control valve. The service brake clamp at the bottom then can be removed and the diaphragm can be replaced.

C. Reverse the procedure to reassemble the unit.



2910 East Ana Street, Compton, California 90221
Phone: (213) 774-5060 TWX910-346-7047

Hydraulic clutch controls & Adjustment For Manual Transmissions

The system utilizes hydraulic pressure as a means of transmitting clutch pedal movement to the clutch release mechanism. It consists of a pedal operated master cylinder and a slave cylinder, interconnected with hydraulic lines. The clutch pedal is connected to the master cylinder push rod and the slave cylinder push rod is connected to the clutch release lever.

When the clutch pedal is depressed, fluid is forced from the master cylinder into the slave cylinder. The slave cylinder push rod is forced against and moves the clutch release lever which pivots and forces the release bearing against the pressure plate release fingers.

When the clutch pedal is released, the master cylinder return spring and the release lever retracting spring forces the fluid from the slave cylinder back to the master cylinder.

The fluid used in the system is the same as used in hydraulic brake systems. A bleed valve is installed on the slave cylinder and the procedure for bleeding is the same as for hydraulic brakes. The fluid level in the master cylinder should be maintained 1/2 inch below the top of the reservoir.

Two adjustments are required, to obtain proper clutch operations, on hydraulic clutch controls;

1. Master cylinder push rod.
2. Slave cylinder push rod.

Prior to making any adjustments, be sure that the system is free of air and that the master cylinder fluid is at the specified level.

The purpose of the master cylinder push rod adjustment is to insure the piston is resting against the piston stop when clutch is engaged.

Adjust master cylinder push rod for "0 to 1/8 inch" free pedal travel when the piston is in the fully returned position and the clutch pedal is in its normal at rest position.

If the push rod is adjusted too long (no free travel), the piston may never return far enough to clear the compensating port in the cylinder. This seals the hydraulic line and the result is the same as riding the clutch all the time (excessive clutch wear).

If the push rod is adjusted too short (excessive free travel) the pedal must be depressed too far before clutch disengages and can result in rough shifting of the transmission and excessive clutch wear.

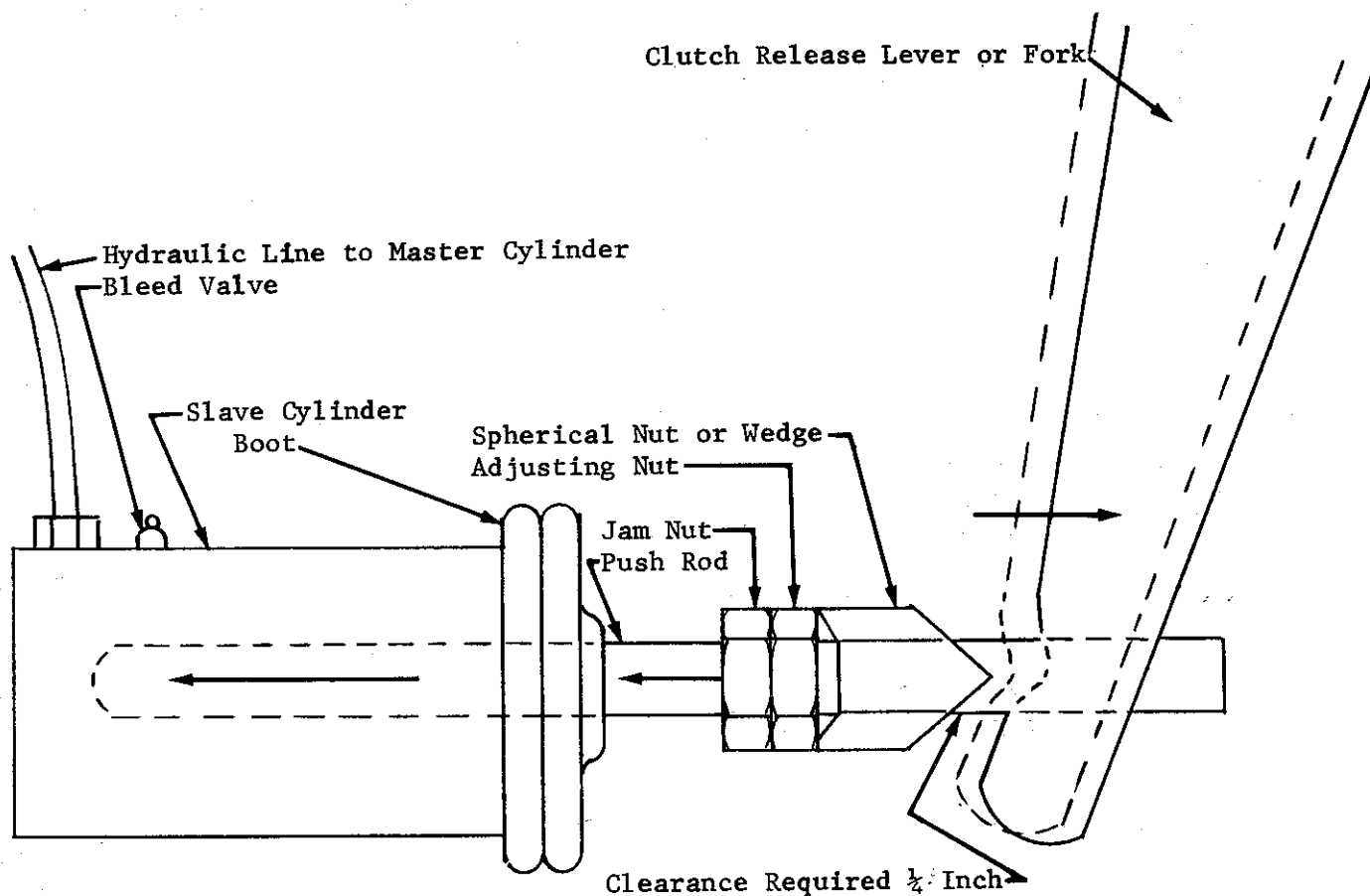
The purpose of the slave cylinder push rod adjustment is to provide adequate travel of the clutch release bearing to insure;

1. Complete clutch disengagement when the clutch pedal is fully depressed.
2. Complete clutch engagement and clutch release bearing clearance when the clutch pedal is fully released.

Diagram No. 1 illustrates the adjustment procedures for the type of adjusting mechanism used with slave cylinders installed on Forward Control Coaches.

SLAVE CYLINDER PUSH ROD ADJUSTMENT

Diagram No. 1



1. Disconnect Clutch Release Lever/Fork Retracting Spring (omitted on diagram).
2. Bottom Slave Cylinder Push Rod in direction indicated by arrow.
3. Pull Clutch Release Lever/Fork in direction indicated by arrow until clutch Release Bearing just contacts pressure plate release levers.
4. Measure distance between bottom of V-Slot in Clutch Release Lever/Fork and pointed tip of Spherical Nut/Wedge. Clearance should measure $\frac{1}{4}$ inch.
5. Clearance can be increased or decreased by using adjusting nut and wedge or Spherical (threaded) nut.
6. Free Pedal travel should be approximately 1 inch.

NOTE: Some installations use the Jam Nut, adjusting Nut, and wedge as illustrated above. Other installations will include only the Jam Nut and Spherical (threaded) Nut.

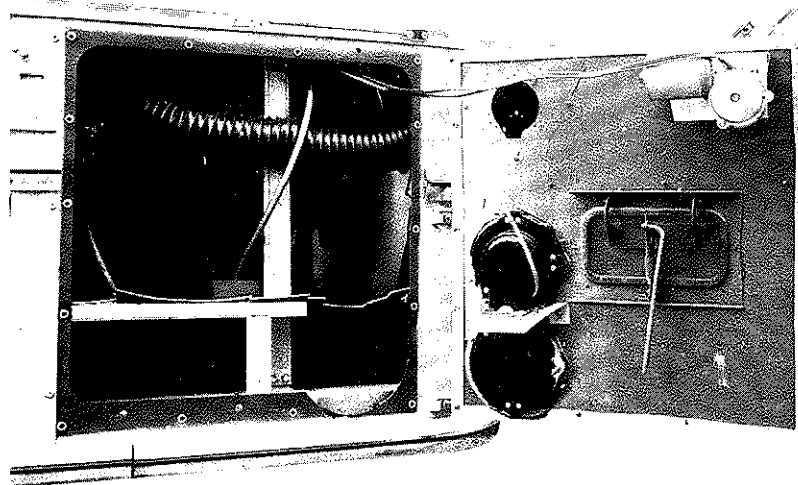
ACCESS DOOR REMOVAL

FRONT ACCESS DOORS

FORWARD CONTROL

ACCESS TO FRONT SIDE OF INSTRUMENT PANEL AND UNDER TOEBOARD AREA

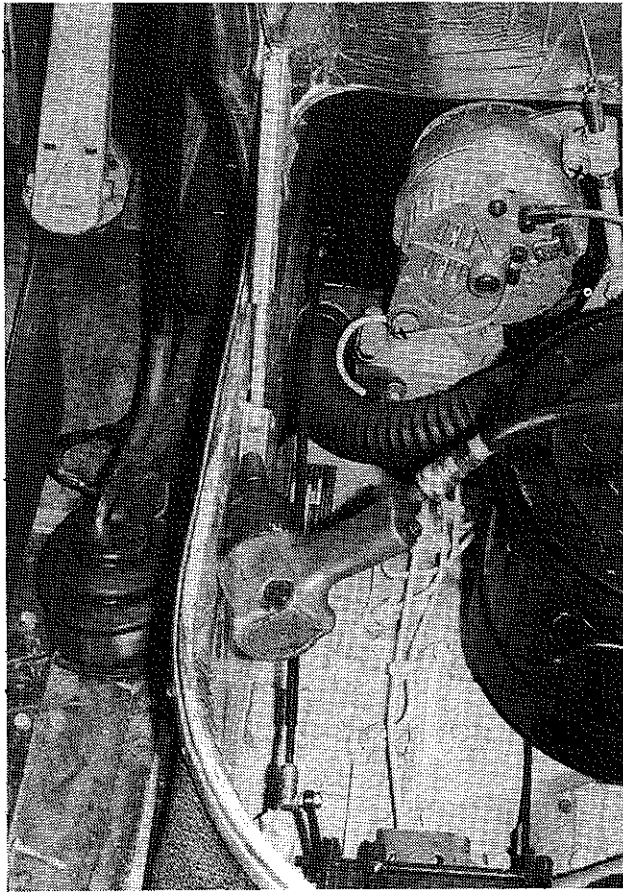
Remove air vent knob from rod located on side of instrument panel post. Remove all fasteners from around edge of access door. Swing door open as shown.



Access is now available to previously unexposed side of instrument panel and gauges as well as air treadle valve and under toeboard panel. Easy removal of windshield wiper motor, headlamp or directional signal lamp is afforded by use of their panel.

Reverse procedure for replacement of panel. Place air control rod through bracket on side of instrument panel post before completely closing door.

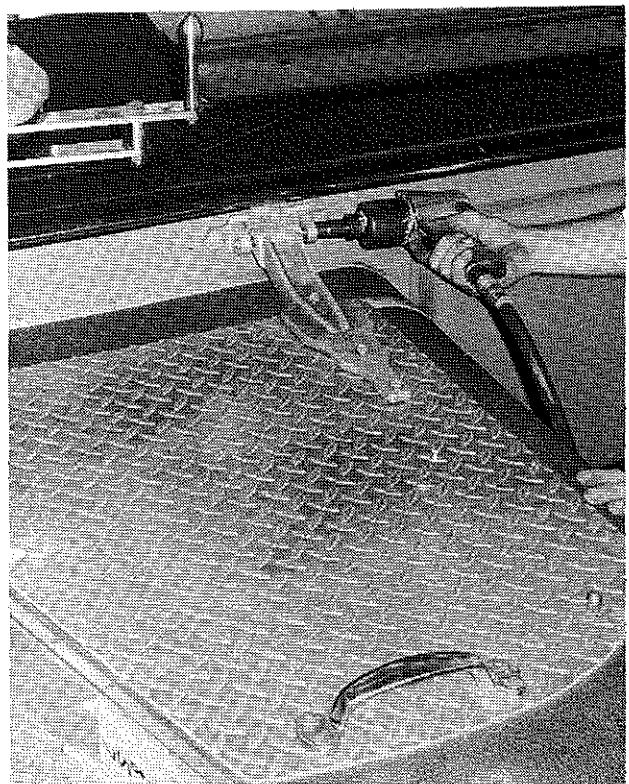
HOOD REMOVAL - 38"



Raise hood to open position and disconnect one end of prop. Allow prop to swivel free and close hood.

#1

Remove fresh air control knob and hood hinge pins.

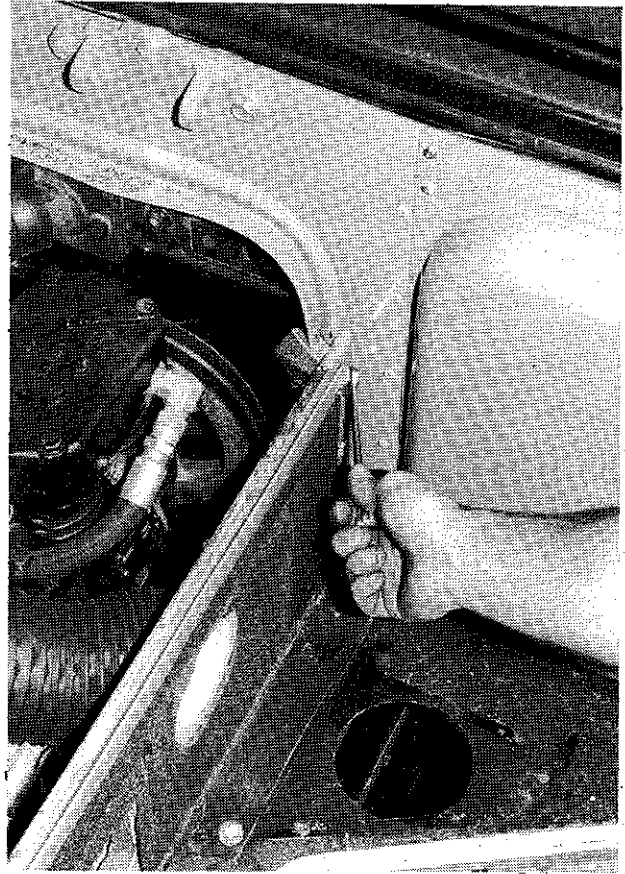


#2

HOOD REMOVAL - 38"

Remove nuts and bolts from right and left front sides of hood ledge, (Illustration #3).

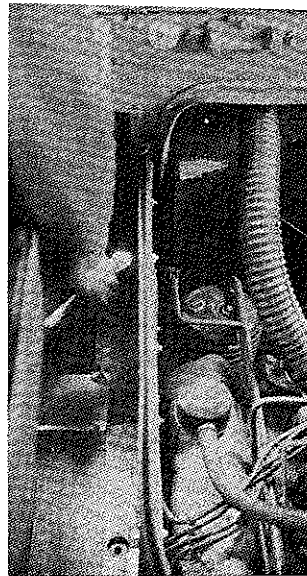
Remove driver's floor mat trim and raise mat for removal of bolts, (Illustration #4 & #5) through ledge flange under driver's mat.



#3

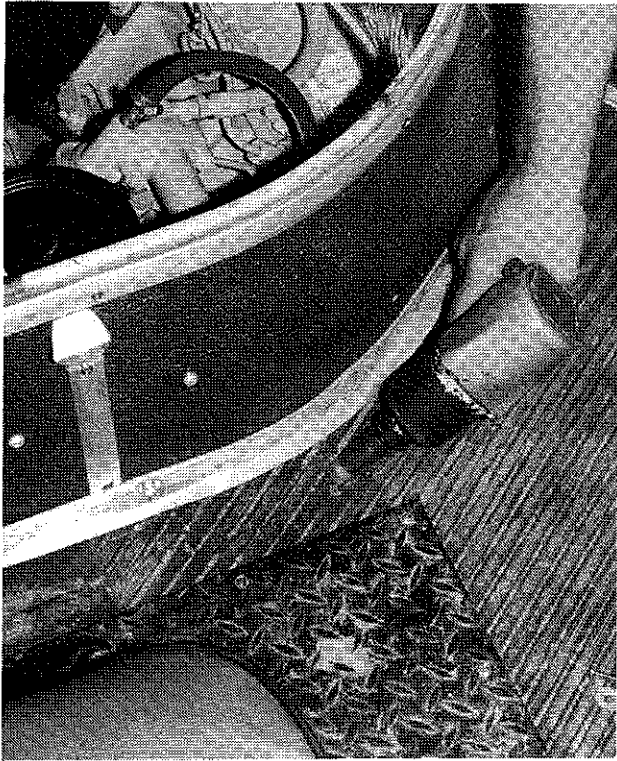


#4

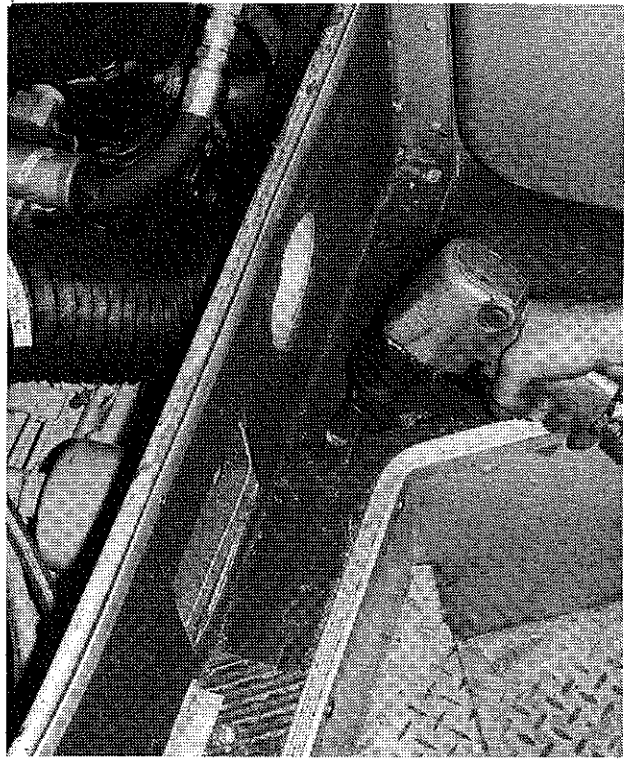


#5

HOOD REMOVAL - 38"



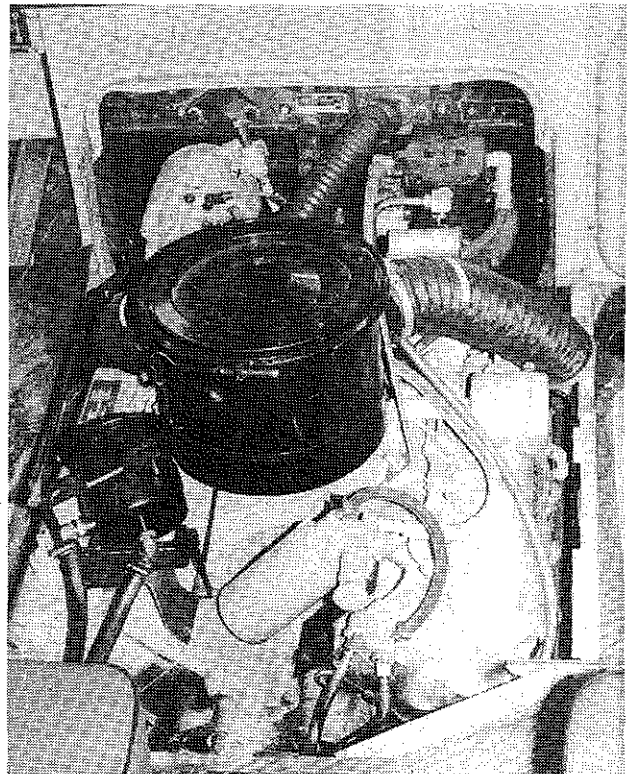
#6



#7

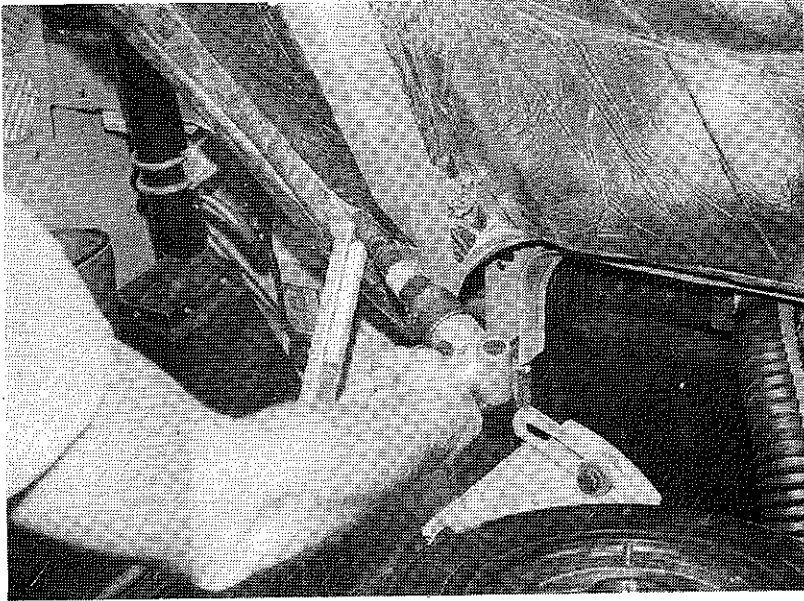
Remove remaining eight bolts through floor around base of ledge, (Illustration #6 & #7)

Raise hood ledge several inches to clear floor, slide back and remove completely. To replace, reverse the above procedure.



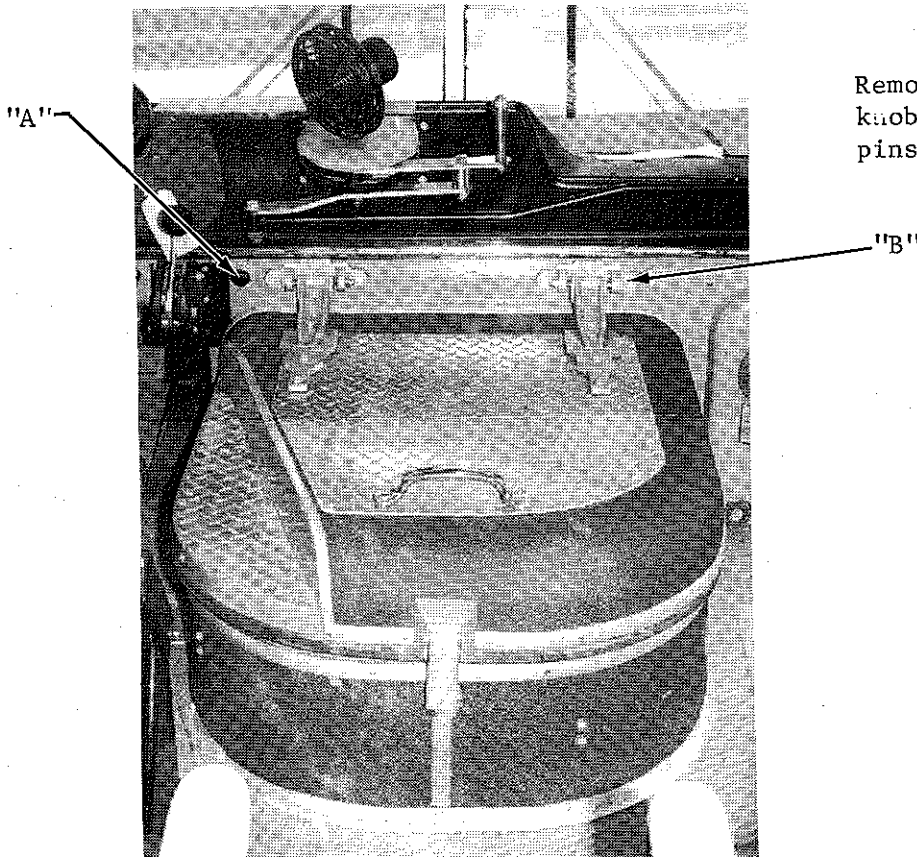
#8

HOOD REMOVAL - 33"



Raise hood to open position and disconnect one end of prop. Allow prop to swivel free and close hood - Illust. #1

Illustration #1



Remove fresh air control knob "A" and hood hinge pins "B" - Illust. #2

Illustration #2

HOOD REMOVAL - 33"

Remove power steering reservoir (Illustration #3). If hood ledge is equipped with rubber covering it may be necessary to pull up covering and remove screws attaching hood ledge to retaining flange on the left hand lower part of hood ledge.

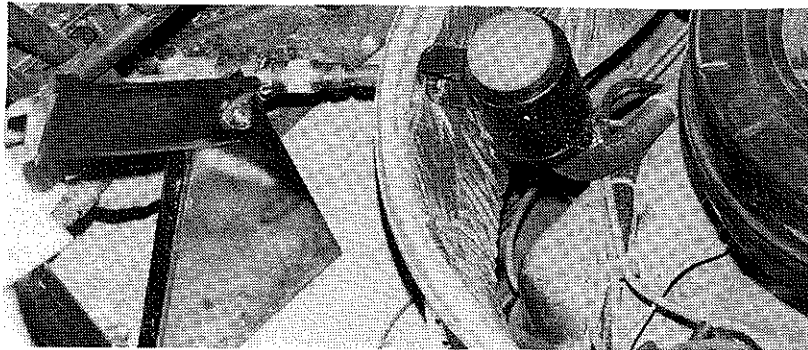


Illustration #3

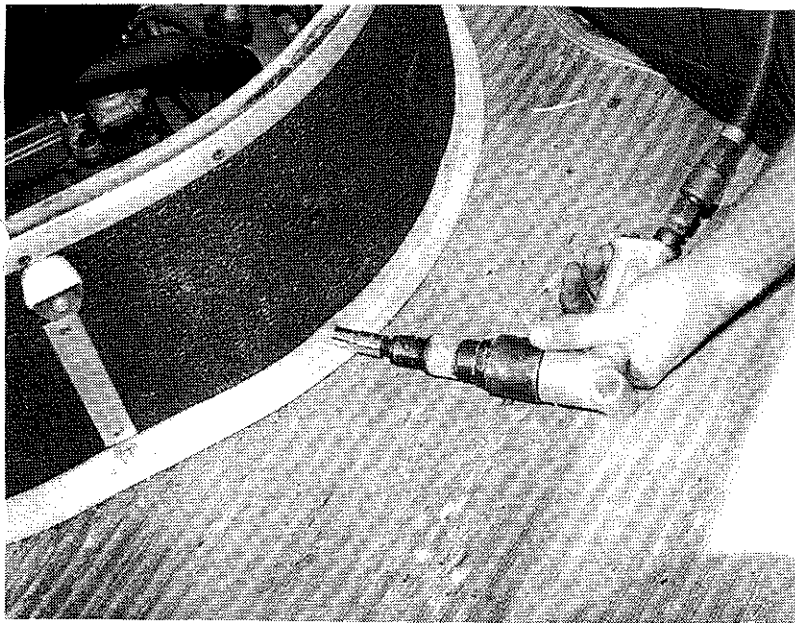


Illustration #4

Remove nuts and bolts from right side and left side of hood ledge and aluminum angle around bottom of hood ledge- Illust. #4.

Slide hood ledge back and remove completely, - Illust. #5. To replace, reverse the above procedure.

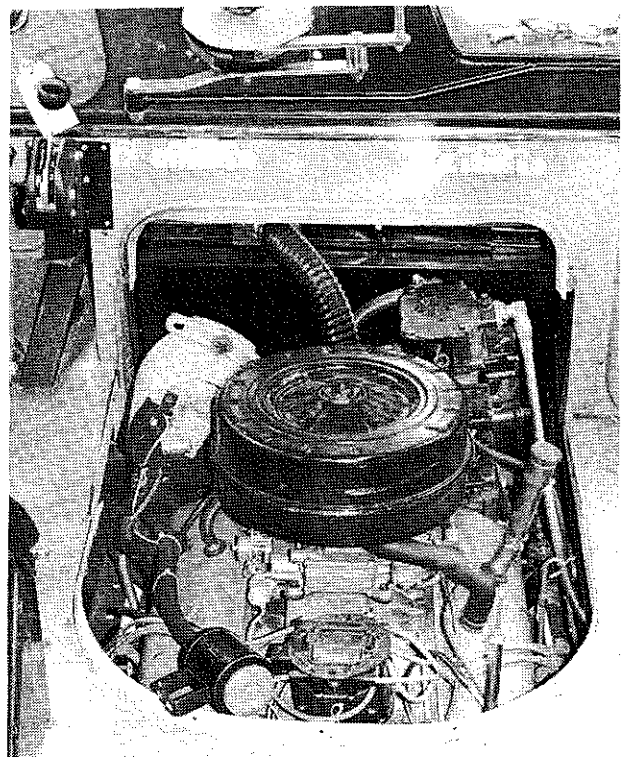
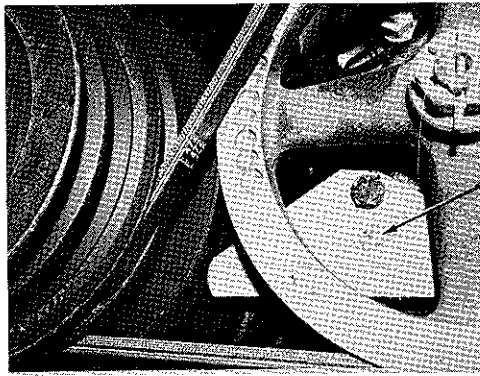
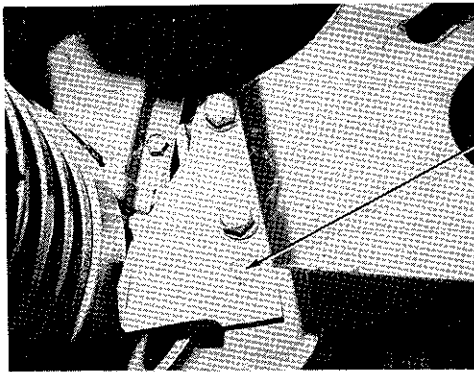


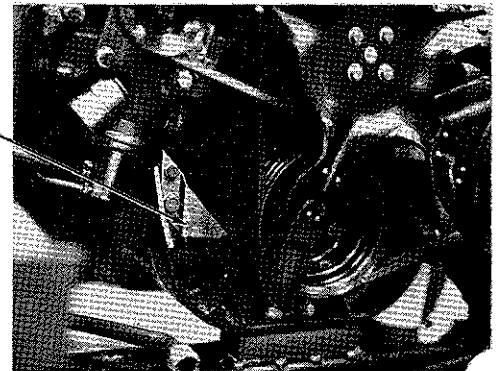
Illustration #5



534 FORD
INSTALLATION



427 CHEVROLET
INSTALLATION






446 IHC
INSTALLATION

GASOLINE ENGINE IGNITION TIMING INSTRUCTIONS

1. Hook up timing light leads in normal manner allowing timing light to be located underneath and in front of driver's side of engine.
CAUTION: Keep leads away from moving parts.
2. Locate lower timing indicator.(See above pictures)
3. Loosen distributor lock bolt and set timing by turning distributor housing until dot on vibration dampener lines up with tip of pointer. Tighten lock bolt and re-check.

Torque Ratings

BOLT SIZE	S.A.E. GRADE 2		S.A.E. GRADE 5		S.A.E. GRADE 8	
	LOAD	TORQUE	LOAD	TORQUE	LOAD	TORQUE
1/4-20	1,300 lbs	5 Ft. lbs.	2,000 lbs	8 ft. lbs	2,850 lbs	12 ft. lbs
1/4-23	1,500 lbs	6 ft. lbs	2,300 lbs	10 ft. lbs	3,250 lbs	14 ft. lbs
5/16-18	2,150 lbs	11 ft. lbs	3,350 lbs	17 ft. lbs	4,700 lbs	24 ft. lbs
5/16-24	2,400 lbs	13 ft. lbs	3,700 lbs	19 ft. lbs	5,200 lbs	27 ft. lbs
3/8-16	3,200 lbs	20 ft. lbs	4,950 lbs	30 ft. lbs	6,950 lbs	45 ft. lbs
3/8-24	3,600 lbs	22 ft. lbs	5,600 lbs	35 ft. lbs	7,900 lbs	50 ft. lbs
7/16-14	4,400 lbs	30 ft. lbs	6,800 lbs	50 ft. lbs	9,600 lbs	70 ft. lbs
7/16-20	4,900 lbs	35 ft. lbs	7,550 lbs	55 ft. lbs	10,700 lbs	80 ft. lbs
1/2-13	5,950 lbs	50 ft. lbs	9,050 lbs	75 ft. lbs	12,800 lbs	105 ft. lbs
1/2-20	6,550 lbs	55 ft. lbs	10,200 lbs	85 ft. lbs	14,400 lbs	120 ft. lbs
9/16-12	7,550 lbs	70 ft. lbs	11,600 lbs	110 ft. lbs	16,400 lbs	155 ft. lbs
9/16-18	8,350 lbs	80 ft. lbs	13,000 lbs	120 ft. lbs	18,300 lbs	170 ft. lbs
5/8-11	9,300 lbs	100 ft. lbs	14,500 lbs	150 ft. lbs	20,300 lbs	210 ft. lbs
5/8-18	10,500 lbs	110 ft. lbs	16,300 lbs	170 ft. lbs	23,000 lbs	240 ft. lbs
3/4-10	13,800 lbs	170 ft. lbs	21,300 lbs	270 ft. lbs	30,100 lbs	375 ft. lbs
3/4-16	15,400 lbs	190 ft. lbs	23,800 lbs	300 ft. lbs	33,600 lbs	420 ft. lbs
7/8-9	11,400 lbs	165 ft. lbs	29,500 lbs	430 ft. lbs	41,600 lbs	610 ft. lbs
7/8-14	12,600 lbs	180 ft. lbs	32,400 lbs	475 ft. lbs	45,800 lbs	670 ft. lbs
1"-8	15,000 lbs	250 ft. lbs	38,700 lbs	645 ft. lbs	54,000 lbs	910 ft. lbs
1"-12	16,400 lbs	270 ft. lbs	42,300 lbs	705 ft. lbs	59,700 lbs	1,000 ft. lbs
1"-14	16,800 lbs	280 ft. lbs	43,300 lbs	720 ft. lbs	61,100 lbs	1,015 ft. lbs

S.A.E. Grade	Bolt Size Dia. In.	Proof Load P.S.I	Tensile Strength Min., P.S.I.	Hardness		Material - Heat Treatment
				Brinnell	Rockwell	
 2	1/4 thru 3/4 (c)	55,000	74,000	149-241	B80-B100	Low or medium carbon steel; CO 28 Max. PO.048 max., and SO.058 max. For bolts over 6 in. long or over 3/4 in. dia. carbon may be as high as 0.55.
	Over 3/4 to 1-1/2 incl.	33,000	60,000	121-241	B70-B100	
 5	1/4 thru 1	85,000	120,000	255-321	C25-C34	Medium carbon steel; CO.28 to 0.55 P.O.048 max., and S.O.058 max. Quenched and tempered at a minimum temperature of 800F.
	Over 1 to 1-1/2 incl.	74,000	105,000	223-285	C19-C30	
 8	1/4 thru 1-1/2	120,000	150,000	302-352	C32-C38	Medium carbon fine grain alloy steel (b): CO.28 to 0.55 P.O.04 max., and S.O.05 max. providing sufficient hardenability to have a minimum oil quenched hardness of 47 RC at the center of the threaded section one dia. from the end of the bolt. Oil quenched and tempered at a minimum temperature of 800F.

FASTENERS

The following information defines chassis fastener grades to be used for the installation of various items on the BB Chassis. The fastener grades shown are minimums and the information applies only to Blue Bird installed fasteners. This does not apply to any vendor supplied or installed fasteners. All chassis fasteners not specified below are to be grade 2.

GRADE 8 FASTENER CATEGORY

- \$ 1. Alternator to mounting bracket, brace and alternator mounting bracket and brace to engine.
- \$ 2. Air compressor to mounting bracket and mounting bracket to engine.
- \$ 3. Power steering pump to engine.
- 4. Fan to fan pulley
- 5. Steering gear to mounting bracket and mounting bracket to frame rail.

GRADE 5 FASTENER CATEGORY

- \$ 1. Transmission to engine.
- 2. Drive line drive yoke.
- 3. Fuel tank brackets and braces to frame (includes LP Gas).
- 4. All crossmember (when bolted).
- 5. All front and rear engine mounting brackets, crossmembers, etc.
- 6. Spring hanger brackets (when bolted).
- 7. Shock absorber brackets to frame.
- 8. Midship bearing assembly to crossmember.
- 9. Front wheel ratio valve to frame.
- 10. Spring brake valve to frame.
- 11. Front bumper bracket and tow hook brace to frame rail.
- \$12. Starter to engine.

\$ Those areas marked with a dollar mark should be torqued to the recommended torques shown on the chart on page for the size and grade fastener used.

NOTE: See attached sheets for exceptions.

CHEVROLET 427

Exceptions to Chart Torque Values:

- a) The two (2) - 3/8 - 16 NC, Grade 8 bolts that attach the air compressor idler pulley should be torqued to 30 ft.-lbs.
- b) The 1/2 - 13 NC, Grade 8 bolt that attach the alternator adjusting arm to the alternator and taps into the alternator, should be torqued to 40-45 ft.-lbs.
- c) The four (4) 7/16 - 14 NC, Grade 8 bolts that attach the air compressor to the air compressor base should be torqued to 55 - 60 ft.-lbs.

FORD 534

Exceptions to Chart Torque Valves:

- a) The 1/2 - 13 NC, Grade 8 bolt that attaches the alternator adjusting arm to the alternator should be torqued to 40 - 45 ft. - lbs.
- b) The two (2) 7/16 - 14 NC, Grade 8 bolts that attach the alternator mounting bracket to the engine should be torqued to 50 ft.-lbs.

IHC 446

Exceptions to Chart Torque Valves:

- a) The 1/2 - 13 NC, Grade 8 bolt that attaches the alternator adjusting arm to the alternator should be torqued to 40 - 45 ft. lbs.

CUMMINS V504, V555

Exceptions to Chart Torque Valves:

- a) The 3/8 - 16 NC, Grade 8 bolt that attaches the alternator mounting plate to the intake manifold should be torqued to 20 Ft. lbs. (V504 Only)
- b) The 1/2 - 13 NC, Grade 8 bolt that attaches the alternator adjusting arm to the alternator and taps into the alternator, should be torqued to 40 - 45 ft. lbs.
- c) The 1/2" - 13NC, Grade 8 bolts that attach the starter to the engine should be torqued to 70 ft.-lbs. and the 5/8 - 11 NC, Grade 8 bolts that attach the starter to the engine should be torqued to 145 ft. - lbs.
- d) The 5/16" - 18NC, Grade 8 bolt that secure the power steering pump pulley to the shaft must be torqued to between 15 and 20 ft. lbs.

CATERPILLAR 3208

Exceptions to Chart Torque Valves:

- a) The 1/2 - 13 NC, Grade 8 bolt that attaches the alternator adjusting arm to the alternator and taps into the alternator, should be torqued to 40 - 45 ft. lbs.
- b) The 5/8 - 11 NC, Grade 8 bolt that attaches the alternator jack screw to the engine bracket should be torqued to 150 ft. - lbs.
- c) The 7/16 - 14 stud and nuts that attach the air compressor to the air compressor base should be torqued to 30 - 35 ft.-lbs.
- d) The 1/2 - 13 NC, Grade 8 bolts that attach the alternator to the alternator MTG Bracket on the WL only should be torqued to 75 ft.-lbs.
- e) The 5/8 - 11 NC, nuts on the alternator jack screw and the 5/8 11 NC bolt that attaches the jack screw to the bracket should be torqued to 100 ft.-lbs.

DETROIT DIESEL 6V53

Exceptions to Chart Torque Valves:

- a) The 1/2 - 13 NC, Grade 8 bolt that attaches the alternator adjusting arm to the alternator and taps into the alternator should be torqued to 40-45 ft lbs.
- b) The 1/2 - 13 NC, Grade 8 bolts that attach the alternator to the mounting bracket should be torqued to 75 ft.-lbs.

CATERPILLAR 3208 WL

Exceptions to Chart Torque Valves:

- a) Same as CAT 3208 except below.
- b) Eliminate one flat washer where the alternator jack screw attaches to the bracket. The 5/8 - 11 NC bolt that attaches the jack screw to the bracket should be torqued to 100 ft.-lbs.

The 2-3/8-16 NC, Grade 8 bolts that attach the alternator adjusting arm bracket to the air compressor on TU-FLO 500 air compressors should be torqued to 30 ft.-lbs.

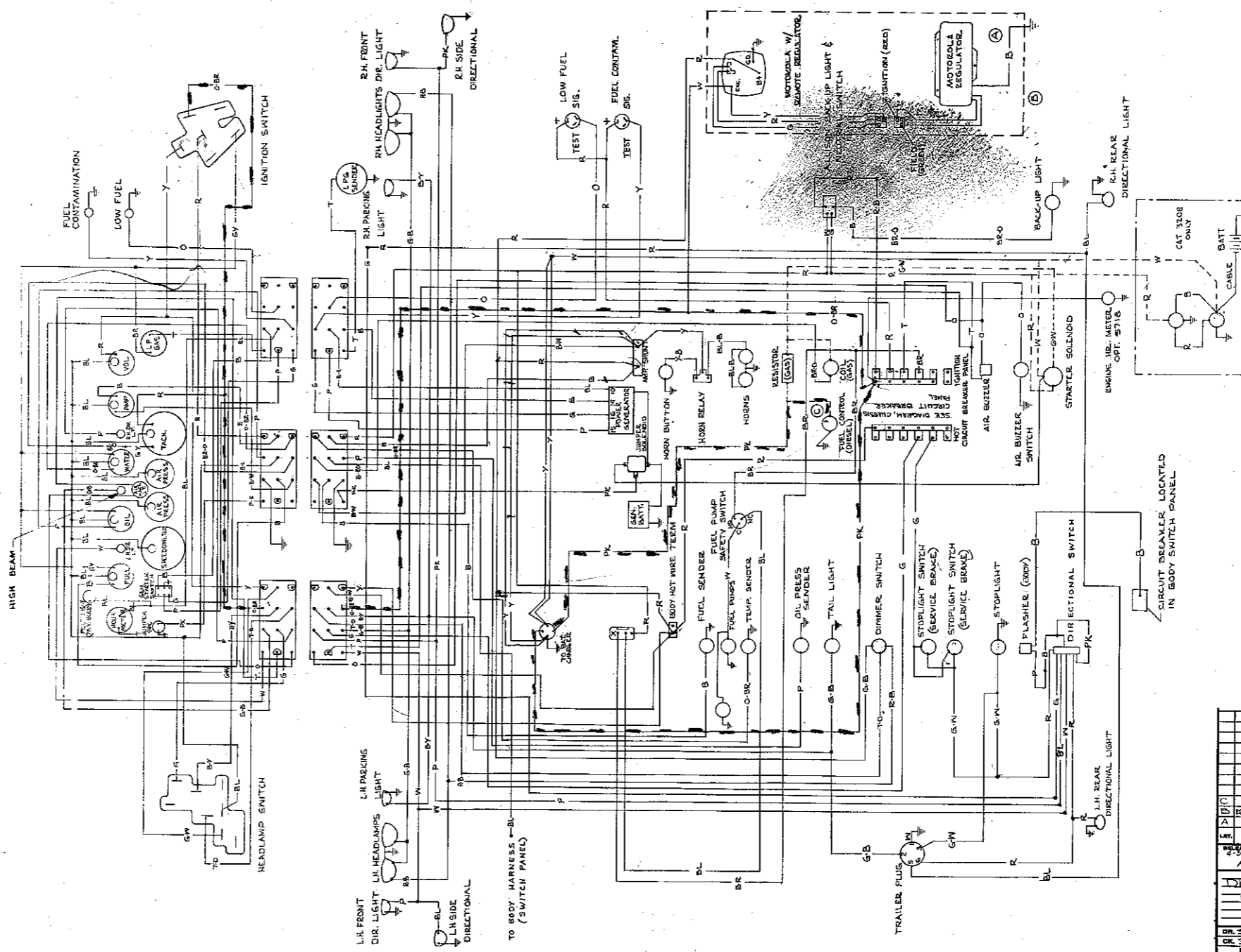
BRUNING 40-22 30102

COLOR SYMBOL	GAUGE	COLOR	STRIPE	CIRCUIT	COLOR SYMBOL	GAUGE	COLOR	STRIPE	CIRCUIT
W	6	White		Main Hot Wire From Battery	R-B	14	Red	Black	Ignition Hot Wire
R	6	Red		Body Hot Wire	BR-O	14-16	Brown	Orange	Tachometer Sender Wire
Y	14	Yellow		Ignition Switch Hot Wire	B	16	Black		Ammeter Wire (Alternator)
C-W	14	Green	White	Headlight Switch Hot Wire	B-W	16	Black	White	Ammeter Wire (Battery)
R	14	Red		Starter Wire	R	16	Red		Tachometer Hot Wire (Tach Lead)
W	14	White		Starter Wire (Neutral Switch Lead Allison Trans.)	CV	16	Gray		Tachometer Sender Wire (Tach Lead)
G	14	Green		Starter Wire (Neutral Switch Lead Allison Trans.)	P	14	Purple		Directional Switch Hot Wire
PK	14	Pink		Coil Wire	B	14	Black		Directional Switch Hot Wire (Switch Lead)
C-W	14	Green	White	12 Volt Starting Wire	C	14	Green		R.H. Rear Directional Light Wire
W-B	14	White	Black	"ACC" Circuit Breaker Panel Hot Wire	R	14	Red		R.H. Rear Directional Light Wire (Switch Lead)
O-BR	14	Orange	Brown	"IGN" Circuit Breaker Panel Hot Wire	BR	14	Brown		L.H. Rear Directional Light Wire
R	14	Red	Brown	"HOT" Circuit Breaker Panel Hot Wire	BL	14	Blue		L.H. Rear Directional Light Wire (Switch Lead)
GY	14	Gray		Instrument Hot Wire	P	14	Purple		L.H. Front Directional Light Wire
R	16	Red		Fuel Sender Wire	PK	14	Pink		R.H. Front Directional Light Hot Wire
B	14-16	Black	Brown	Temperature Sender Wire	F	14	Purple		R.H. Front Directional Light Wire
O-BR	14-16	Orange	Brown	Oil Pressure Sender Wire	P	14-16	White		R.H. Front Directional Light Pilot
P	14-16	Purple		Parking and Tail Light Wire	W	14	White		L.H. Front Directional Light Hot Wire
B-Y	14-16	Black	Yellow	Instrument Light Wire	P	14	Purple		L.H. Front Directional Light Wire
BL	14-16	Blue		Headlight Hot Wire	W	14-16	White		L.H. Front Directional Light Pilot
T-O	14	Tan	Orange	Headlight High Beam Wire	R-B	14	Red	Black	Back Up Light Hot Wire
G-B	14	Green	Black	High Beam Indicator Wire	B	14	Black		Back Up Light Hot Wire (Switch Lead Allison Trans.)
C-B	14-16	Green	Black	Headlight Low Beam Wire	R	14	Red	Orange	Back Up Light Wire (Switch Lead Allison Trans.)
R-B	14	Red	Black	Tail Light Wire	BR-O	14	Brown		Alternator Load Wire
C-B	14	Green	Black	Stoplight Hot Wire	R	6	Red		Fuel Pump Safety Switch NC Wire
G	14	Green	White	Stoplight Hot Wire	BL	14	Blue		Fuel Pump Safety Switch NO Wire
C-W	14	Green	White	Horn Relay Hot Wire	BR	14	Brown		Fuel Pump Primer Switch Hot Wire
Y	14	Yellow		Horn Wire	BR	14	Brown		Fuel Pump Primer Switch Solenoid Wire
BL-B	14	Blue	Black	Horn Button Wire	R	14	Red		Fuel Pump Wire
Y-B	14	Yellow	Black	Air Buzzer and Warning Light Wire	W	14	White		Alternator Exciter Wire (Motorola)
T	14-16	Tan		Air Buzzer and Warning Light Switch Wire					
O	14-16	Orange							



blue bird wanderlodge

COLOR SYMBOL	GUAGE	COLOR	STRIPES	CIRCUIT	COLOR SYMBOL	GUAGE	COLOR	STRIPES	CIRCUIT
W	6	White	---	Main Hot Wire From Battery	Y	10	Yellow	---	Battery Disconnect Switch Wires
V	14	Red	---	Ignition Switch Hot Wire	W	14	White	---	Body Instrument Panel Lights
G-W	14	Green	---	Ignition Switch Hot Wire	P	14	Purple	---	Directional Switch Hot Wire (Switch Lead)
K	14	Red	---	Starter Wire	B	14	Black	---	R.H. Rear Directional Light Wire (Switch Lead)
V	14	Green	---	Starter Wire (Neutral Switch Lead Allison Trans.)	R	14	Red	---	L.H. Rear Directional Light Wire (Switch Lead)
C	14	Cink	---	Coil Wire (Fuel Control Diesel)	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
GW	14	White	---	"Ign" Fuse Panel Hot Wire	P	14	Purple	---	R.H. Front Directional Light Wire (Switch Lead)
W-B	14	White	---	"Ign" Fuse Panel Hot Wire	F	14	Pink	---	L.H. Front Directional Light Wire (Switch Lead)
O-BR	14	Orange	---	Instrument Hot Wire	W	14	White	---	L.H. Front Directional Light Wire (Switch Lead)
O-BR	14	Orange	---	Temperature Sender Wire	K	14	Black	---	L.H. Front Directional Light Wire (Switch Lead)
O-BR	14	Orange	---	Oil Pressure Sender Wire	Y	14	Yellow	---	L.H. Front Directional Light Wire (Switch Lead)
O-BR	14	Orange	---	Headlight Hot Wire	W	14	White	---	L.H. Front Directional Light Wire (Switch Lead)
E-Y	14-16	Blue	---	Headlight Hot Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
EL	14-16	Blue	---	High Beam Indicator Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
T-O	14	Tan	---	Tail Light Wire	R	14	Red	---	L.H. Front Directional Light Wire (Switch Lead)
C-B	14-16	Green	---	Stoplight Hot Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
R-B	14	Red	---	Horn Relay Hot Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
C-B	14	Green	---	Horn Relay Hot Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
C-B	14	Green	---	Stoplight Hot Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
C-W	14	Green	---	Horn Button Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
C-W	14	Green	---	Air Buzzer and Warning Light Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
BL-B	14	Black	---	Pilot Light	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
Y-B	14	Yellow	---	Generator Start	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
T	14-16	Orange	---	Push Button Switch	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
O	14-16	Orange	---	LFC Sender	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
BL	14	Black	---	LFC Sender	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
B	14	Black	---	Temperature Sender Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
C	14	Green	---	Headlight Hot Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
PK	14	Pink	---	Headlight Hot Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
F	14	Tan	---	Headlight Hot Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
R	14	Red	---	Headlight Hot Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
B	14	Black	---	Headlight Hot Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
B	14	Black	---	Headlight Hot Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
B	14	Black	---	Headlight Hot Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
Y	14	Yellow	---	Headlight Hot Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
O	14	Orange	---	Headlight Hot Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)
R	14	Red	---	Headlight Hot Wire	BR	14	Brown	---	L.H. Front Directional Light Wire (Switch Lead)



NOTE: The following accessories connect to the ignition breaker panel:

- Electric Fuel Pump
- Air Buzzer and Warning Light

The following accessories connect to the accessory breaker panel:

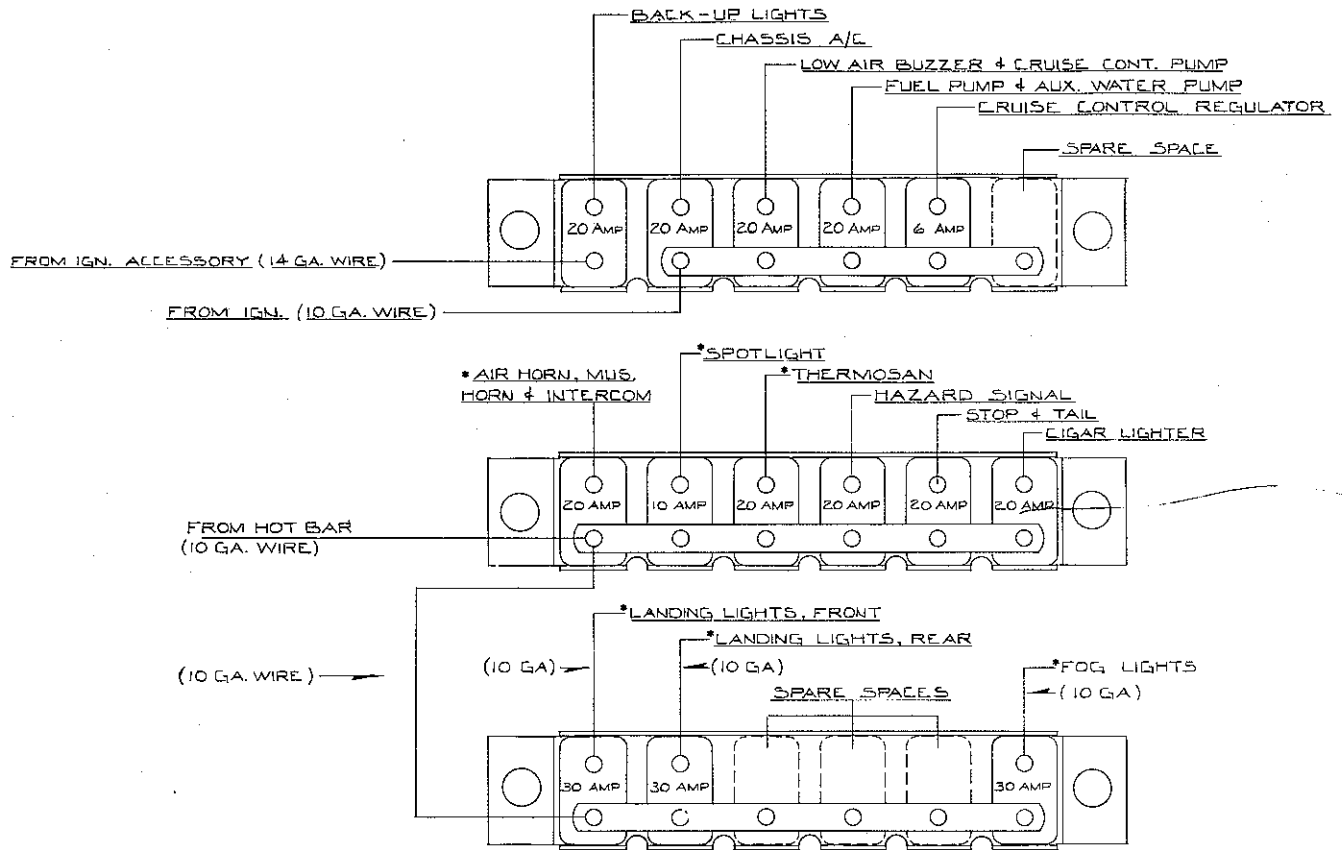
- Backup Light
- Radio

REV.	WAR.	REVISIONS	BY	DATE	CHK.
C		ADD ENGINE CUT OFF	WJ	12-27	
D		RED WIRE DELETE REGULATOR VOLT SENSE	WJ	12-27	
A		ADD NEW REGULATOR / FUEL HOSES	WJ	12-27	

DESIGNED BY: **BLUE BIRD BODY CO.**
 PORT VALLEY, GEORGIA, U.S.A.
 DIAGRAM, MASTER WIRING, W/ CHASSIS
 DR. 3-2-77 BY: *WJ* SIZE: **C**
 CK. 3-3-77 BY: *WJ* **0864652**
 DO NOT SCALE



blue bird wanderlodge



NOTE !

- 1- ALL UNSPECIFIED WIRES ARE 14 GA.
- 2- * DENOTES OPTIONAL ITEMS

REV.	WAS	REVISIONS	BY	DATE	REL.
RELEASED	Blue Bird Wanderlodge, Inc.			SCALE	
FORT VALLEY, GEORGIA, U.S.A.					
DIAGRAM, WIRING, CHASSIS					
CIRCUIT BREAKER PANEL					
DR. I-51-77	BY	SIZE			
CK.		BY	C	2223386	
DO NOT SCALE					