

Amphicat

PARTS MANUAL

MODEL NO. 500121



DISTRIBUTED BY MOBILITY UNLIMITED - RAYMOND, MISS. 39154

ASSEMBLY AND PARTS LIST FOR AMPHICAT

MODEL NO. 500121

The Model and Serial No. of your Amphicat will be found on a name plate riveted to the rear of the left frame member. Always mention this number in all correspondence regarding your Amphicat.

HOW TO ORDER REPAIR PARTS

All parts listed herein may be ordered through your Authorized Amphicat Dealer. When ordering parts by mail always give the following information:

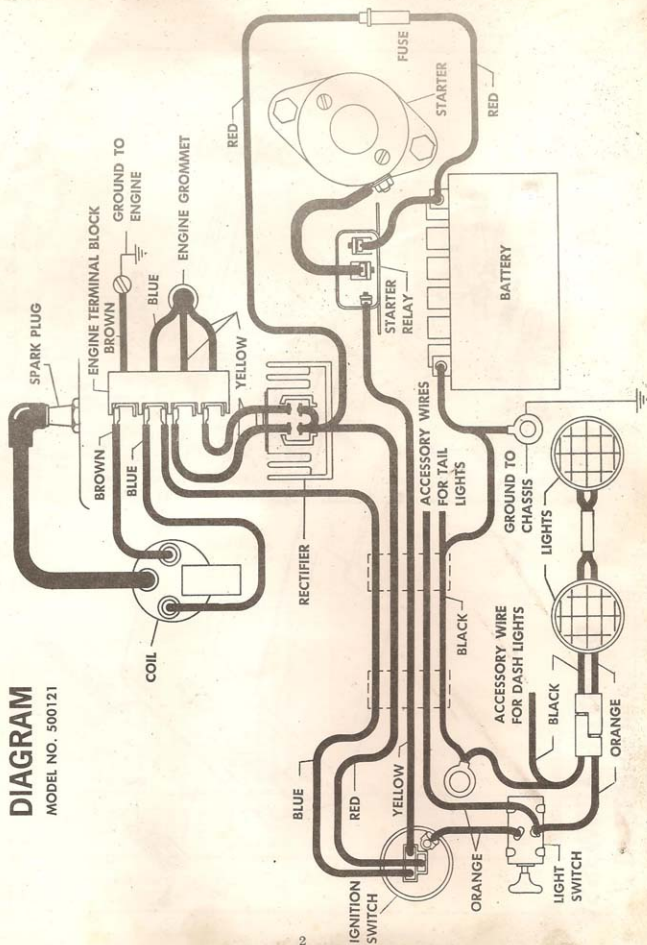
- | | |
|--------------------------------|------------------|
| 1. The Model and Serial Number | 3. The Part Name |
| 2. The Part Number | 4. The Quantity |

YOUR PARTS MANUAL

Some parts have the same description but are either "Right" or "Left" hand, specify "Right" or "Left" hand when ordering parts. Right Hand is Drivers Right Hand when seated in normal driving position. Also duplicate parts and assemblies are not shown on drawings.

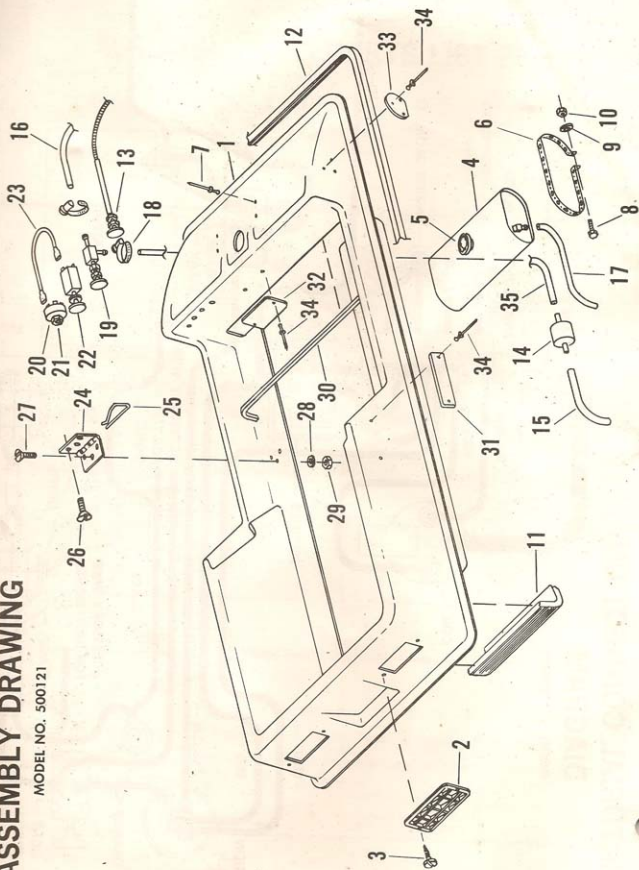
PICTORIAL CONNECTION DIAGRAM

MODEL NO. 500121



UPPER BODY ASSEMBLY DRAWING

MODEL NO. 500121



PARTS LIST FOR AMPHICAT

MODEL NO. 500121 UPPER BODY ASSEMBLY DRAWING

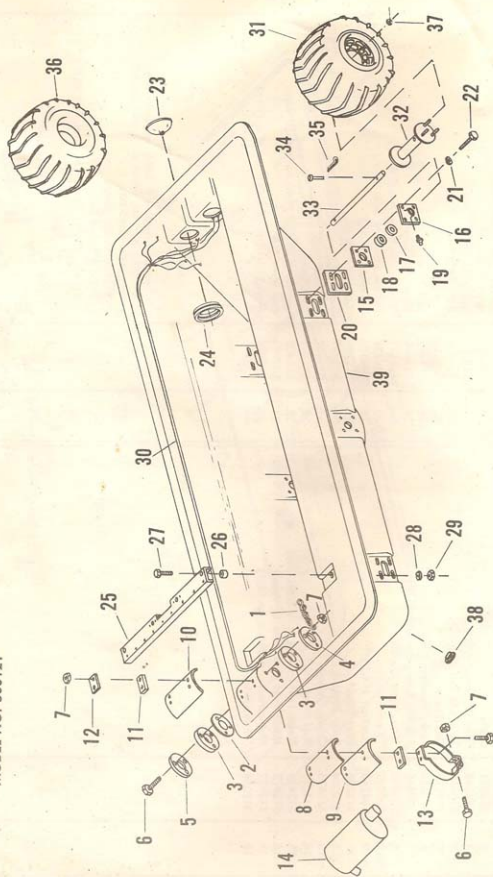
Key No.	Part No.	Description	Key No.	Part No.	Description
1.	512435	*Formed Upper Body	19.	511387	ON-OFF Fuel Valve
2.	511391	Grille	20.	511404	Ignition Switch
3.	144848	*Pan Hd. Screw # 10-12 x 1-1/4	21.	510587	Nut 9/16-24
4.	510559	Tank and Cap Assembly	22.	511414	Light Switch
5.	512119	Gas Gauge	23.	511438	Jumper
6.	511664	Tank Mounting Strap	24.	511448	Leaf Hinge
7.	507862	1/8 Pop Rivet - Use with 511025 Washer	24.	511449	Hinge Pin
8.	121900	*Hex Screw 1/4-20 x 1	26.	9426111	*Screw S/M # 10-16 x 3/4
9.	120392	*Washer 1/4	27.	134231	*Screw # 8-32 x 3/4
10.	504548	*Locknut 1/4-20	28.	9414106	*Washer Flat # 8
11.	512206	Heat Shield	29.	511355	*Locknut # 8-32
12.	510564	Body Bumper	30.	512457	Dash Trim
13.	510675	Choke Control	31.	511407	Amphicat Logo Plate
14.	511517	Fuel Filter	32.	511431	Dash Decal
15.	512474	Plastic Fuel Line (Filter to Steel Line)	33.	511408	Left Hand, 511409 Right Hand Pacat Plate
16.	512472	Plastic Fuel Line (Tank to Valve)	34.	507735	Pop Rivet 1/8
17.	512477	Plastic Fuel Line (Return to Tank)	35.	512473	Plastic Fuel Line (ON-OFF Valve to Filter)
18.	512084	*Hose Clamp			

*Order part number 512568, which includes the following parts which are manufactured only in matched sets.
512435 Upper Body
512702 Lower Body
512445 Engine Cover and Trim Assembly

*May Be Purchased Locally

LOWER BODY ASSEMBLY DRAWING

MODEL NO. 500121



**PARTS LIST FOR
AMPHICAT**

MODEL NO. 500121

LOWER BODY ASSEMBLY DRAWING

Key No	Part No.	Description	Key No	Part No.	Description
1.	512133	Chain # 12 Jack	21.	120214	*Lockwasher 5/16
2.	511902	Muffler Inlet Foil	22.	122033	*Hex Bolt 5/16-18 x 1-3/8
3.	511897	Muffler Inlet Insulation	23.	510556	Sealed Beam Lamp
4.	511898	Inner Muffler Inlet Plate	24.	510602	Lamp Mounting Ring
5.	511899	Outer Muffler Inlet Plate	25.	512447	Stiffener
6.	121913	*Hex Bolt 1/4-20	26.	512120	Stiffener Spacer
7.	504548	*Locknut 1/4-20	27.	133983	*Screw # 10-24 x 1-1/2
8.	511894	Muffler Well Insulation	28.	9417714	*Flat Washer # 10
9.	511699	Muffler Well Shield	29.	507101	*Locknut # 10-24
10.	512113	Inner Shield	30.	512506	Harness
11.	511901	Muffler Clamp Insulation	31.	511722	Tire - Right Hand
12.	511900	Muffler Clamp Plate	32.	511531	Flange Weldment
13.	511688	Clamp Weldment	33.	511536	Axle Rod
14.	511681	Muffler	34.	510737	Clevis Pin
15.	510621	Body Seal Gasket	35.	177923	Cotter Pin
15.	511430	Seal Plate Assembly	36.	511721	Tire - Left Hand
17.	510624	Seal	37.	442825	Nut Ty HLT Lock 5/16-18
18.	511429	Bushing	38.	512124	Drain Plug
19.	9411027	Lubrication Fitting	39.	512702	*Lower Body
20.	510636	Body Support			

*Order part number 512568, which includes the following parts which are manufactured only in matched sets.

512435 Upper Body

512702 Lower Body

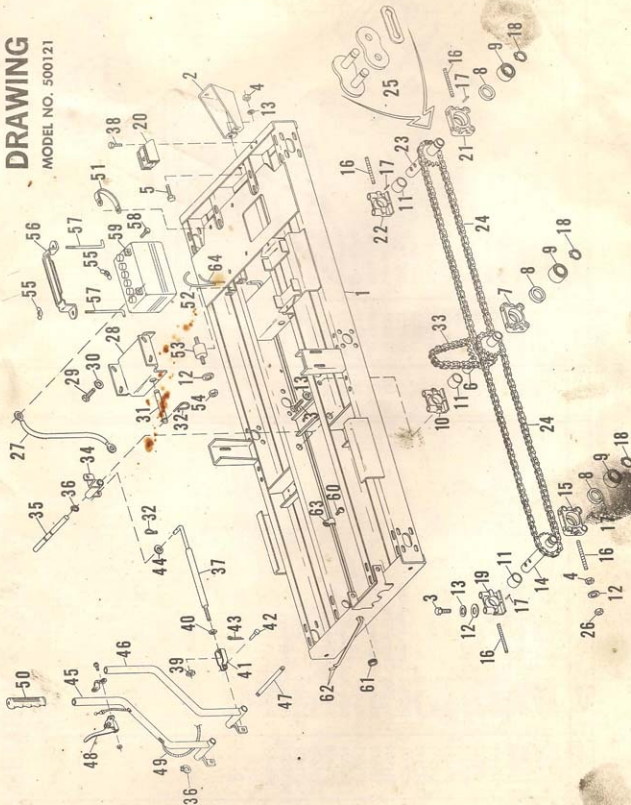
512445 Engine Cover and Trim Assembly

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CHASSIS ASSEMBLY

DRAWING

MODEL NO. 500121



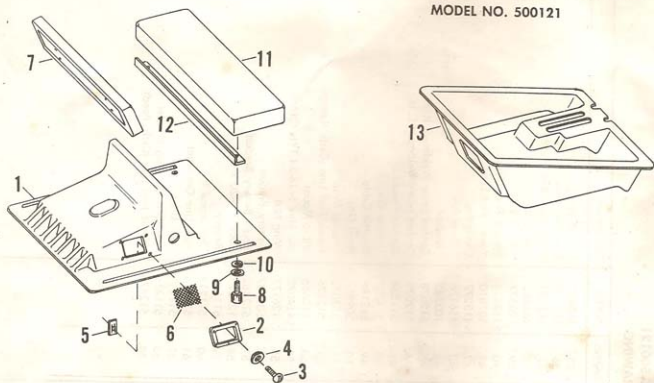
**PARTS LIST FOR
AMPHICAL
MODEL NO. 500121
CHASSIS DRAWING**

Key No.	Part No.	Description	Key No.	Part No.	Description
1.	512416	Chassis Weldment	35.	512421	Control Shaft
2.	511442	Frame Hitch	36.	511335	Retaining Ring
3.	120228	*Hex Bolt 5/16-18 x 5/8	37.	512420	Connecting Rod Weldment
4.	120376	*Hex Nut 5/16-18 x 3/4	38.	448445	Self Tapping Screw 1/4 - 20 x 1/2
5.	122007	*Hex Bolt	39.	120377	*Nut 3/8-16
6.	510593	Axle - Inner Weldment, Center	40.	9413534	*Nut 3/8-16 Clock
7.	510595	Block - B/B Center	41.	507810	Yoke - Rod End
8.	510679	Oil Seal	42.	9413277	Clevis Pin
9.	511372	Ball Bearing	43.	456176	*Cotter Pin
10.	510597	Block O/B Center	44.	103343	*Washer
11.	510591	Bronze Bearing	45.	512078	Control Lever Weldment R. H.
12.	120393	*Flat Washer 5/16	46.	512079	Control Lever Weldment L. H.
13.	120214	*Lock Washer 5/16	47.	511334	Control Pivot Bar
14.	511675	Axle - Inner Weldment, Front	48.	511729	Throttle Control
15.	510581	Block - B/B, Left Front & Right Rear	49.	512186	Throttle Cable
16.	510714	Stud	50.	509817	Hand Grip
17.	443013	Grove Pin 1/8 x 5/8	51.	512073	Ground Strap
18.	510632	Retaining Ring	52.	512476	Plastic Fuel Line (Carb. Return)
19.	510585	Block - O/B, Left Front & Right Rear	53.	510666	Vibro Mount
20.	512139	Rectifier	54.	9414072	Nut Hex 5/16-24 TYN Clock
21.	510722	Block - B/B Left Rear & Right Front	55.	126177	Wing Nut
22.	510583	Block - O/B Left Rear & Right Front	56.	502437	Battery Bracket
23.	510589	Axle - Inner Weldment, Rear	57.	512462	Rod - Battery Bracket
24.	510610	Chain-Axle Drive, Front & Rear	58.	120225	*Bolt 1/4-20 x 3/4
25.	510680	Connecting Link	59.	511562	Battery
26.	442825	Lock Nut TY HLT 5/16-18	60.	511213	Drill Screw # 8
27.	511859	Wire Assy. (Batt. to Gnd.)	61.	511416	Fuel Line Grommet
28.	512349	Transmission Cradle	62.	511415	Fuel Lines
29.	122119	*Hex Bolt 3/8-16 x 3/4	63.	511418	Fuel Line Securing Bracket
30.	120382	*Lock Washer 3/8	64.	512475	Plastic Fuel Line (Carb. Feed)
31.	512354	Shaft			
32.	501130	Hair Pin			
33.	512465	Chain Assembly			
34.	512542	Left Hand Control Tube Weldment			
	512543	Right Hand Control Tube Weldment			

*May Be Purchased Locally

SEAT-ENGINE COVER ASSEMBLY DRAWING

MODEL NO. 500121



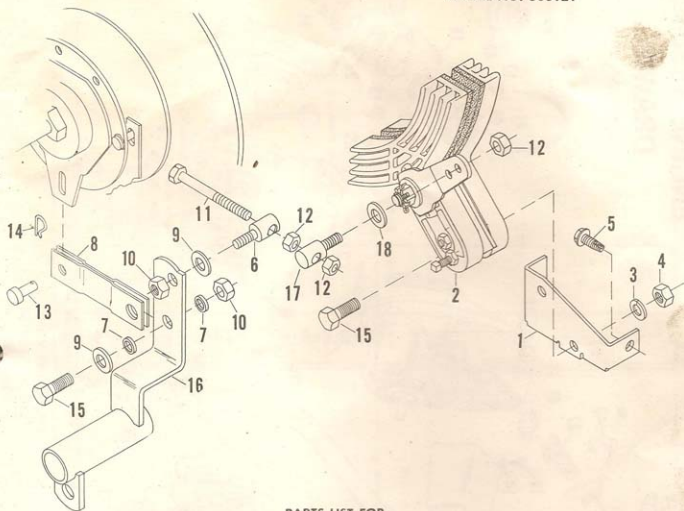
PARTS LIST FOR AMPHICAT MODEL NO. 500121 SEAT-ENGINE COVER DRAWING

Key No.	Part No.	Description	Key No.	Part No.	Description
1.	512445	Engine Cover and Trim Assembly	8.	121887	Bolt 1/4-20 x 3/4
2.	511134	Engine Cover Trim	9.	120380	Lock Washer 1/4
3.	132768	*Screw # 8-32 x 3/4	10.	9416904	Flat Washer 1/4
4.	9414106	*Washer # 8	11.	511467	Seat Cushion
5.	511339	Speed Nut	12.	511470	Seat Reinforcement
6.	511114	Engine Grille	13.	510707	Footwell
7.	511466	Back Cushion			

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BRAKE & LINKAGE ASSEMBLY DRAWING

MODEL NO. 500121



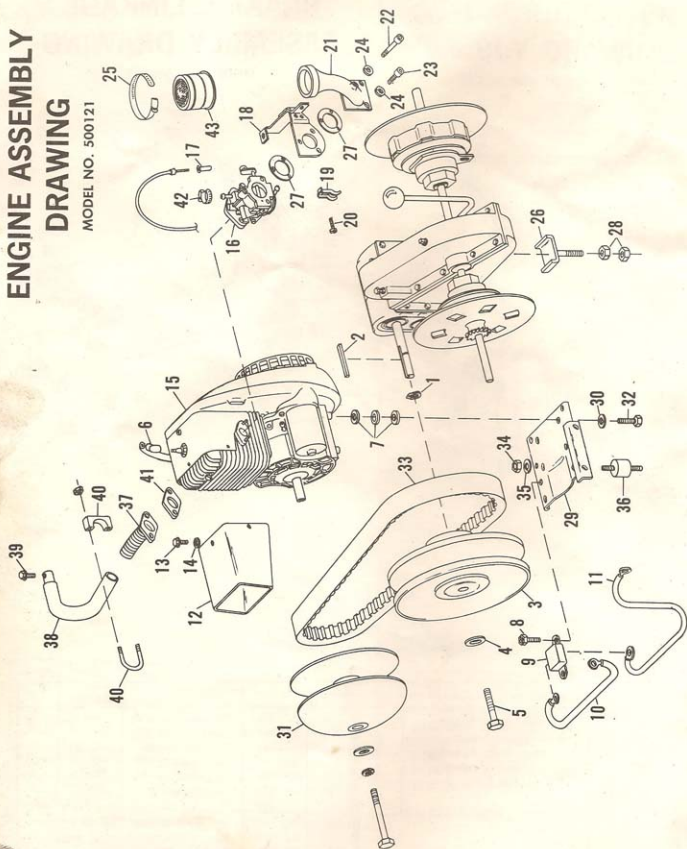
**PARTS LIST FOR
AMPHICAT
MODEL NO. 500121
BRAKE AND LINKAGE DRAWING**

Key No.	Part No.	Description	Key No.	Part No.	Description
1.	512516	Right Hand Brake Bracket	9.	120393	*Flat Washer 5/16
	512517	Left Hand Brake Bracket	10.	503391	Locknut 5/16-18
2.	512432	Right Hand Brake Assembly	11.	512541	*Machine Screw 1/4-20 x 3-1/4
	512431	Left Hand Brake Assembly	12.	504548	Lock Nut 1/4-20
3.	120214	*Lock Washer 5/16	13.	274886	Clevis Pin
4.	120376	*Hex Nut 5/16-18	14.	456176	Cotter Pin
5.	9417860	Self Tapping Screw 1/4-20 x 1/2	15.	122007	*Hex Bolt 5/16-18 x 3/4
6.	512480	Pin 5/16 - 18	16.	512542	Left Hand Control Tube Weldment
7.	512481	Bushing		512543	Right Hand Control Tube Weldment
8.	512478	Link Weldment	17.	512566	Pin 1/4 - 20
			18.	120392	Washer 1/4

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ENGINE ASSEMBLY DRAWING

MODEL NO. 500121



PARTS LIST FOR
AMPHICAT

MODEL NO. 500121
ENGINE DRAWING

Key No.	Part No.	Description	Key No.	Part No.	Description
1.	508218	Retaining Ring	23.	138201	*Socket Hd. Screw 1/4-20 x 3/4
2.	510702	Key	24.	120380	Lockwasher 1/4
3.	512242	Torque Converter - Driven	25.	511705	*Clamp
4.	506433	Washer	26.	512527	Transmission Support
5.	180077	Hex Bolt 5/16-18 x 1	27.	511709	Gasket
6.	511523	Spark Plug Cover	28.	120238	*Jam Nut 1/2-13
7.	120388	*Flat Washer 5/64 Thick (Spacer)	29.	512409	Engine Plate Weldment
8.	446135	Hex Head Self Tapping Screw 10-24 x 5/8	30.	120382	Lockwasher 3/8
9.	512398	Starter Relay	31.	512240	Drive Pulley, Torque Converter
10.	511858	Jumpers (Relay to Starter)	32.	510857	Engine Mounting Bolt
11.	510719	Jumpers (Relay to Battery)	33.	510603	Belt - V - Cog
12.	511129	Duct Assembly	34.	120368	Nut Hex 5/16-24 Tyn C'Lock
13.	511213	*Hex Washer Head # 8-32 Screw	35.	120214	*Lockwasher 5/16
14.	138530	*Internal Tooth # 8-Lockwasher	36.	510666	Vibro Mount
15.	512453	Engine	37.	512442	Exhaust Tube Weldment
16.	510953	Carburetor	38.	512444	Exhaust Pipe
17.	511130	Throttle Bushing	39.	511213	Hex Washer Hd. Screw # 8
18.	511405	Support and Bracket Weldment	40.	511904	Clamp 1-5/8
19.	511417	Wire Clamp	41.	510856	Gasket
20.	447821	*Screw # 10-24 x 3/8 Pan Hd. Type "F"	42.	512084	*Hose Clamp
21.	512567	Elbow	43.	511710	Air Cleaner Element
22.	138208	*Socket Head Screw 1/4-20 x 2-1/2			

*May Be Purchased Locally

TRANSMISSION ASSEMBLY DRAWING

MODEL NO. 500121



MODEL NO. 500121
TRANSMISSION DRAWING

Key No.	Part No.	Description	Key No.	Part No.	Description
1.	512345	Transmission Housing	39.	120375	*Hex Nut 1/4-20
2.	512348	Reverse Idler With Bearings	40.	512391	Inner Sprocket
3.	511346	Idler Bearings	41.	512392	Shaft
4.	512361	Idler Reverse Pin	42.	121887	*Hex Bolt 1/4-20 x 3/4
5.	102569	*Set Screw 1/4-20 x 1/4 Soc. Head	43.	120380	*Lockwasher 1/4
6.	512313	Spline Shaft	44.	503879	Shift Lever Knob
7.	501625	Retaining Ring	45.	512319	Clutch Assembly Weldment
8.	512314	Sliding Gear	46.	512332	Clutch Plate Assembly
9.	512311	Sprocket	47.	512325	Clutch Disc
10.	512387	*"O" Ring (4 Places)	48.	512321	Pressure Plate
11.	512337	Bearing (Spline Shaft - Both Ends)	49.	512342	Bearing Bronze
12.	512364	Retaining Ring (4 Places)	50.	512412	Thrust Bearing Sleeve
13.	512329	Main Shaft	51.	512396	Thrust Ball Bearing
14.	512315	Cluster Gear	52.	512423	Left Hand Cam Plate Weldment
15.	512336	Driv Lok Pin	53.	512424	Right Hand Cam Plate Weldment
16.	512365	Spacer	54.	512427	Adjusting Nut 1-1/8-12 N.C.
17.	512382	Bearing (Main Shaft - Both Ends)	55.	502490	Thrust Washer
18.	512368	Lower Housing with Pins	56.	512374	Output Clutch
19.	512335	Bronze Bearing	57.	512341	Needle Bearing
20.	512339	Index Plate Weldment	58.	502487	Seal
21.	512369	Spring	59.	9411027	Grease Fitting
22.	169110	Ball	60.	512397	Spacer
23.	125250	Castle Nut	61.	510671	Bearing
24.	120123	*Cotter Pin	62.	512356	Collar Weldment
25.	512371	Gasket	63.	120396	*Washer, 1/2
26.	122007	*Hex Bolt 5/16-18 x 3/4	64.	120238	*Nut, 1/2-13
27.	122017	*Hex Bolt 5/16-18 x 1	65.	512353	Support Clamp
28.	120214	Lockwasher 5/16	66.	180020	Hex Bolt 1/4-20 x 3/4
29.	512376	Shaft	67.	121753	*Washer, 1/4
30.	512379	Sprocket Weldment	68.	512405	Right Hand Clutch Stabilizer
31.	124552	Woodruff Key # 13 (2 Places)	69.	102869	Left Hand Clutch Stabilizer
32.	512382	Bearing	70.	512438	Pipe Plug 3/4
33.	512507	Right Hand Spacer	71.	455598	Shift Lever Weldment
34.	512384	Left Hand Spacer	72.	510197	Spring Pin
35.	512508	Chain Assembly with 510680 Master Link (See Chassis Dwg.)	73.	502489	Square Key
36.	512388	Gasket	74.	512540	Thrust Washer
37.	512405	Gasket	75.	124920	Chassis Brace
38.	512441	Upper Housing	76.	120213	*Hex Nut, Jam, 5/16-24
		*Hex Machine Screw 1/4-20 x 2"			*Hex Bolt 5/16-24 x 7/8

May Be Purchased Locally