FMC
Environmental
Equipment

BRUSH CHIPPER

SERVICE PARTS

CATALOG 402790



Purchased from
Casey - Dupuis
Newington, Ct
667-0803

BRUSH CHIPPER

FMC
Environmental Equipment

SERVICE PARTS

CATALOG 402790



CURRENT MODEL

Model No. 161318

Serial No. 300 - 2869

FIFTH EDITION
JANUARY 15, 1974
PRICE $4.00

SPECIAL EQUIPMENT FOR YOUR MACHINE IS SHOWN IN THE BACK OF THIS BOOK UNDER **OPTIONAL EQUIPMENT.** PLEASE REFER TO THIS SECTION FOR PARTS INFORMATION.

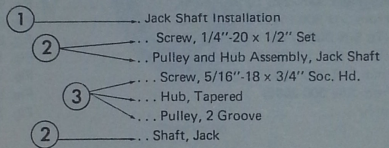
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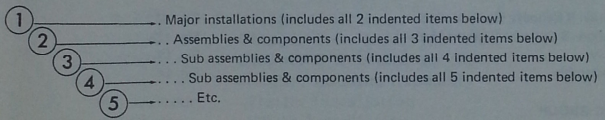
INSTRUCTIONS FOR ORDERING PARTS

1. Give name and address of person or company to whom parts are to be shipped.
2. Give model and serial number when parts are for a specific machine. This serial number provides an accurate method of indicating, in the sequence of serial numbers, any design changes that have been made.
3. Give part number and description for each part needed. AVOID MISTAKES – Re-check each number. Do not give a number you are not sure of, instead, describe the part in detail and tell where it is used. Furnish a brief sketch, if possible, to illustrate what is needed.
4. Show quantity required of each item.

HOW TO USE THE ILLUSTRATED PARTS BREAKDOWN

Each installation and assembly listed is followed immediately by a listing of its component parts, properly indented to show their relationship to the assembly. Parts are listed in general order of disassembly. An example of the indent system is as follows:





DEFINITIONS OF ABBREVIATIONS

Amp.	Ampere	I.D.	Inside Diameter	Rd.	Round
A/R	As Required	Incl.	Includes	Ref.	Reference Item (Not Included in Assembly)
Assy.	Assembly	L.H.	Left-Hand		
Auto.	Automatic	Max.	Maximum	Req'd.	Required
Aux.	Auxiliary	No.	Number	R.H.	Right-Hand
Cyl.	Cylinder	NPT	Nation Pipe Threads	SGB	Single Gutter Broom
DGB	Double Gutter Broom	NS	Not Serviced–Order next highest assembly	S/N	Serial Number
DSB	Dual Side Broom			Soc.	Socket
Ga.	Gauge	NSS	Not Serviced Separately–Order service repair kit	SSB	Single Side Broom
G.B.	Gutter Broom			Trans.	Transmission
Hd.	Head	Opt.	Optional	W/	With
H.P.	Horse Power	O.D.	Outside Diameter	W/O	Without
H.T.	Heat Treated	Pg.	Page		

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SPECIAL EQUIPMENT FOR YOUR MACHINE IS SHOWN IN THE BACK OF THIS BOOK UNDER **OPTIONAL EQUIPMENT**. PLEASE REFER TO THIS SECTION FOR PARTS INFORMATION'	

BASIC UNIT

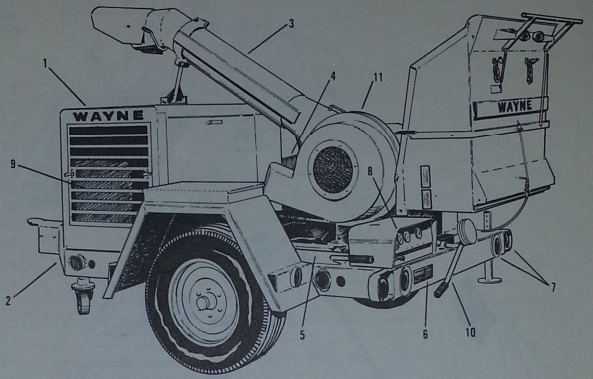


Fig-Item Number	Part Number	Description	No Req'd
1-	401672	Chipper-6 Cylinder-12" Rotor (To S/N 300-2359)	1
	400268	Chipper-8 Cylinder-12" Rotor	1
	400270	Chipper-8 Cylinder-16" Rotor	1
1	400277	.Engine Housing Assembly	1
2	No Number	.Trailer Installation	1
3	No Number	.Chute Installation	1
4	402197	.Belt Guard Installation	1
5	400520	.Fuel Tank Assembly (To S/N 300-1779, Except 1765, 1766)	1
	403362	.Fuel Tank Assembly (From S/N 300-1780, Also 1765, 1766)	1
6	403233	.Decal Installation	1
7	403190	.Electrical Installation (6 Cylinder)	1
	403190-1	.Electrical Installation (8 Cylinder)	1
8	400020	.Instrument Panel Assembly	1
9	401670	.Engine Installation (6 Cylinder)	1
	402970	.Engine Installation (8 Cylinder)	1
10	400492	.Clutch Lever Assembly	1
11	401951	.Rotor Housing Installation (12" Rotor)	1
	401951-1	.Rotor Housing Installation (16" Rotor)	1

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ENGINE HOUSING ASSEMBLY

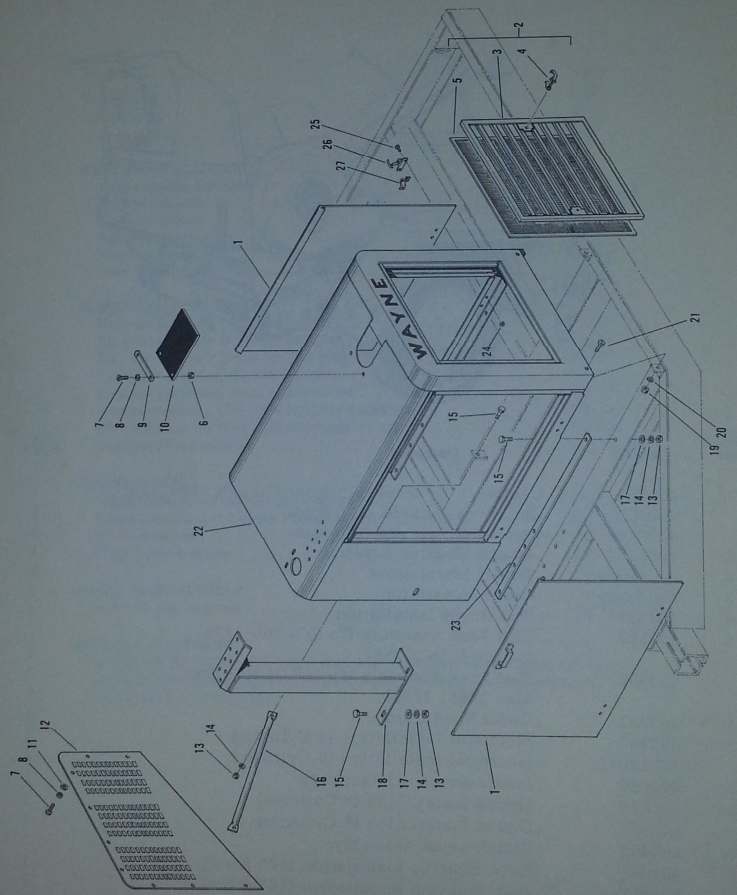


Figure 2

Fig-Item Number	Part Number	Description	No Req'd
2-	400277	.Engine Housing Assembly	Ref
1	401743	..Door	2
2	400595	..Grille Assembly	1
3	402322	...Grille	1
4	210811	...Latch	2
5	402965	...Screen	1
6	30703	..Nut, 1/4"-20 Hex	2
7	39616	..Screw, 1/4"-20 x 1/2" Truss Hd.	11
8	26206	..Washer, 1/4" Lock	11
9	402589	..Strip, Radiator Access Cover	1
10	402590	..Cover, Radiator Access	1
11	35605	..Washer, 1/4" Flat	9
12	403273	..Panel, Rear	1
13	30599	..Nut, 3/8"-16 Hex	11
14	30605	..Washer, 3/8" Lock	11
15	34423	..Screw, 3/8"-16 x 1" Hex Hd. Cap	11
16	403536	..Rod, Support	1
17	38266	..Washer, 3/8" Flat	9
18	403514	..Pedestal	1
19	30617	..Nut, 5/16"-18 Hex	2
20	30373	..Washer, 5/16" Lock	2
21	403197	..Screw, 5/16"-18 x 1" Truss Hd.	2
22	403519	..Cover	1
23	403517	..Spacer, Engine House	1
24	36860	..Nut, #10-24 Hex	16
25	900083	..Screw, #10-24 x 1/2" Oven Hd.	16
26	31109	..Latch	4
27	47474	..Clip, Latch	4

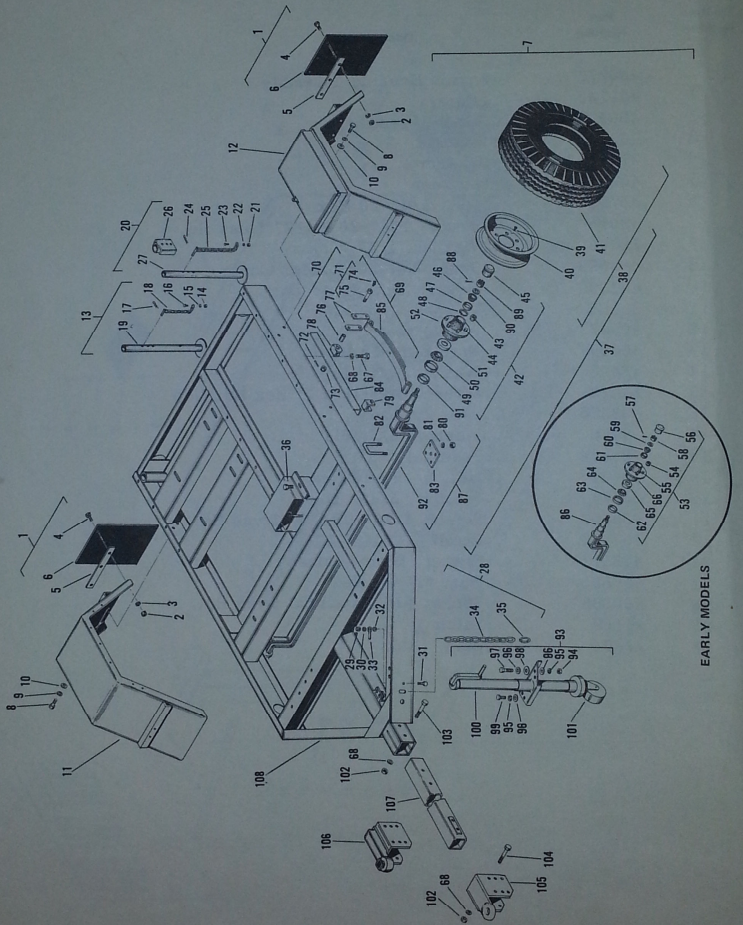


Figure 3

Fig-Item Number	Part Number	Description	No Req'd
3-	No Number	.Trailer Installation	Ref.
1	401140	..Mud Flap Assembly	Opt.
2	30617	...Nut, 5/16"-18 Hex	6
3	30373	...Washer, 5/16" Lock	6
4	30483	...Screw, 5/16"-18 x 3/4" Hex Hd. Cap	6
5	401139	...Plate, Flap	2
6	401138	...Flap, Rubber	2
7	400276	..Trailer Assembly	1
8	34423	...Screw, 3/8"-16 x 1" Hex Hd. Cap	8
9	30605	...Washer, 3/8" Lock	8
10	38266	...Washer, 3/8" Flat	8
11	400696	...Fender-R.H.	1
12	401091	...Fender, W/Tool Box-L.H.	1
13	400812	...Rear Rest Assembly-R.H.	1
14	23598	....Nut, #10-24 Hex	1
15	35604	....Washer, #10 Lock	1
16	36859	....Screw, #10-24 x 3/4" Truss Hd. Machine	1
17	600951	....Pin, 3/32" x 1-7/8" Cotter	1
18	400541	....Chain W/Pin	1
19	400513	....Pipe, Rest	1
20	401111	....Rear Rest Assembly-L.H.	Opt.
21	23598	....Nut, #10-24 Hex	1
22	35604	....Washer, #10 Lock	1
23	36859	....Screw, #10-24 x 3/4" Truss Hd. Machine	1
24	600951	....Pin, 3/32" x 1-7/8" Cotter	1
25	400541	....Chain W/Pin	1
26	403167	....Support, Rest Pipe	1
27	400513	....Pipe, Rest	1
28	403387	...Safety Chain Assembly	2
29	38896	....Nut, 1/4"-20 Hex	1
30	30643	....Washer, 1/4" Lock	1
31	33125	....Screw, 1/4"-20 x 1" Hex Hd. Cap	1
32	35605	....Washer, 1/4" Flat	1
33	401403	....Pin	2
34	891427-66	....Chain	1
35	403308	....Link, Connecting	1
36	81618	....Screw, 3/8"-16 x 5/8" Hex Hd. Cap	1
37	403722	...Trailer Assembly	1
38	402081	....Tire Assembly	2

Fig-Item Number	Part Number	Description	No Req'd
3-39	402055	.....Stem, Valve	1
40	401958	.....Wheel	1
	402654-1	.....Wheel, W/Lock Ring (Heavy Duty)	Opt.
41	NS	.....Tire, 7.00 x 15-6 Ply	1
42	403170-1	....Hub Assembly (Current Models- 1-1/4" I.D. & 1-5/8" I.D. Cones)	2
43	401467	.....Nut, 1/2" -20 Cone Lock	6
44	402851	.....Bolt, Wheel	6
45	402852	.....Cap, Dust	1
46	401472	.....Cone, Bearing-Outer (1-1/4" I.D.)	1
47	402858	.....Cup, Bearing-Outer	1
48	402853	.....Ring, Snap	1
49	403187	.....Seal, Grease	1
50	403186	.....Cone, Bearing-Inner (1-5/8" I.D.)	1
51	403185	.....Cup, Bearing-Inner	1
52	403189	.....Hub	1
53	401159	....Hub Assembly (Early Models- 1-1/4" I.D. & 1-11/16" I.D. Cones)	2
54	401467	.....Nut, 1/2" -20 Cone Lock	6
55	401466	.....Bolt, Wheel	6
56	401470	.....Cap, Dust	1
57	32936	.....Pin, 1/8" x 1-1/2" Cotter	1
58	401471	.....Nut, Slotted Hex	1
59	401469	.....Washer, Key	1
60	401472	.....Cone, Bearing-Outer (1-1/4" I.D.)	1
61	402858	.....Cup, Bearing-Outer	1
62	401475	.....Collar	1
63	401474	.....Seal, Grease	1
64	401473	.....Cone, Bearing-Inner (1-11/16" I.D.)	1
65	402857	.....Cup, Bearing-Inner	1
66	401468	.....Hub	1
67	31457	....Screw, 5/8" -11 x 1-1/2" Hex Hd. Cap	1
68	31146	....Washer, 5/8" Lock	4
69	400622	....Spring Assembly-L.H.	8
	400681	....Spring Assembly-R.H.	1
70	401158	.....Spring Mounting Assembly	1
71	402868	......Shackle Bolt Assembly	1
72	31495	.......Pin, 1/8" x 1" Cotter	6
			1

Fig-Item Number	Part Number	Description	No Req'd
3-73	402872	.....Nut, 9/16"-18 Hex Castle	1
74	30288	.....Fitting, 1/8" x 90° Grease	1
75	NS	.....Bolt, Shackle	1
76	403060	.....Bushing	2
77	402869	.....Link	4
78	403048	.....Hanger, Spring-Rear	2
79	402866	.....Hanger, Spring-Front	2
80	403061	.....Nut, 9/16" -18 Hex	8
81	39319	.....Washer, 9/16" Lock	8
82	403193	.....U-Bolt, 2-1/16" x 6-1/2"	4
83	402867	.....Plate, Spring Mounting	2
84	400655	.....Support Axle Mounting-L.H.	1
	400654	.....Support Axle Mounting-R.H.	1
85	401157	.....Spring, 26" Leaf	1
86	401356	....Axle (Early Models)	1
87	403169	....Axle Assembly (Current Models)	1
88	32936	.....Pin, 1/8" x 1-1/2" Cotter	2
89	401471	.....Nut, Slotted Hex	2
90	401469	.....Washer, Key	2
91	403495	.....Collar	2
92	NS	.....Axle	1
93	*NS	....Rest Wheel Assembly (To S/N 300-2412, Except 2405)	1
	402366	....Rest Wheel Assembly (From S/N 300-2413, Also 2405)	1
94	30599	.....Nut, 3/8" -16Hex	2
95	30605	.....Washer, 3/8" Lock	4
96	38266	.....Washer, 3/8" Flat	6
97	601502	.....Screw, 3/8" -16 x 2-1/4" Hex Hd. Cap	2
98	30557	.....Washer, 3/8" Flat	1
99	34423	.....Screw, 3/8"-16 x 1" Hex Hd. Cap	2
100	**NS	.....Rest, Wheel (To S/N 300-2412, Except 2405)	1
	403520	.....Rest, Wheel (From S/N 300-2413, Also 2405)	1

* When Replacing Rest Wheel Assembly on Early Models Order 402366.

** When Replacing Wheel Rest on Early Models Order 403520

Fig-Item Number	Part Number	Description	No Req'd
3-101	402397	.....Caster (To S/N 300-2412, Except 2405)	1
	403530	.....Caster (From S/N 300-2413, Also 2405)	1
102	32945	....Nut, 5/8" -18 Hex Stop	4
103	38599	....Screw, 5/8" -18 x 5" Hex Hd. Cap	2
104	403504	....Screw, 5/8" -18 x 4-1/2" Hex Hd. Cap	2
105	400854	....Hitch, 3" I.D. Pintle Eye	1
	400740	....Hitch, 2" I.D. Pintle Eye	Opt.
	401142	....Hitch, 2-1/2" I.D. Pintle Eye	Opt.
106	400851	....Hitch, 2" Diameter Ball	Opt.
107	400689	....Adapter, Telescoping	1
108	400321	....Frame	1

CHUTE INSTALLATION

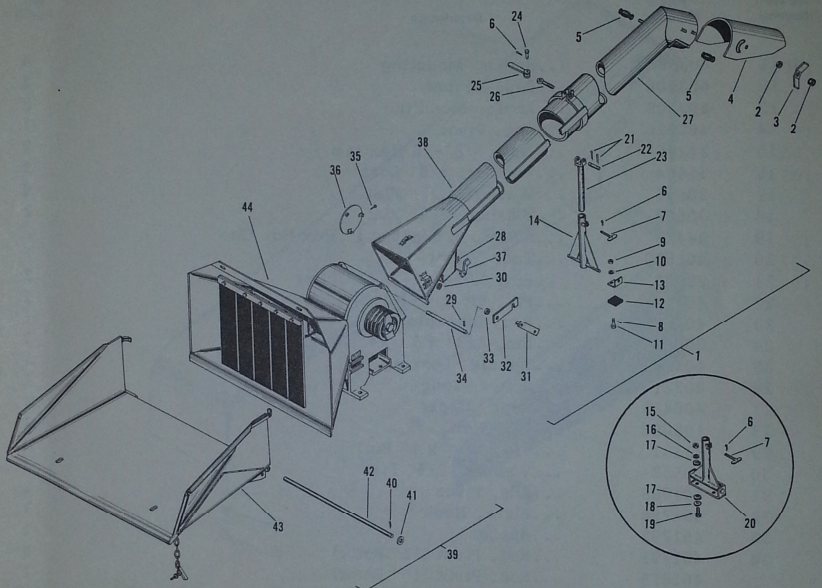


Fig-Item Number	Part Number	Description	No Req'd
4-	No Number	.Chute Installation	Ref
1	401844	..Disposal Chute Assembly (12" Rotor)	1
	401844-1	..Disposal Chute Assembly (16" Rotor)	1
2	23885	...Nut, 3/8"-16 Stop	3
3	400661	...Handle, Deflector	1
4	402406	...Deflector	1
5	602972	...Handle Grip	2
6	900004	...Pin, 1/16" x 3/4" Cotter	2
7	400470	...Screw, Locking	1
8	32937	...Pin, 3/32" x 1" Cotter	4
9	403527	...Nut, 3/8"-16 Hex Scotted	4
10	30557	...Washer, 3/8" Flat	4

Figure 4

Fig-Item Number	Part Number	Description	No Req'd
			4
4-11	403507	...Screw, Mounting	2
12	403506	...Pad, Rubber	2
13	403508	...Angle, Mounting	1
14	403516	...Leg, Pivot	2
15	24256	...Nut, 3/8"-16 Hex Jam	2
16	35404	...Washer, 3/8" Lock	4
17	30595	...Washer, 1/2" Flat	2
18	30557	...Washer, 3/8" Flat	2
19	34423	...Screw, 3/8"-16 x 1" Hex Hd. Cap	1
20	401609	...Tube, Pivot	2
21	32936	...Pin, 1/8" x 1-1/2" Cotter	1
22	400467	...Pin, Pivot	1
23	401611	...Rod, Extension	1
24	30928	...Pin, 3/8" x 1-1/4" Clevis	1
25	403209	...Handle, Locking	1
26	403214	...Screw, Toggle	1
27	400458	...Tube, Upper	1
28	105096	...Pin, Hair	4
29	81131	...Pin, 1/4" x 1" Roll	2
30	30558	...Washer, 5/8" Flat	2
31	401788	...Arm, Pivot	1
32	401798	...Plate, Hook	1
33	401792	...Spacer	1
34	401791	...Rod, Pivot (12" Rotor)	1
	401875	...Rod, Pivot (16" Rotor)	A/R
35	105701	...Screw, #10-24 x 5/8" Self Drill	A/R
36	403540	...Cover, Blower Outlet	1
37	401989	...Bracket, Pivot	1
38	401590	...Tube, Lower (12" Rotor)	1
	401590-1	...Tube, Lower (16" Rotor)	1
39	402340	..Feed Chute Assembly	2
40	32936	...Pin, 1/8" x 1-1/2" Cotter	2
41	36726	...Washer, 3/4" Flat	1
*42	403493	...Shaft, Pivot	1
43	402339	...Chute, Feed	Ref
44	401951	...Housing, Rotor-12" (See Fig. 15)	Ref
	401951-1	...Housing, Rotor-16" (See Fig. 15)	

* When Ordering Item 42 On Units Prior to S/N 300-2415, Also Order Items 40 & 41.

BELT GUARD INSTALLATION

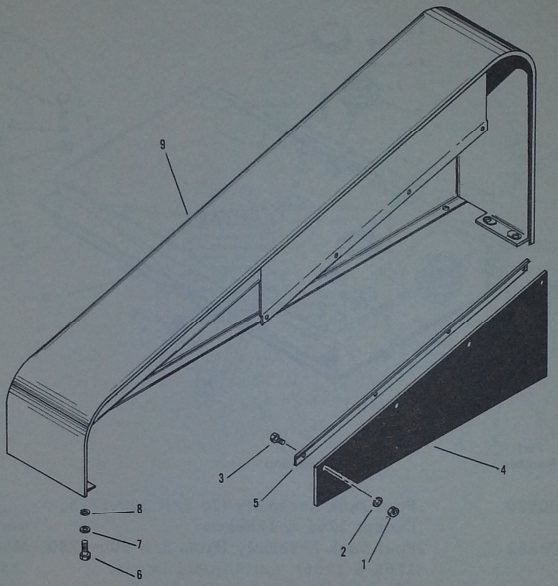


Fig-Item Number	Part Number	Description	No Req'd
5-	402197	.Belt Guard Installation	Ref
1	30703	..Nut, 1/4"-20 Hex	4
2	30643	..Washer, 1/4" Lock	4
3	900114	..Screw, 1/4"-20 x 3/4" Truss Hd. Cap	4
4	402967	..Flap, Belt Guard	1
5	402966	..Strip, Back-up	1
6	34423	..Screw, 3/8"-16 x 1" Hex Hd. Cap	6
7	38266	..Washer, 3/8" Flat	6
8	30605	..Washer, 3/8" Lock	6
9	400543	..Guard, Belt	1

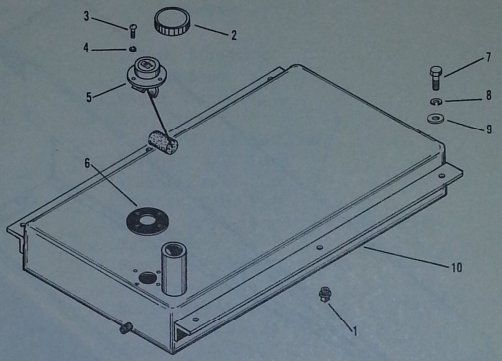
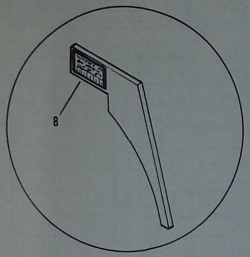


Fig-Item Number	Part Number	Description	No Req'd
6-	400520	.Fuel Tank Assembly (To S/N 300-1779, Except 1765 & 1766)	Ref
	403362	.Fuel Tank Assembly (From S/N 300-1780, Also 1765 & 1766)	Ref
1	30131	..Plug, 1/2"	1
2	36093	..Cap, Fuel	1
3	23551	..Screw, #6 x 1/2" Sheet Metal	4
4	35261	..Washer, #6 Lock	4
5	400521	..Gauge, Fuel (To S/N 300-1779, Except 1765 & 1766)	1
	403361	..Gauge, Fuel (From S/N 300-1780, Also 1765 & 1766; To S/N 300-2354)	1
	403494	..Gauge, Fuel (From S/N 300-2355)	1
6	601305	..Gasket, Fuel	1
7	34423	..Screw, 3/8"-16 x 1" Hex Hd. Cap	4
8	30605	..Washer, 3/8" Lock	4
9	38266	..Washer, 3/8" Flat	4
10	400522	..Tank, Fuel (To S/N 300-1779, Except 1765 & 1766)	1
	403354	..Tank, Fuel (From S/N 300-1780, Also 1765 & 1766)	1

Figure 6



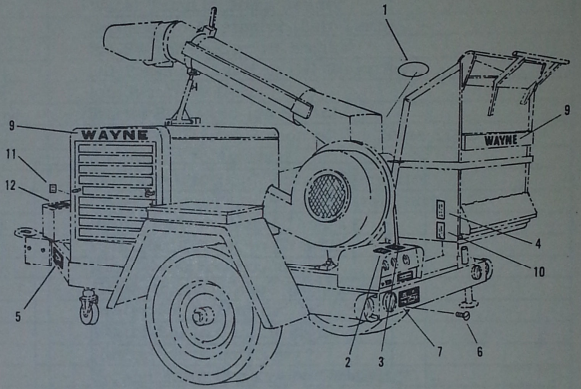


Fig-Item Number	Part Number	Description	No Req'd
7-	403233	.Decal Installation	Ref
1	47869	..Decal, Wayne Global	1
2	401815	..Decal, Cutter Knife	1
3	401137	..Decal, Clutch Lever	1
4	400694	..Decal, Bearing Lube	1
5	NS	..Decal, Federal Spec.	1
6	32980	..Screw, #4 x 1/4" Sheet Metal	4
7	NS	..Name Plate, Serial Number	1
8	400868	..Decal, Gauge Knife	1
9	403492	..Decal, Wayne	2
10	400699	..Decal, Hydraulic Safety Brake	Opt.
11	48967	..Decal, Water Pump Switch	Opt.
12	401001	..Decal, Water	Opt.
	403466	.Kit, Decal (Incls. Item 1-4, 8-12)	A/R

WAYNE

ELECTRICAL SCHEMATIC
TO S/N 300-2245

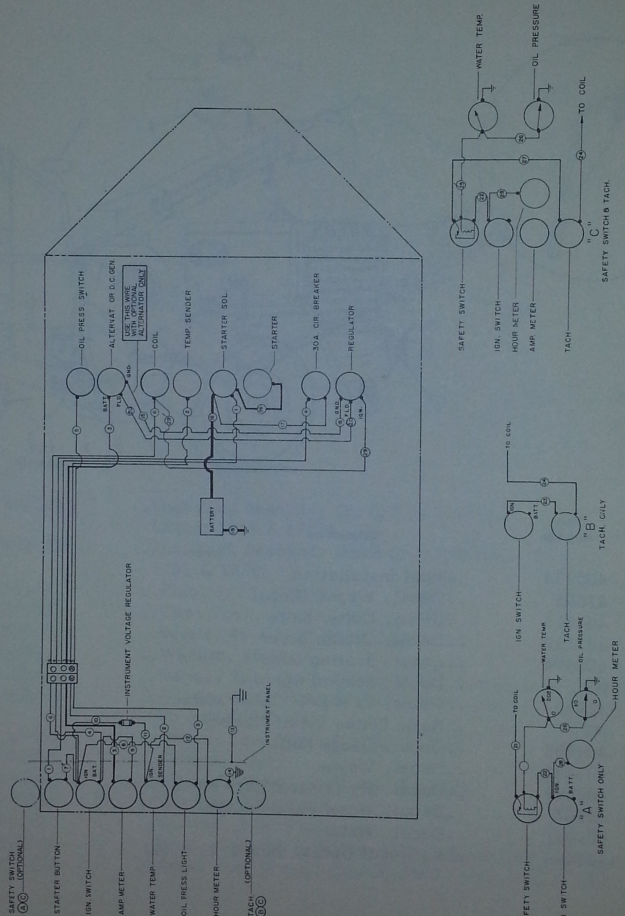


Figure 8
(1 of 2)

No.	Wire Size	Color Code	Description
1	14 Ga	Yellow	Starter Button to Starter Solenoid
2	16 Ga	Blue	Water Temp to Temp Sender
3	10 Ga	Blue	Ammeter to Alternator (Batt Term)
4	10 Ga	Red	Ign Switch to Circuit Breaker
5	16 Ga	Green	Oil Pressure Light to Oil Press Sw
6	16 Ga	Black	Ign Switch to Coil
7	16 Ga	Yellow	Starter Button to Ign Switch
8	16 Ga	Red	Ign Sw or Starter Button to Oil Press Light
9	10 Ga	Red	Ign Switch to Ammeter
10	16 Ga	Blue	Ign Switch to Instr Voltage Regulator
11	16 Ga	Blue	Instr Voltage Regulator to Water Temp
12	16 Ga	Black	Hour Meter to Water Temp
13	16 Ga	Black	Instrument Panel to Ground
14	16 Ga	Black	Hour Meter to Ground
15	14 Ga	Blue	Alternator to Voltage Reg (Gnd)
16	4 Ga	Red	Starter Sol to Starter
17	10 Ga	Blue	Starter Sol to Circuit Breaker
18	4 Ga	Red	Starter Sol to Battery
19			Ground Strap (Battery to Ground)
20	14 Ga	Green	Alternator to Regulator (Fld)
21	16 Ga	Black	* Safety Switch to Coil
22	16 Ga	Red	* Safety Switch to Ign Switch
23	16 Ga	White	* Tachometer to Ign Switch
24	16 Ga	Black	* Tachometer to Coil
25	20 Ga	Black	* Safety Sw to Temp Gauge
26	20 Ga	Black	* Temp Gauge to Oil Press Gauge
27	16 Ga	Black	* Safety Sw to Tachometer
28	16 Ga	Black	* Ign Sw to Hour Meter
29	16 Ga	White	Voltage Regulator to Coil
30	16 Ga	Red	Trailer Plug to LH Direct Light
31	16 Ga	White	Trailer Plug to RH Direct Light
32	16 Ga	Blue	Trailer Plug to Stop Lights
33	16 Ga	Black	Trailer Plug to Tail & Clear Lights
34	16 Ga	Green	Trailer Plug to Ground
35	12 Ga	White	** Trailer Plug to Electric Brakes
36	12 Ga	Black	** Trailer Plug to Electric Brakes

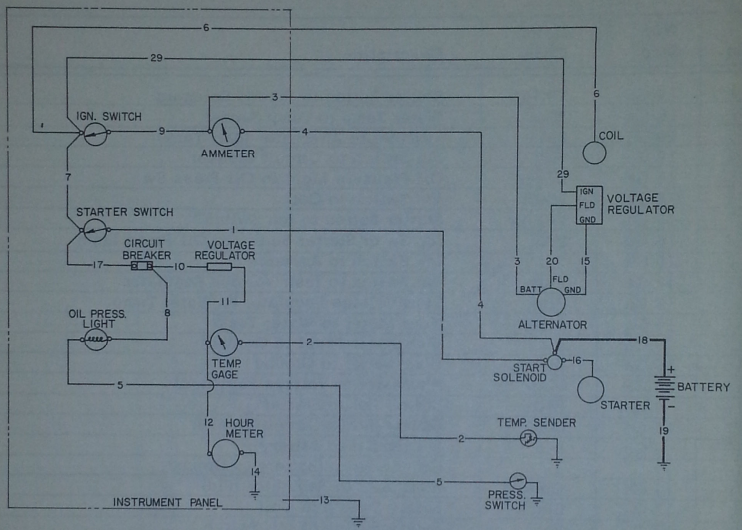
* Optional Equipment

** Optional Electric Brakes, Wires Taped To Standard Harness.

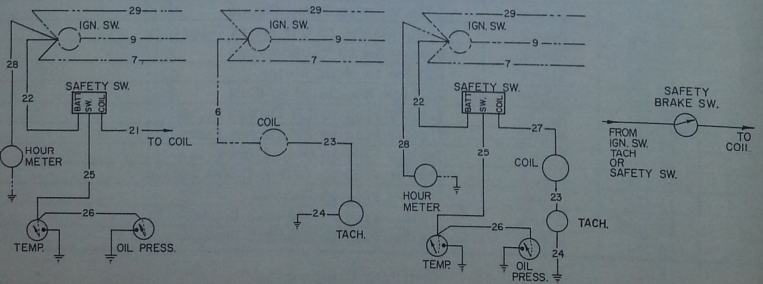
Figure 8 (2 of 2)

WAYNE

ELECTRICAL SCHEMATIC
FROM S/N 300-2246
TO S/N 300-2595



BASIC SCHEMATIC



SAFETY SWITCH ONLY | TACH. ONLY | SAFETY SW. & TACH. | SAFETY BRAKE

Figure 8A
(1 of 2)

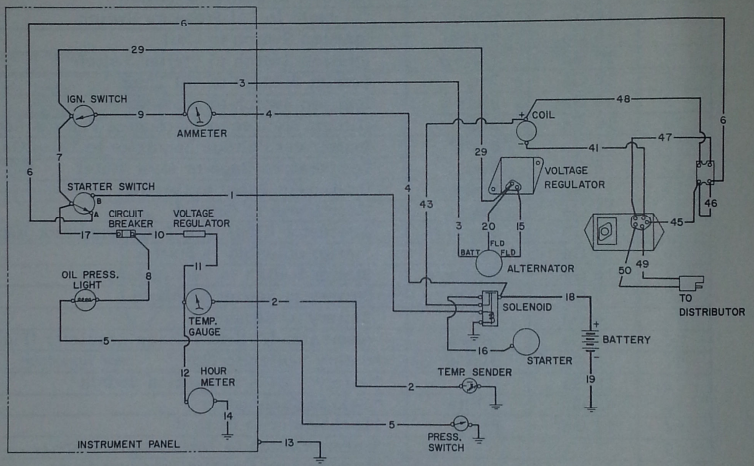
FROM S/N 300-2246
TO S/N 300-2595

No	Wire Size	Color Code	Description
1	14 Ga	Yellow	Starter Switch to Starter
2	16 Ga	Blue	Temperature Gage to Temperature Sender
3	10 Ga	Blue	Ammeter to Alternator (Batt)
4	10 Ga	Red	Ammeter to Starter Solenoid
5	16 Ga	Green	Oil Light to Oil Pressure Switch
6	16 Ga	Black	Ignition Switch to Coil
7	16 Ga	Yellow	Ignition Switch to Starter Switch
8	16 Ga	Red	Circuit Breaker to Oil Light
9	10 Ga	Blue	Ignition Switch to Ammeter
10	16 Ga	Blue	Circuit Breaker to Instrument Voltage Regulator
11	16 Ga	Black	Instrument Voltage Regulator to Temp Gage
12	16 Ga	Black	Temperature Gage to Hour Meter
13	16 Ga	Black	Instrument Panel to Ground
14	16 Ga	Black	Hour Meter to Ground
15	14 Ga	Blue	Alternator (Gnd) to Voltage Regulator (Gnd)
16	4 Ga	Red	Starter Solenoid to Starter
17	16 Ga	Yellow	Starter Switch to Circuit Breaker
18	4 Ga	Red	Battery to Starter Solenoid
19	4 Ga	Red	Battery to Ground
20	14 Ga	Green	Alternator (Fld) to Voltage Regulator (Fld)
21	16 Ga	Black	*Safety Switch to Coil
22	16 Ga	Red	*Safety Switch to Ignition Switch
23	32 Ga	White	*Coil to Tachometer
24	12 Ga	Black	*Tachometer to Ground
25			*Safety Switch to Temperature Gage
26			*Temperature Gage to Pressure Gage
27	16 Ga	Black	*Safety Switch to Tachometer
28	16 Ga	Black	*Ignition Switch to Hour Meter
29	16 Ga	Orange	Ignition Switch to Voltage Regulator (Ign)
30	16 Ga	Red	Trailer Plug to L.H. Directional Light
31	16 Ga	White	Trailer Plug to R.H. Directional Light
32	16 Ga	Blue	Trailer Plug to Stop Lights
33	16 Ga	Black	Trailer Plug to Tail & Clearance Lights
34	10 Ga	Black	Trailer Plug to Ground (Lights)
35	10 Ga	Red	**Trailer Plug to R.H. Electric Brake
36	10 Ga	Red	**Electric Brake to Tap of Line 35
37	10 Ga	Blue	**Breakaway Switch to Battery
38	10 Ga	Red	**Breakaway Switch to Tap of Line 35

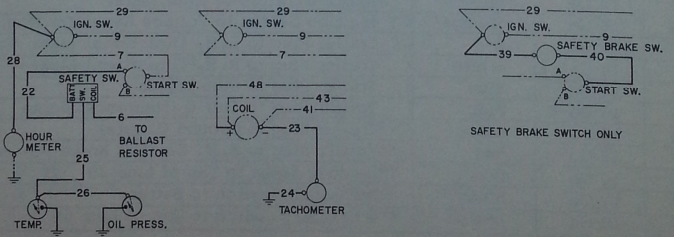
*Optional Equipment

**Optional Electric Brakes, Wire Taped To Standard Harness.

Figure 8A (2 of 2)



BASIC SCHEMATIC



LINE	COLOR	GAUGE	FUNCTION
1	YELLOW	14	START SWITCH TO START SOLENOID (I)
2	BLUE	16	TEMPERATURE GAUGE TO SENDER
3	BLUE	10	AMMETER TO ALTERNATOR (BATTERY)
4	RED	10	AMMETER TO START SOLENOID
5	GREEN	16	OIL LIGHT TO OIL PRESSURE SWITCH
6	BLACK	16	START SWITCH TO BALLAST RESISTOR
7	YELLOW	16	IGNITION SWITCH TO START SWITCH
8	RED	16	CIRCUIT BREAKER TO OIL LITE
9	RED	10	IGNITION SWITCH TO AMMETER
10	BLUE	16	CIRCUIT BREAKER TO INSTRUMENT VOLT. REGULATOR
11	BLACK	16	INSTRUMENT VOLT. REGULATOR TO TEMP. GAUGE
12	BLACK	16	TEMPERATURE GAUGE TO HOUR METER
13	BLACK	16	INSTRUMENT PANEL TO GROUND
14	BLACK	16	HOURMETER TO GROUND
15	YELLOW	16	ALTERNATOR (FLD.) TO VOLT REGULATOR
16	RED	4	START SOLENOID TO STARTER
17	YELLOW	16	START SWITCH TO CIRCUIT BREAKER
18	RED	4	BATTERY TO START SOLENOID
19	RED	4	BATTERY TO GROUND
20	RED	16	ALTERNATOR (FLD.) TO VOLT. REGULATOR
22	RED	16	SAFETY SWITCH TO STARTER SWITCH
23	WHITE	16	TACHOMETER TO COIL (–)
24	BLACK	16	TACHOMETER TO GROUND
25	FURN.		SAFETY SWITCH TO TEMPERATURE GAUGE
26	FURN.		TEMPERATURE GAUGE TO PRESSURE GAUGE
28	BLACK	16	IGNITION SWITCH TO HOURMETER
29	ORANGE	16	IGNITION SWITCH TO VOLT. REGULATOR
30	RED	16	TRAILER PLUG TO L.H. DIRECTIONAL LIGHT
31	WHITE	16	TRAILER PLUG TO R.H. DIRECTIONAL LIGHT
32	BLUE	16	TRAILER PLUG TO STOP LIGHTS
33	BLACK	16	TRAILER PLUG TO TAIL, CLEAR
34	BLACK	10	TRAILER PLUG TO GROUND
35	RED	10	TRAILER PLUG TO R.H. BRAKE
36	RED	10	BRAKE TO TAP OF LINE 35
37	BLUE	10	BREAKAWAY SWITCH TO BATTERY
38	RED	10	BREAKAWAY SWITCH TO TAP OF LINE 35
39	YELLOW	16	IGNITION SWITCH TO SAFETY BRAKE SWITCH
40	YELLOW	16	SAFETY BRAKE SWITCH TO STARTER SWITCH
41	BLACK	16	CONTROL UNIT TO COIL (–)
43	BROWN	14	START SOLENOID (I) TO COIL (+)
45	LT. BLUE	16	CONTROL UNIT TO BALLAST RESISTOR
46	BLACK	16	BALLAST RESISTOR JUMPER
47	DK. GREEN	16	CONTROL UNIT TO BALLAST RESISTOR
48	BROWN	14	BALLAST RESISTOR TO COIL (+)
49	GRAY	16	CONTROL UNIT TO DISTRIBUTOR
50	BROWN	16	CONTROL UNIT TO DISTRIBUTOR

Figure 8B
(2 of 2)

TRAILER PLUG WIRING

Pin	Line	Color	Ga.	Function
1	30	Red	16	Directional Light–L.H.
2	31	White	16	Directional Light–R.H.
3	32	Blue	26	Stop Light
4	33	Black	16	Tail Lights & Clearance
*5	36	Red	10	Electric Brakes (Optional)
6	34	Black	10	Trailer Plug to Ground

*Used With Optional Electric Brakes

Figure 9

Fig-Item Number	Part Number	Description	No Req'd
9-	403190	.Electrical Installation (6 Cylinder)	Ref
	403190-1	.Electrical Installation (8 Cylinder)	Ref
1	403116	..Light Assembly	1
2	36859	...Screw, #10-24 x 3/4" Truss Hd. Slotted	26
3	403120	...Connector	19
4	42532	...Light, Clearance-Amber	4
5	48852	....Lens, Amber	1
6	42533	...Light, Clearance-Red	4
7	48853	....Lens, Red	1
8	36564	....Bulb, Clearance Light	1
9	35600	...Screw, #10 x 3/8" Rd. Hd. Sheet Metal (Std.)	4
10	35604	...Washer #10 Lock	4
11	101663	...Lamps, Red-Triple Bar	1
12	403157	...Tag, Identification	1
13	400884	...Plug, 6 Prong	1
14	52402	...Reflector, Red	4
15	52401	...Reflector, Amber	4
16	30703	...Nut, 1/4"-20 Hex	2
17	33125	...Screw, 1/4"-20 x 1" Hex Hd. Cap	2
18	30643	...Washer, 1/4" Lock	2
19	35605	...Washer, 1/4" Flat	2
20	41123	...Holder, License Plate	1
21	402515	....Bulb	1
22	610842	...Connector, Butt	1
23	39551	...Light, Tail & Stop	2
24	48536	....Retainer, Lens	1
25	48535	....Lens, Red	1
26	461897	....Bulb	1
27	103139	...Light, Turn Signal-Red	2
28	403144	....Bulb	1
29	36860	...Nut, #10-24 Keps	2
30	24491	...Clamp, Loop	2
31	890758-60	...Loom, 3/16" I.D. x 60"	1
32	890758-40	...Loom, 3/16" I.D. x 40"	1
33	893810-75	...Wire, 16 Ga. x 75" Black	3
34	893810-90	...Wire, 16 Ga. x 90" Black	1
35	403119	...Tubing	1
36	403115	...Harness, Lights	1



Fig-Item Number	Part Number	Description	No Req'd
9-37	34474	...Grommet	3
38	35955	...Grommet	2
39	34533	...Grommet	1
40	30617	...Nut, 5/16"-18 Hex	4
41	30373	...Washer, 5/16" Lock	4
42	34800	...Screw, 5/16"-18 x 5/8" Hex Hd. Cap	4
43	106582	...Guard, Turn Signal	2
44	403126	..Electrical Assembly-Engine & Battery (6 Cylinder) See Fig. 10	1
	403125	..Electrical Assembly-Engine & Battery (8 Cylinder) See Fig. 10	1

ELECTRICAL INSTALLATION
FROM S/N 300-2246

TRAILER PLUG WIRING

Pin	Line	Color	Ga.	Function
1	30	Red	16	Directional Light—L.H.
2	31	White	16	Directional Light—R.H.
3	32	Blue	26	Stop Light
4	33	Black	16	Tail Lights & Clearance
*5	36	Red	10	Electric Brakes (Optional)
6	34	Black	10	Trailer Plug to Ground

*Used With Optional Electric Brakes

0378

402790

Figure 9A

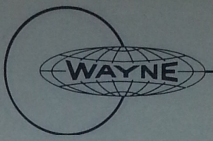


Fig-Item Number	Part Number	Description	No Req'd
9A-	403190	.Electrical Installation (6 Cylinder)	Ref
	403190-1	.Electrical Installation (8 Cylinder)	Ref
1	403116	..Light Assembly	1
2	36859	...Screw, #10-24 x 3/4" Truss Hd. Slotted	42
3	403120	...Connector	19
4	42532	...Light, Clearance-Amber	4
	48852	....Lens, Amber	1
	36564	....Bulb, Clearance Light	1
5	42533	...Light, Clearance-Red	4
	48853	....Lens, Red	1
	36564	....Bulb, Clearance Light	1
6	35600	...Screw, #10 x 3/8" Rd. Hd. Sheet Metal	4
7	35604	...Washer, #10 Lock	4
8	101663	...Lamps, Red-Triple Bar	1
9	462089	...Tag, Identification	1
10	400884	...Plug, 6 Prong	1
11	215499	...Reflector, Red	4
12	215500	...Reflector, Amber	4
13	30703	...Nut, 1/4"-20 Hex	2
14	30643	...Washer, 1/4" Lock	2
15	35605	...Washer, 1/4" Flat	2
16	33125	...Screw, 1/4"-20 x 1" Hex Hd. Cap	2
17	610842	...Connector, Butt	1
18	41123	...Holder, License Plate	1
	402515	....Bulb	1
19	39551	...Light, Tail & Stop	2
	48536	....Retainer, Lens	1
	48535	....Lens, Red	1
	461897	....Bulb	1
20	30617	...Nut, 5/16"-18 Hex	4
21	30373	...Washer, 5/16" Lock	4
22	34800	...Screw, 5/16"-18 x 5/8" Hex Hd. Cap	4
23	106582	...Guard, Turn Signal	2
24	103139	...Light, Turn Signal-Red	2
	403144	....Bulb	1
25	36860	...Nut, #10-24 Keps	3
26	24491	...Clamp, Loop	3

Fig-Item Number	Part Number	Description	No Req'd
9A-27	608477	...Screw, 1/4"-20 x 3/4" Seff Drill	4
28	34473	...Clip	4
29	890758-60	...Loom, 3/16" I.D. x 60"	1
30	890758-40	...Loom, 3/16" I.D. x 40"	1
31	893810-75	...Wire, 16 Ga. x 75" Black	3
32	893810-90	...Wire, 16 Ga. x 90" Black	1
33	403115	...Harness, Light	1
34	36392	...Grommet	3
35	35955	...Grommet	2
36	34533	...Grommet	1
37	403487	..Electrical Assembly-Engine & Battery (6 Cylinder) See Fig. 10a	1
	403486	..Electrical Assembly-Engine & Battery (8 Cylinder) See Fig. 10a & 10b	1

WAYNE

ELECTRICAL ASSEMBLY ENGINE & BATTERY

TO S/N 300-2245

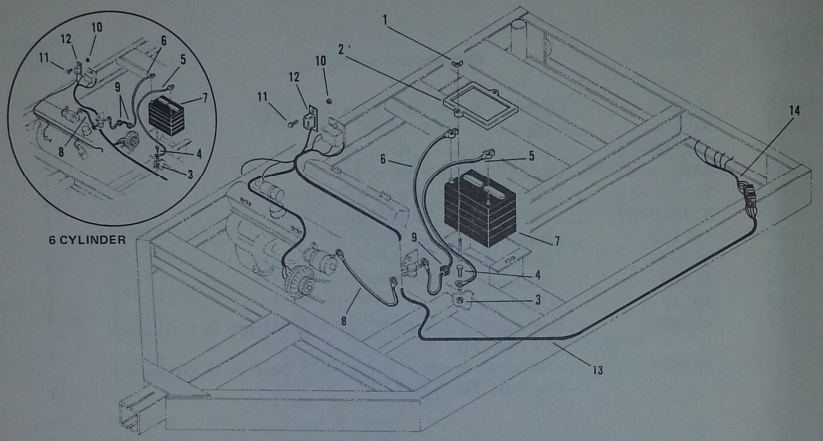


Fig-Item Number	Part Number	Description	No Req'd
10-	403126	..Electrical Assembly-Engine & Battery (6 Cylinder)	Ref
	403125	..Electrical Assembly-Engine & Battery (8 Cylinder)	Ref
1	30680	...Nut, 1/4"-Wing	2
2	608307	...Hold-Down, Battery	1
3	30617	...Nut, 5/16"-18 Hex	1
4	34122	...Screw, 5/16"-18 x 1/2" Hex Hd.	1
5	26913	...Cable, Ground	1
6	605024	...Cable, Battery (6 Cylinder)	1
	900814	...Cable, Battery (8 Cylinder)	1
7	NS	...Battery	1
8	26915	...Cable, Battery (6 Cylinder)	1
	403410	...Cable, Battery (8 Cylinder)	1
9	34474	...Grommet	2
10	23598	...Nut, #10-24 Hex	2
11	900083	...Screw, #10-24 x 1/2" Hex Hd. Cap	2
12	49893	...Circuit Breaker, 15 Amp.	1
13	403407	...Harness, Engine (6 Cylinder)	1
	403408	...Harness, Engine (8 Cylinder)	1
14	403140	...Harness, Instruments	1

Figure 10

ELECTRICAL ASSEMBLY ENGINE & BATTERY

FROM S/N 300-2246
TO S/N 300-2595

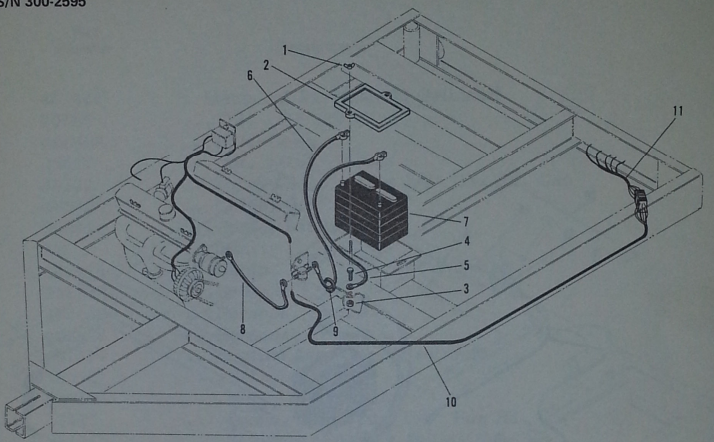


Fig-Item Number	Part Number	Description	No Req'd
10A-	403487	..Electrical Assembly-Engine & Battery (6 Cylinder)	Ref
	403486	..Electrical Assembly-Engine & Battery (8 Cylinder)	Ref
1	30680	...Nut, 1/4"-20 Wing	2
2	608307	...Hold-Down Battery	1
3	30617	...Nut, 5/16"-18 Hex	1
4	34122	...Screw, 5/16"-18 x 1/2" Hex Hd. Cap	1
5	403409	...Cable, Ground	1
6	605024	...Cable, Battery (6 Cylinder)	1
	900814	...Cable, Battery (8 Cylinder)	1
7	NS	...Battery	1
8	26915	...Cable, Solenoid To Starter (6 Cylinder)	1
	403410	...Cable, Solenoid To Starter (8 Cylinder)	1
9	34474	...Grommet	1
10	403490	...Harness, Engine (6 Cylinder)	1
	403488	...Harness, Engine (8 Cylinder)	1
11	403489	...Harness, Instruments	1

Figure 10A

WAYNE

ELECTRICAL ASSEMBLY
ENGINE & BATTERY
FROM S/N 300-2596

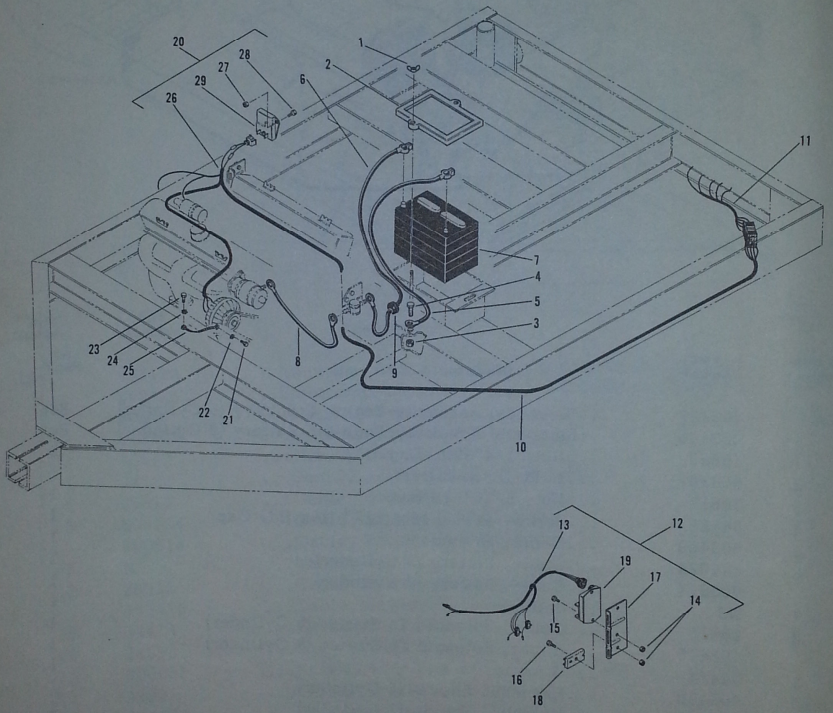


Figure 10B

Fig-Item Number	Part Number	Description	No Req'd
10B-	403486	..Electrical Assembly (8 Cylinder)	Ref.
1	30680	...Nut, 1/4" -20 Wing	2
2	608307	...Hold-Down	1
3	30617	...Nut, 5/16" -18 Hex	1
4	34122	...Screw, 5/16" -18 x 1/2" Hex Hd. Cap	1
5	403409	...Cable, Ground	1
6	900814	...Cable, Battery	1
7	NS	...Battery	1
8	403410	...Cable, Assy Solenoid To Starter	1
9	34474	...Grommet	1
10	403488	...Harness, Engine	1
11	403489	...Harness, Instruments	1
12	403574	...Ignition Assembly, Electronic	1
13	55052	....Harness	1
14	900105	....Nut, 1/4" -20 Keps	3
15	26205	....Screw, 1/4" -20 x 5/8" Hex Hd. Cap	2
16	33125	....Screw, 1/4" -20 x 1" Hex Hd. Cap	1
17	55053	....Angle	1
18	55051	....Resistor, Ballast	1
19	55050	....Control Unit, Electronic	1
20	403575	...Regulator Assembly, Voltage	1
21	34800	.....Screw, 5/16" -18 x 5/8" Hex Hd. Cap	1
22	23805	....Washer, 5/16" Lock	1
23	43561	....Screw, 3/8" -16 x 5/8" Hex Hd. Cap	1
24	35404	....Washer, 3/8" Lock	1
25	891113-10	....Strap	1
26	55080	....Harness	1
27	900105	....Nut, 1/4" -20 Keps	2
28	26205	....Screw, 1/4" -20 x 5/8" Hex Hd. Cap	2
29	214741	....Regulator, Voltage	1



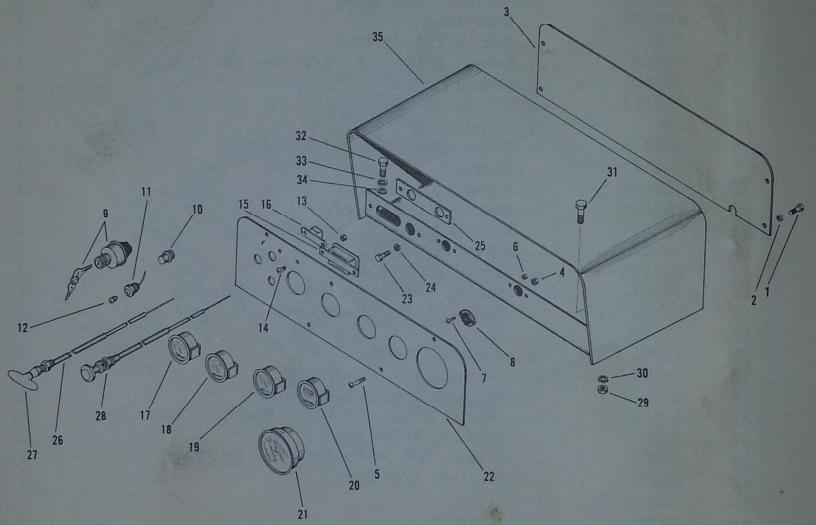


Fig-Item Number	Part Number	Description	No Req'd
11-	400020	.Instrument Panel Assembly	Ref
1	31428	..Screw, 1/4"-20 x 1/2" Hex Hd. Cap	4
2	30643	..Washer, 1/4" Lock	4
3	400092	..Cover, Instrument Panel Back	1
4	401446	..Nut, #8-32 Coneloc	4
5	401175	..Screw, #8-32 x 1-1/2" Truss Hd. Machine	4

Figure 11

Fig-Item Number	Part Number	Description	No Req'd
11- 6	900104	..Nut, #6-32 Keps	8
7	401174	..Screw, #6-32 x 1/2" Truss Hd. Machine	8
8	401176	..Mount, Shock	4
9	30376	..Switch, Ignition W/Keys	1
10	55128	..Button, Starter	1
11	42099	..Light, Pilot	1
12	48866	..Bulb, Light	1
13	900103	..Nut, #8-32 Hex Keps	3
14	23639	..Screw, #8-32 x 1/2" Machine	3
15	49300	..Regulator, Voltage	1
16	49892	..Breaker, 10 Amp.Circuit	1
17	106942	..Gauge, Temperature	1
18	49301	..Gauge, Ammeter	1
19	401579	..Oil Pressure Gauge Assembly	Opt.
	106943	...Gauge, Oil Pressure 0-80#	1
	106941	...Sender, Oil Pressure	1
	401584	...Wire, 16 Ga. x 36" Green	1
	401585	...Loom, 3/16" I.D. x 36"	1
	610842	...Connector, Terminal	1
	30580	...Terminal, Ring	5
20	48518	..Meter, Hour	1
21	40366	..Tachometer-6 Cylinder	Opt.
	40367	..Tachometer-8 Cylinder (To S/N 300-2440)	Opt.
	215624	..Tachometer-8 Cylinder (From S/N 300-2441)	Opt.
22	401172	..Panel, Instrument Mounting	1
23	34122	..Screw, 5/16" - 18 x 1/2" Hex Hd. Cap	2
24	30373	..Washer, 5/16" Lock	2
25	401125	..Plate, Choke & Throttle Mounting	1
26	402644	..Cable, Throttle W/Handle	1
27	213683	...Handle, W/O Cable	1
28	400090	..Cable, Choke	1
29	30596	..Nut, 1/2" -13 Hex	1
30	30592	..Washer, 1/2" Lock	1
31	33150	..Screw, 1/2" -13 x 1-1/4" Hex Hd. Cap	1
32	34423	..Screw, 3/8" -16 x 1" Hex Hd. Cap	2
33	30605	..Washer, 3/8" Lock	2
34	38266	..Washer, 3/8" Flat	2
35	401178	..Panel, Instrument	1

WAYNE

ENGINE INSTALLATION
8 CYLINDER
EARLY MODELS

Figure 12

Fig-Item Number	Part Number	Description	R
12-	402970	.Engine Installation, LH-318 V-8	1
1	402952	..Radiator Assembly	
2	39166	...Clamp, 1-1/16" x 2" Hose	
3	402513	...Hose, Lower	
4	47499	...Clamp, 2-1/8" Hose	
5	402961	...Hose, Upper	
6	30599	...Nut, 3/8" -16 Hex	1
7	30605	...Washer, 3/8" Lock	1
8	30557	...Washer, 3/8" Flat	1
9	31438	...Screw, 3/8" -16 x 1" Hex Hd. Cap	1
10	402951	...Support, Radiator - L.H.	
	402950	...Support, Radiator - R.H.	
11	41596	...Stopper	
12	30351	...Petcock	
13	36611	...Cap, Radiator	
14	402859	...Radiator	
15	900815	..Cable, Battery-Starter	
16	31672	..Cable, Battery-Ground	
17	26025	..Nut, 5/16" -18 Hex	
18	30373	..Washer, 5/16" Lock	
19	30489	..Washer, 5/16" Flat	
20	40810	..Bolt, 5/16" -18 x 9-1/2" Battery Holddown	
21	27820	..Holddown, Battery	
22	NS	..Battery, 12-Volt - 55 Amp. - 54 Plate	
23	402955	..Air Cleaner Installation	
24	604913-4	...Cover, Air Cleaner	
25	604913-3	...Filter, Air Cleaner	
26	604913-2	...Gasket, Air Cleaner	
27	402954	...Base, Air Cleaner	
28	401503	...Stud, Air Cleaner	
29	30703	..Nut, 1/4" -20 Hex	
30	30643	..Washer, 1/4" Lock	
31	33145	..Screw, 1/4" -20 x 3/4" Hex Hd. Cap	
32	401687	..Clamp	
33	401688	..Angle	
34	402300	..Cap, Weather	
35	402301	..Pipe	
36	401666	..Muffler	
37	401686	..Bracket	

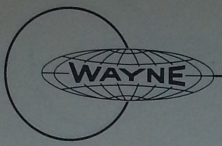


Fig-Item Number	Part Number	Description	No Req'd
12- 38	402940	..Tube	1
39	35087	..Nut,5/16" -18 Brass Hex	4
40	31434	..Screw, 5/16" -18 x 1-1/4" Hex Hd. Cap	4
41	49837	..Flange	1
42	402939	..Tube, Exhaust	2
43	23598	..Nut, #10-24 Hex	2
44	35604	..Washer, #10 Lock	2
45	38198	..Screw, #10-24 x 1-1/4" Rd. Hd.	2
46	602056	..Clamp, Throttle	1
47	403081	..Bracket, Throttle	1
48	30251	..Plug, 3/8"	1
49	106949	..Sender, Temp.	1
50	50293	..Filter, Oil	1
51	402875	..Fuel Line Assembly	1
52	402923	..Elbow	1
53	402922	..Tube, Oil	1
54	402924	..Connector	1
55	402935	..Tee	1
56	402936	..Ell, 1/8" x 90^{O} Street	1
57	400864	..Switch, Oil Pressure	1
58	402919	..Governor	1
59	211023	..V -Belt, Fan	1
60	402910	..Fan Assembly	1
61	50208	...Screw, 5/16"-18 x 1-3/4" Hex Hd. Cap	4
62	30373	...Washer, 5/16" Lock	4
63	402909	...Fan	1
64	50203	...Spacer	1
65	50204	...Pulley, Fan	1
66	50288	..Pulley, Engine	1
67	50269	..Carburetor	1
68	36821	..Circuit Breaker	1
69	601727	..Regulator, Voltage	1
70	39047	..Screw, 3/8" -16 x 4-1/2" Hex Hd. Cap	1
71	30605	..Washer, 3/8" Lock	1
72	36537	..Spacer	4
73	30483	..Screw, 5/16" -18 x 3/4" Hex Hd. Cap	1
74	402959	..Plate, Adjusting	1
75	30594	..Nut, 7/16" -14 Hex	1
			2

Fig-Item Number	Part Number	Description	No Req'd
12-76	30499	..Washer, 7/16" Lock	2
77	31443	..Screw, 7/16" -14 x 1-1/2" Hex Hd. Cap	2
78	33147	..Screw, 3/8" -16 x 3/4" Hex Hd. Cap	2
79	401684	..Support, Generator	1
80	401699	..Pulley, Generator	1
81	601720	..Generator, 12 -Volt 16 -Amp.	1
82	34007	..Screw, 5/16" -18 x 2" Hex Hd. Cap	1
83	30599	..Nut, 3/8" -16 Hex	1
84	30557	..Washer, 3/8" Flat	1
85	31438	..Screw, 3/8" -16 x 1" Hex Hd. Cap	1
86	402962	..Support, Engine House	1
87	402612	..Belt, Power Band	1
88	38598	..Nut, 5/8" -11 Hex	2
89	31146	..Washer, 5/8" Lock	2
90	39540	..Screw, 5/8" -11 x 4" Hex Hd. Cap	2
91	31508	..Screw, 1/2" -13 x 1/2" Cup Pt. Set	1
92	400034	..Pulley	1
93	400837	..Screw, 9/16" -12 x 2" Hex Hd. Cap	1
94	39319	..Washer, 9/16" Lock	4
95	39311	..Screw, 9/16" -12 x 1-1/2" Hex Hd. Cap	3
96	400023	..Clutch Assembly (See Fig. 13)	1
97	39056	..Plug, Button	1
98	402930	..Boot, Clutch	1
99	38598	..Nut, 5/8" -11 Hex	2
100	35561	..Washer, 5/8" Flat	2
101	35069	..Screw, 5/8" -11 x 2-1/2" Hex Hd. Cap	2
102	30596	..Nut, 1/2" -13 Hex	6
103	30592	..Washer, 1/2" Lock	6
104	33150	..Screw, 1/2" -13 x 1-1/4" Hex Hd. Cap	4
105	400802	..Bracket, Engine Mounting - Rear	2
106	400839	..Clutch Assembly	1
107	51766	...Screw, Clutch	6
108	50508	...Pressure Plate Assembly	1
109	50507	...Disc, Clutch	1
110	900378	..Nut, 1/2" -13 Cone Lock Hex	1
111	33151	..Screw, 1/2" -13 x 1-1/2" Hex Hd. Cap	3
112	400283	..Mount, Engine - Front	1
113	402898	..Engine, LH 318	1

WAYNE

ENGINE INSTALLATION
8 CYLINDER
CURRENT MODELS

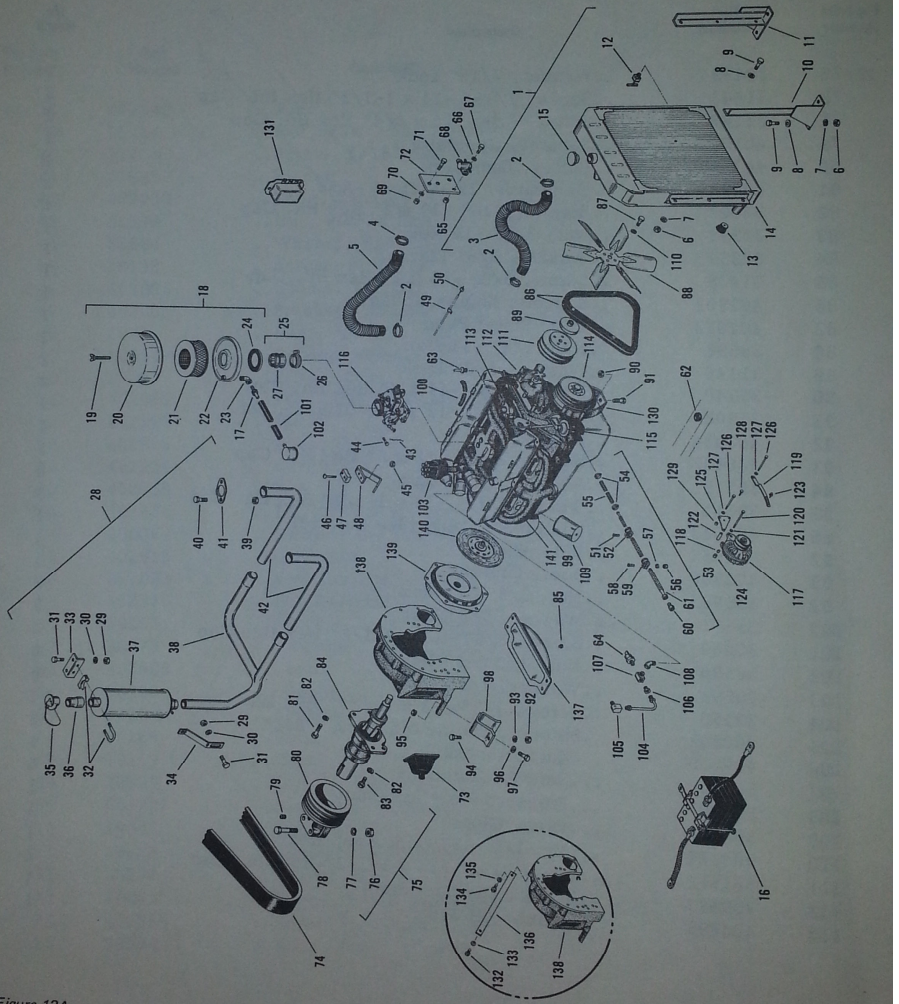


Figure 12A

Fig-Item Number	Part Number	Description	No Req'd
12A-	402970	.Engine Installation-L.H. 318 (8 Cylinder)	Ref
1	403305	..Radiator Assembly	1
2	39166	...Clamp, Hose	3
3	402513	...Hose, Radiator-Lower	1
4	47499	...Clamp, Hose	1
5	402961	...Hose, Radiator-Upper	1
6	30599	...Nut, 3/8"-16 Hex	10
7	30605	...Washer, 3/8" Lock	10
8	30557	...Washer, 3/8" Flat	10
9	31488	...Screw, 3/8"-16 x 1" Hex Hd. Cap	10
10	402950	...Support, Radiator-R.H.	1
11	402951	...Support, Radiator-L.H.	1
12	30351	...Petcock, Drain	1
13	41596	...Stopper, Adjustable	1
14	402859	...Radiator	1
15	36611	....Cap, Radiator	1
16	403486	..Electrical Assembly (See Fig. 10a)	Ref
17	34903	..Nipple, 3/8" x 5/8"	1
18	403292	..Air Cleaner Assembly	1
19	608452	...Stud, Wing	1
20	608454	...Cover	1
21	608455	...Element	1
22	403332	...Lower Body Assembly	1
23	8227	....Elbow, 3/8" x 90° Street	1
24	50336	...Gasket	1
25	401465	...Adapter & Clamp Assembly	1
26	401465-1	....Clamp	1
27	NS	....Adapter	1
28	402971	..Muffler Assembly	1
29	30703	...Nut, 1/4"-20 Hex	3
30	30643	...Washer, 1/4" Lock	3
31	900114	...Screw, 1/4"-20 x 3/4" Hex Hd. Cap	3
32	401687	...Clamp	1
33	401688	...Angle, Support	1
34	401686	...Bracket, Support	1
35	402300	...Cap, Weather	1
36	402301	...Pipe	1
37	401666	...Muffler	1

Fig-Item Number	Part Number	Description	No Req'd
12A-38	402940	...Pipe, Exhaust "Y"	1
39	30599	...Nut, 3/8"-16 Hex	8
40	33146	...Screw, 3/8"-16 x 2" Hex Hd. Cap	4
41	54317	...Flange, Exhaust Manifold	2
42	402939	...Pipe, Exhaust Engine	2
43	401038	..Wire, Safety	1
44	403480	..Screw, #12-24 x 1-1/4" Hex Hd. Cap	1
45	36860	..Nut, #10-24 Hex Lock	3
46	38198	..Screw, #10-24 x 1-1/4" Rd. Hd. Machine	2
47	602056	..Clamp, Throttle Cable	1
48	403081	..Bracket, Throttle	1
49	30651	..Clip, Cable	2
50	41146	..Stop, Throttle Cable	1
51	99335	..Screw, #10-24 x 1/2" Rd. Hd. Machine	1
52	102085	..Clamp, 1/2" Cushion	1
53	403323	..Fuel Line Assembly	1
54	53308	...Clamp, Hose	2
55	893507-15	...Hose	1
56	35603	...Nut, #10-32 Hex	1
57	35604	...Washer, #10 Lock	1
58	23668	...Screw, #10-32 x 3/4" Rd. Hd. Machine	1
59	34771	...Clamp, 1/2" Cushion	1
60	210909	...Connector, 1/4" x 5/16"	1
61	800036-46	...Tube Assembly, 5/16" x 46" Steel	1
	40376	...Nut, 5/16" Tube	1
	40375	...Sleeve, 5/16" Tube	1
	890115-43	...Loom	1
	890115-46	...Tube, 5/16" Steel x 46"	1
62	36392	..Grommet	1
63	106949	..Sender, Temperature	1
64	400864	..Switch, Oil Pressure	1
65	30703	..Nut, 1/4"-20 Hex	1
66	30643	..Washer, 1/4" Lcok	2
67	33145	..Screw, 1/4"-20 x 3/4" Hex Hd. Cap	2
68	47490	..Solenoid, Starter	2
69	30599	..Nut, 3/8"-16 Hex	1
70	30605	..Washer, 3/8" Lock	2
			2

Fig-Item Number	Part Number	Description	No Req'd
12A-71	33139	..Screw, 3/8"-16 x 1-1/4" Hex Hd. Cap	1
72	403365	..Plate, Solenoid Mounting	1
73	402930	..Boot, Clutch Release Fork	1
74	402612	..Belt, Power Band	1
75	402933	..Clutch & Pulley Assembly (See Fig.	1
76	38598	...Nut, 5/8"-11 Hex	2
77	31146	...Washer, 5/8" Lock	2
78	39540	...Screw, 5/8"-11 x 4" Hex Hd. Cap	2
79	31517	...Screw, 1/2"-13 x 1/2" Set	1
80	400034	...Pulley, Drive	1
81	400837	...Screw, 9/16"-12 x 2" Hex Hd. Cap	1
82	39319	...Washer, 9/16" Lock	4
83	39311	...Screw, 9/16"-12 x 1-1/2" Hex Hd. Cap	3
84	400023	...Clutch (See Fig 13)	1
85	39056	...Plug, Button	1
86	50265	..V-Belt, Fan & Alternator Drive (Matched set of 2)	1
87	50208	..Screw, 5/16"-18 x 1-3/4" Hex Hd. Cap	4
88	402909	..Fan	1
89	50203	..Spacer	1
90	900378	..Nut, 1/2"-13 Hex Lock	1
91	33151	..Screw, 1/2"-13 x 1-1/2" Hex Hd. Cap	1
92	30596	..Nut, 1/2"-13 Hex	4
93	30592	..Washer, 1/2" Lock	4
94	33150	..Screw, 1/2"-13 x 1-1/4" Hex Hd. Cap	4
95	38598	..Nut, 5/8"-11 Hex Lock	2
96	35561	..Washer, 5/8" Flat	2
97	35069	..Screw, 5/8"-11 x 2-1/2" Hex Hd. Cap	2
98	400802	..Bracket, Engine Rear Mount	2
99	403404	..Engine, L.H. 318 (8 Cylinder) To S/N 300-2595	1
	403568	..Engine, L.H. 318 (8 Cylinder) From S/N 300-2596	1
100	50388	...Hose	1
101	890588-10	...Hose	1
102	53723	...Cap, Breather	1
103	50355	...Distributor	1
	402914	...Gasket, Distributor	1
	402915	...Clamp, Distributor	1
104	402922	...Tube Assembly	1
105	402923	...Elbow	1
106	402924	...Connector	1
107	444132	...Tee	1



Fig-Item Number	Part Number	Description	No Req'd
12A-108	402936	...Ell	1
109	50293	...Filter, Oil	1
110	30373	...Washer, 5/16" Lock	11
111	50204	...Pulley, Fan	1
112	50634	...Water Pump Assembly	1
	50513	...Gasket, Water Pump	1
113	50359	...Outlet, Water	1
	50361	...Gasket, Water Outlet	1
114	50288	...Pulley, Crankshaft	1
115	50303	...Fuel Pump	1
	50304	...Gasket, Fuel Pump	1
	51606	...Elbow	1
	50271	...Tube Assembly	1
	50272	...Hose	2
	53003	...Filter, Fuel	1
	53002	...Tube Assembly	1
116	50269	...Carburetor	1
	50270	...Gasket, Carburetor	1
	49306	...Carburetor Repair Kit	A/R
	402919	...Governor	1
117	403212	...Alternator & Pulley	1
	403446	...Screw, Alternator Rect. End Shield Ground	1
118	403445	...Insert, Mounting	1
119	403211	...Strap, Adjusting	1
120	50318	...Bolt, Mounting	1
121	50319	...Spacer	1
122	50320	...Spacer	1
123	50323	...Screw & Washer	1
124	50321	...Spacer	1
125	50325	...Bracket, Mounting	1
126	403444	...Screw Bracket Mounting	2
128	403443	...Washer, Bracket Mounting	2
128	403442	...Screw, Bracket Mounting	1
129	50326	...Spacer	1
130	50306	...Support, Engine-Front	1
	50307	...Spacer	3
	50353	...Screw, 3/8"-16 x 3-3/4" Hex Hd. Cap	4
	30605	...Washer, 3/8" Lock	4

Fig-Item Number	Part Number	Description	No Req'd
12A-131	50380	...Regulator, Voltage (To S/N 300-2595)	1
132	31438	...Screw, 3/8"-16 x 1" Hex Hd. Cap	1
133	30557	...Washer, 3/8" Flat	1
134	34007	...Screw, 5/16"-18 x 2" Hex Hd. Cap	1
135	30373	...Washer, 5/16" Lock	1
136	402962	...Support, Engine Housing	1
137	NS	...Pan, Clutch Housing	1
138	NS	...Housing, Clutch	1
139	50508	...Clutch Cover & Pressure Plate Assembly	1
140	50507	...Clutch Driving Disc Assembly	1
141	54868	...Manifold, Exhaust-L.H.	1
	54869	...Manifold, Exhaust-R.H.	1
	53000	...Damper, Vibration	1
	402916	...Oil Pump & Distributor Drive Shaft Assembly	1
	50570	...Oil Pump & Distributor Drive Shaft	1
	50544	...Chain, Timing	1
	50543	...Key, Camshaft Sprocket	1
	50357	...Plate, Oil Filter Adapter	1
	50339	...Adapter, Oil Filter	1
	50358	...Gasket, Oil Filter	1
	52999	...Indicator, Timing	1
	50227	...Seal, Clutch Release Fork	1
	53658	...Gasket, Cylinder Head Cover	1
	50396	...Manual, Operating	2
142	53308	..Clamp	1

CLUTCH ASSEMBLY

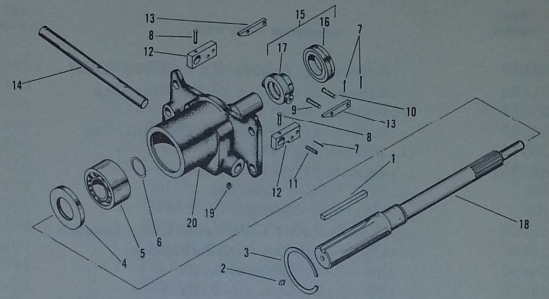


Fig-Item Number	Part Number	Description	No Req'd
13-	400023	..Clutch Assembly	Ref
1	891077-64	...Key, 5/8" Sq. x 4" Lg.	1
2	30287	...Fitting, 1/8" NPT Grease	1
3	400790	...Ring, Retaining	1
4	400789	...Plate, Labyrinth	1
5	400788	...Bearing	1
6	400787	...Ring, Retaining	1
7	31495	...Pin, 1/8" x 1" Cotter	6
8	400792	...Pin, 5/16" x 1-1/2" Clevis	2
9	400794	...Pin, 5/16" x 1-1/8" Clevis	2
10	401047	...Pin, 5/16" x 1-1/4" Clevis	2
11	601760	...Pin, 5/16" x 1" Roll	2
12	400796	...Lever, Main Shaft	2
13	400795	....Link, Bearing Carrier	2
14	400780	...Shaft, Actuating	1
15	401488	...Carrier Assembly	1
16	400784	....Bearing, Clutch Release	1
17	400786	....Carrier, Bearing	1
18	400783	...Shaft, Drive	1
19	33852	...Fitting, Grease	2
20	400782	...Housing, Clutch	1

Figure 13

CLUTCH LEVER ASSEMBLY

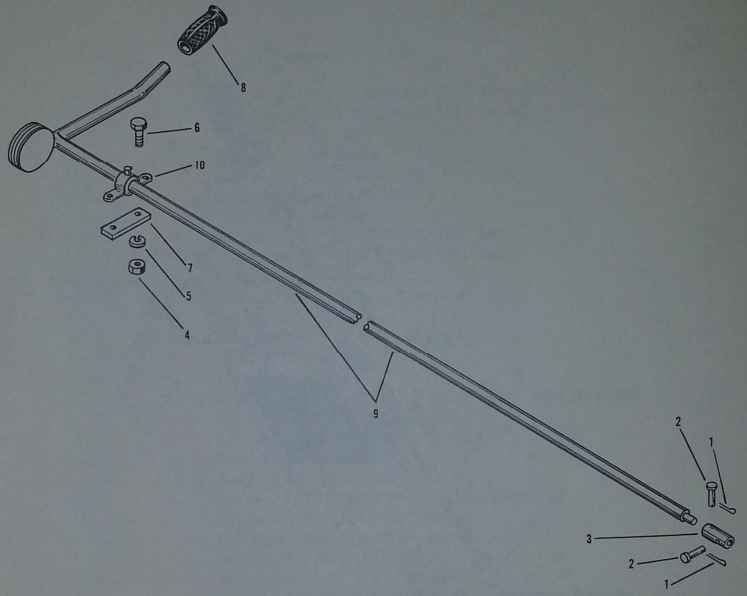


Fig-Item Number	Part Number	Description	No Req'd
14-	400492	.Clutch Lever Assembly	Ref
1	31495	..Pin, 1/8" x 1" Cotter	2
2	600845	..Pin, 3/8" x 1-13/32" Clevis	2
3	401553	..Coupling	1
4	30617	..Nut, 5/16"-18 Hex	2
5	30373	..Washer, 5/16" Lock	2
6	23087	..Screw, 5/16"-18 x 1-1/2"	2
7	400500	..Spacer, Plate	1
8	400198	..Handle, Rubber	1
9	400493	..Lever, Clutch	1
10	400700	...Pillow Block	1

0385

402790

Figure 14

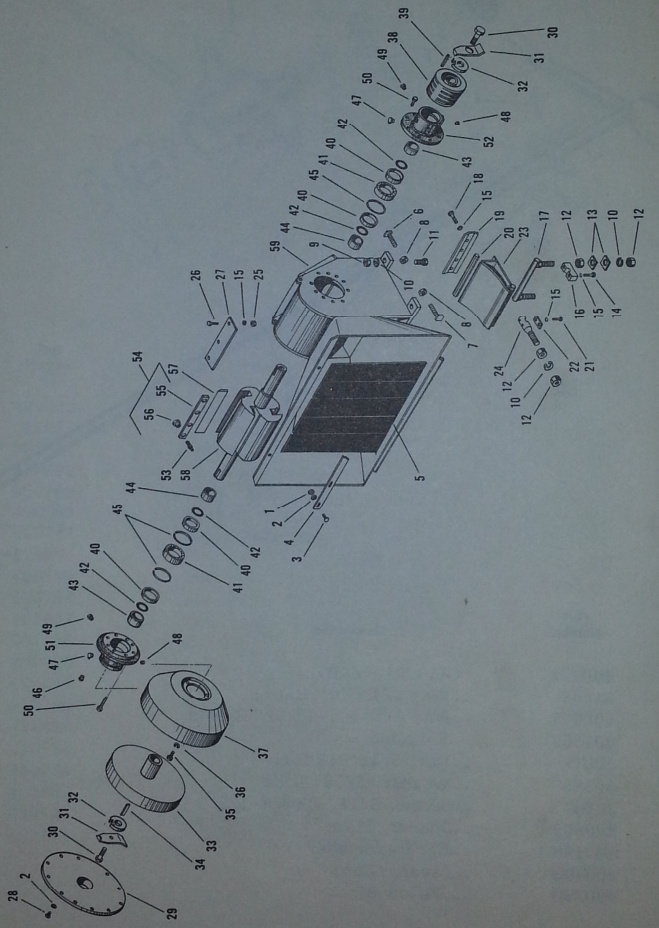


Figure 15

Fig-Item Number	Part Number	Description	No Req'd
15-	401951	.Rotor Housing Installation (12" Rotor)	Ref
	401951-1	.Rotor Housing Installation (16" Rotor)	Ref
1	30703	..Nut, 1/4"-20 Hex	10
2	30643	..Washer, 1/4" Lock	22
3	33125	..Screw, 1/4"-20 x 1" Hex Hd. Cap	10
4	402625	..Strip, Deflector Mounting	1
5	402624	..Deflector, Rubber	5
6	30593	..Screw, 1/2"-13 x 3" Sq. Hd. Set	2
7	401151	..Screw, 1/2"-13 x 4" Sq. Hd. Set	1
8	32523	..Nut, 1/2"-13 Hex Jam	3
9	30426	..Nut, 3/4"-10 Hex	4
10	31505	..Washer, 3/4" Lock	10
11	40769	..Screw, 3/4"-16 x 2" Hex Hd. Cap	4
12	81425	..Nut, 3/4"-16 Hex	8
13	400887	..Plate, Washer	4
14	403464	..Screw, 7/16"-14 x 2" Heat Treated Hex Hd. Cap	4
15	30499	..Washer, 7/16" Lock	16
16	401970	..Clamp, Pivot	2
17	401913	..Rod, Pivot (12" Rotor)	1
	401914	..Rod, Pivot (16" Rotor)	1
18	31443	..Screw, 7/16"-14 x 1-1/2" Hex Hd. Cap	5
19	401905	..Channel, Retainer (12" Rotor)	1
	401906	..Channel, Retainer (16" Rotor)	1
20	401922	..Bed Knife, Hex (12" Rotor)	1
	401922-1	..Bed Knife, Hex (16" Rotor)	1
21	45248	..Screw, 7/16"-14 x 1-3/4" Heat Treated Hex Hd. Cap	4
22	402032	..Plate, Washer	2
23	401850	..Plate, Feed (12" Rotor)	1
	401851	..Plate, Feed (16" Rotor)	1
24	402034	..Rod, Adjusting	2
25	30594	..Nut, 7/16"-14 Hex	3
26	23439	..Bolt, 7/16"-14 x 1-1/4" Carriage	3
27	401594	..Plate, Deflector (12" Rotor)	1
	401594-1	..Plate, Deflector (16" Rotor)	1
28	900030	..Screw, #10-24 x 1/2" Oven Hd. Machine	12
29	401874	..Cover Plate, Flywheel	1
30	600316	..Screw, 3/4"-16 x 2-1/2" Hex Hd. Cap	2
31	401954	..Plate, Lock	2
32	401871	..Washer, Key	2
33	401364	..Flywheel	1



Fig-Item Number	Part Number	Description	No Req'd
15-34	891077-97	..Key, 5/8" x 6-1/16"	1
35	401141	..Screw, 1/2"-20 x 3/4" Hex Hd. Cap	3
36	30592	..Washer, 1/2" Lock	3
37	400239	..Cover, Flywheel	1
38	400014	..Pulley, Driven	1
39	891077-55	..Key, 5/8" x 3-7/16"	1
40	400001	..Seal, Bearing	4
41	400626	..Bearing, Rotor Shaft	2
42	400035	..O-Ring, Rotor Shaft	4
43	400069	..Sleeve, Outer	2
44	400070	..Sleeve, Inner	2
45	400068	..Ring, Retainer	2
46	400997	..Plug, Plastic	3
47	400082	..Cover, Oil Hole	2
48	30131	..Plug, 1/2" Pipe	2
49	606000	..Gauge, Oil View	2
50	400430	..Bolt, 1/2"-20 x 60 Lug	2
51	400107	..End Cap, L.H.	20
52	400576	..End Cap, R.H.	1
53	400016	..Screw, Knife Locking	1
54	400094	..Lock Assembly, Gib (12" Rotor)	20
	400102	..Lock Assembly, Gib (16" Rotor)	4
55	400093	...Lock, Gib (12" Rotor)	4
	400101	...Lock, Gib (16" Rotor)	1
56	400015	...Insert, Threaded	1
57	400066	..Knife, Set of 4 (12" Rotor)	1
	400067	..Knife, Set of 4 (16" Rotor)	5
58	401952	..Rotor & Shaft (12" Rotor)	1
	401952-1	..Rotor & Shaft (16" Rotor)	1
59	401950	..Rotor Housing (12" Rotor)	1
	401950-1	..Rotor Housing (16" Rotor)	1
			1

OPTIONAL EQUIPMENT

FMC Corporation
Sweeper Division
1201 East Lexington Street
Pomona California 91766