

The following catalog has gaps in its page numbers, or doesn't have any numbers. We have chosen to leave the page numbering in the order that Acrobat assigns it.

PARTS CATALOG INDEX FOR TJ-180 AMP. AC WELDER SERIES

919-1008

FICHE LOCATION

ILLUSTRATION

1 A3 ***** DATA TABLE
1 A7 ***** CARRYING FRAME
1 A5 ***** CONTROL GROUP
1 A7 ***** DOLLY KIT (OPTIONAL)
1 A3 ***** GENERATOR GROUP

PARTS CATALOG

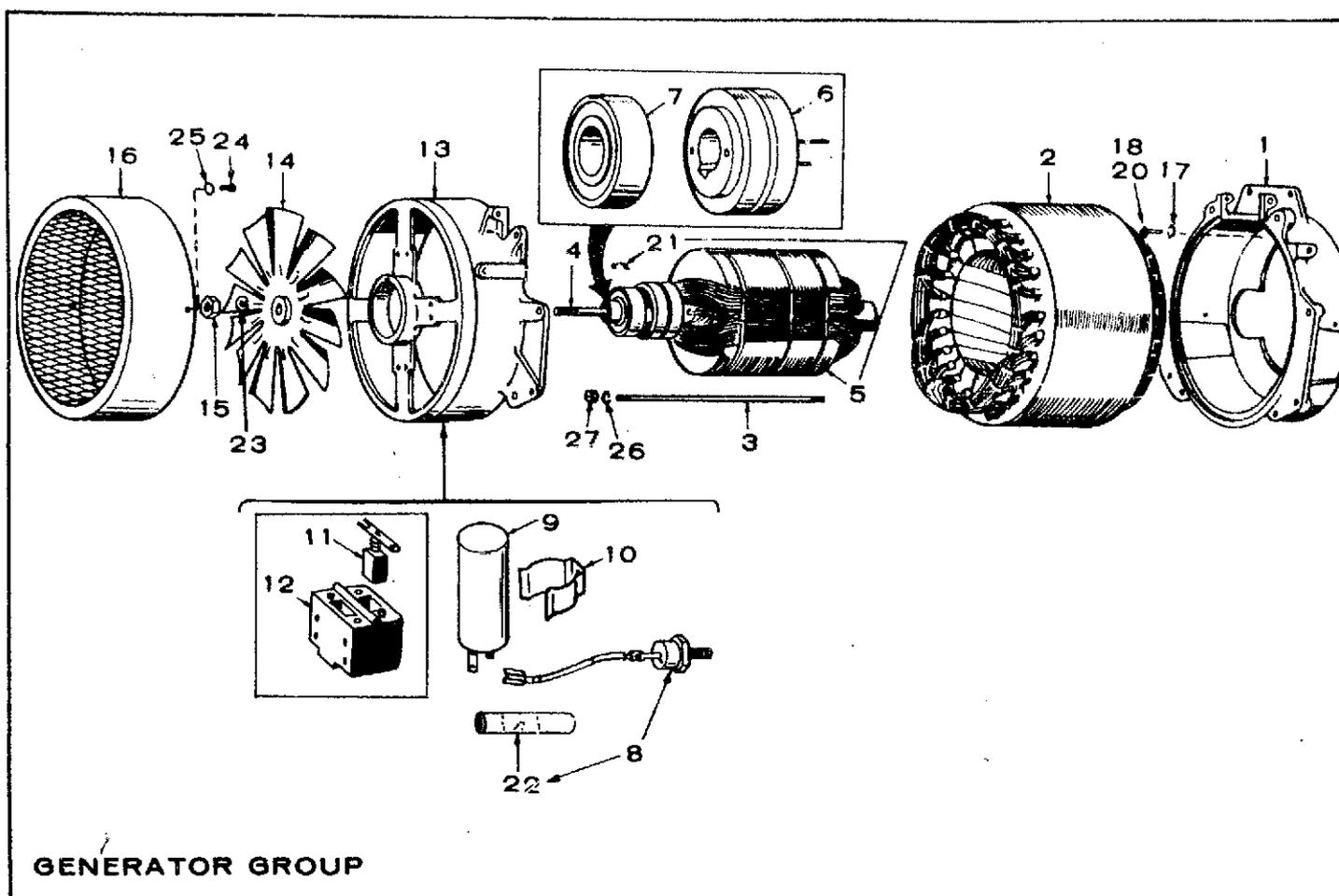
This catalog applies to the standard 180 ampere welder as listed in the Data Table below. Parts are arranged in groups of related items and each part is identified by a reference with a corresponding reference description. Part illustrations are typical. Unless otherwise mentioned in the description, parts are interchangeable between models. Right and left sides are determined by *facing* the engine end of the unit.

WELDER DATA TABLE

MODEL NO. AND SPECIFICATION	ELECTRICAL DATA						
	AC OUTPUT (For Welding)			AC OUTPUT, 1 Phase (Available continuously when not welding)			
	Amps	Volts	Duty Cycle	Watts	Volts	Hertz	Phase
5.0TJ - 343P/*	180	25	50%	5000	120/240	60	1
5.0TJ - 343E/*	180	25	50%	5000	120/240	60	1

* - The Specification Letter Advances (A to B, B to C, etc.) with manufacturing changes.

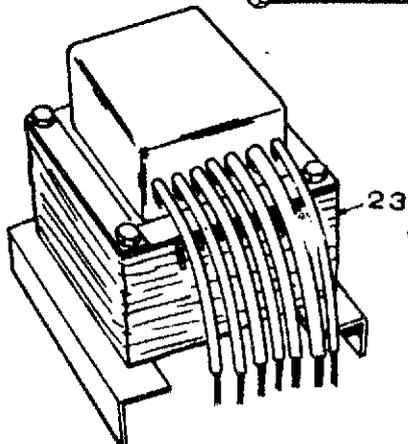
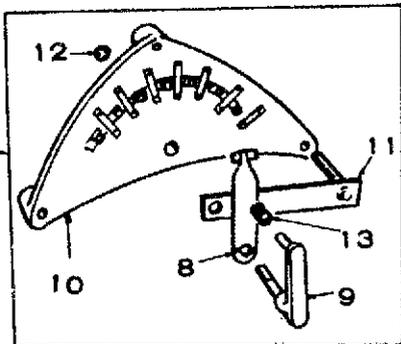
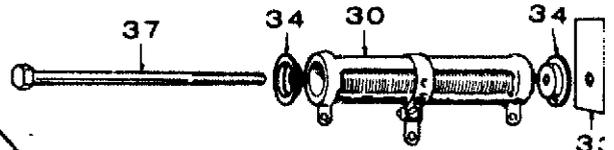
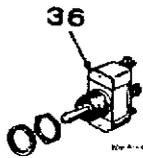
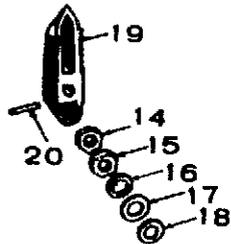
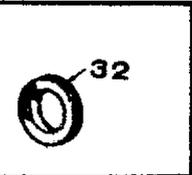
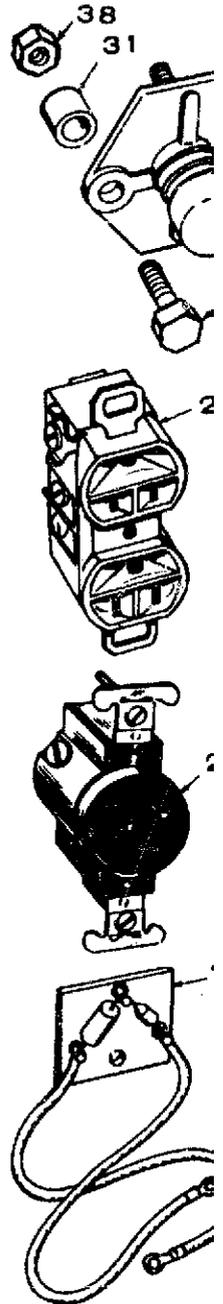
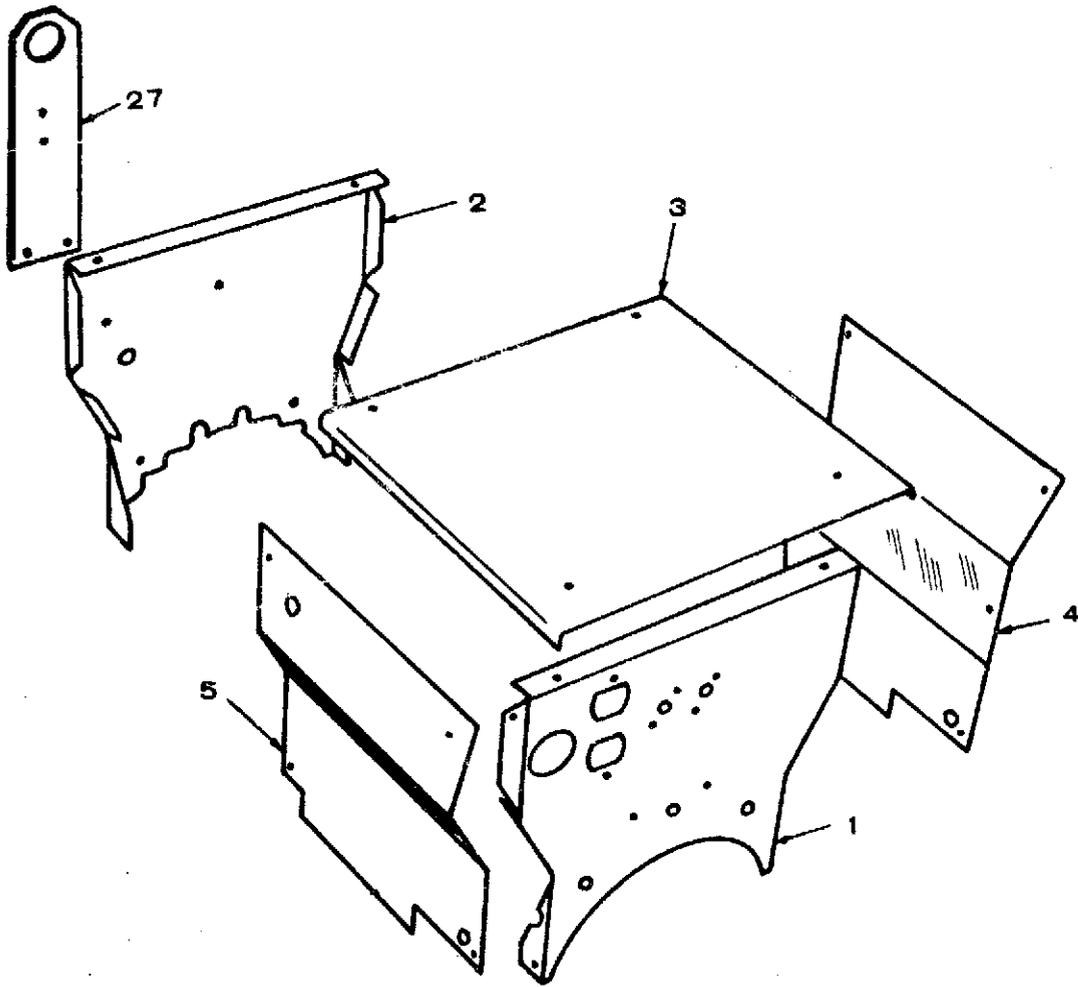
NOTE: Hertz is a unit of frequency equal to one cycle per second.



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	231-0180	1	Adapter, Generator to Engine
2	STATOR, WOUND		
	220-1340	1	Manual Start Models
	220-1501	1	Electric Start Models
3	520-0706	4	Stud, Generator Through
4	520-0833	1	Stud, Rotor Through
5	201-2294	1	Rotor, Wound
6	204-0109	1	Ring, Collector
7	510-0047	1	Bearing, Rotor (Double Sealed and Pre-lubricated)
8	RECTIFIER ASSEMBLY (Includes Connector)		
	305-0492	2	Manual Start Models
	305-0492	3	Electric Start Models
9	356-0035	2	Capacitor
10	518-0271	2	Clip, Capacitor Mounting
11	214-0059	2	Brush, Generator
12	212-1064	1	Holder, Brush
13	211-0182	1	Bell, End
14	205-0083	1	Fan, Alternator

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
15	862-0011	1	Nut (3/8-16), Rotor Through Stud
16	234-0305	1	Cover, Fan
17	850-0050	4	Washer (3/8"), Lock - Adapter Mounting
18	800-0049	4	Screw (3/8-16 x 7/8") - Adapter Mounting
21	232-0596	1	Clip, Bearing Stop
22	CONNECTOR		
	332-0556	2	Manual Start Models
	332-0556	3	Electric Start Models
23	850-0050	1	Washer (3/8"), Lock
24	812-0148	2	Screw (1/4-20 x 1/2"), Round Head - Fan Cover Mounting
25	850-0040	2	Washer (1/4"), Lock
26	850-0045	4	Washer (5/16"), Lock
27	862-0015	4	Nut (5/16-18)

CONTROL GROUP



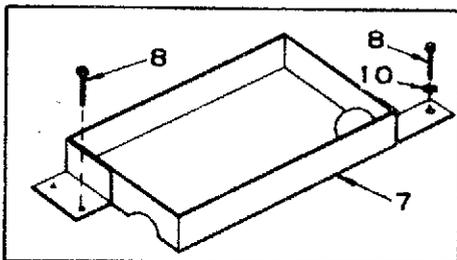
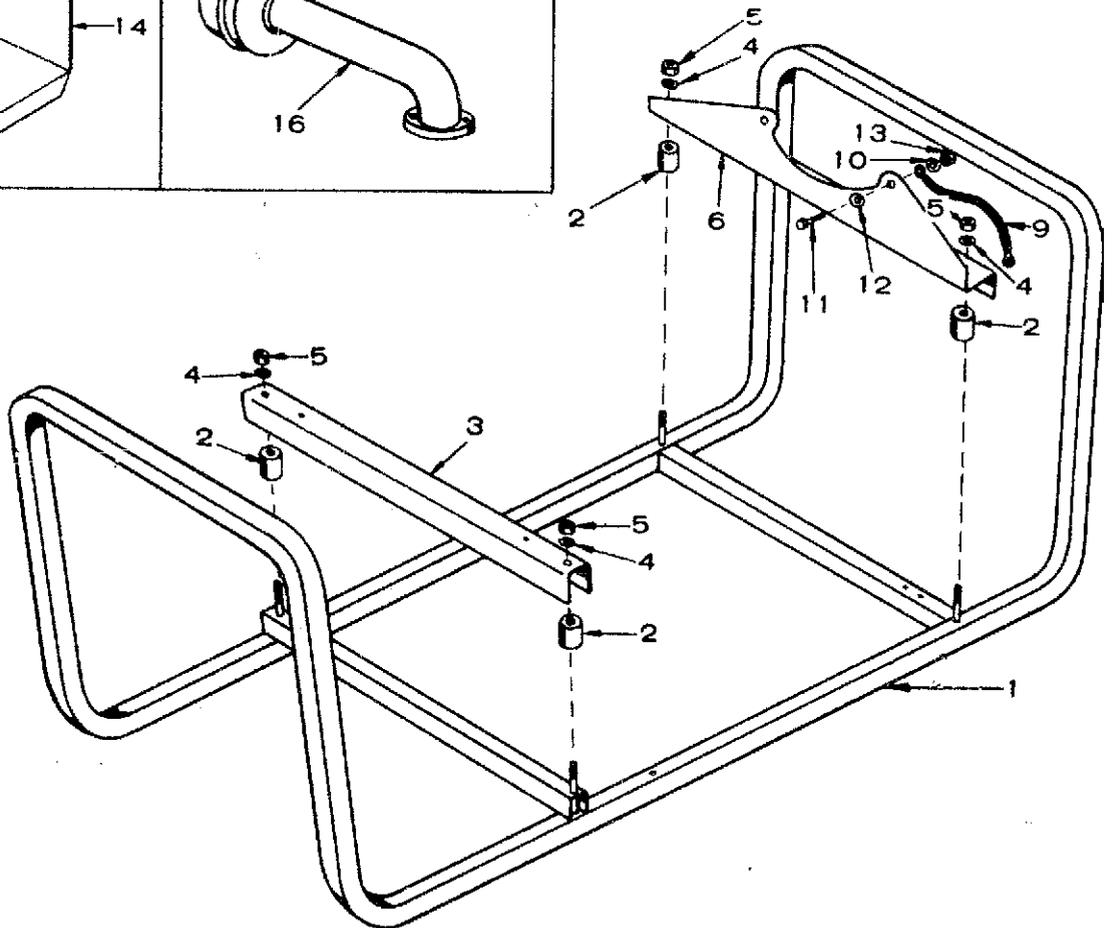
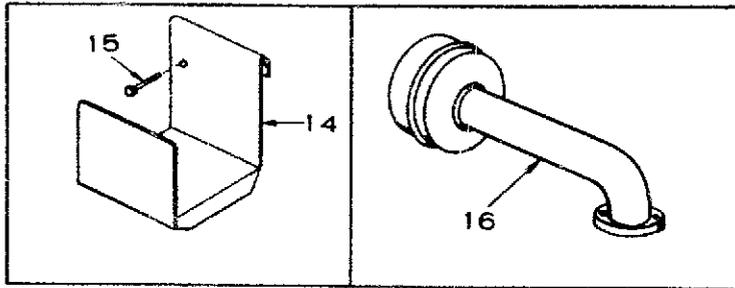
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	301-3366	1	Panel, Control Box - Front
2	301-3677	1	Panel, Control Box - Rear
3	301-3361	1	Panel, Control Box - Top
4	PANEL, CONTROL BOX - LEFT SIDE		
	301-3723	1	Electric Start Models
	301-3725	1	Manual Start Models
5	301-3724	1	Panel, Control Box - Right Side
6	308-0268	1	Switch, Rotary Tap (Includes Parts Marked *)
7	308-0283	1	Stud, Ground
8	308-0265	1	*Blade, Rotary Tap Switch
9	308-0261	1	*Arm, Rotary Tap Switch
10	308-0260	1	*Plate, Rotary Tap Switch
11	308-0267	1	*Jumper, Rotary Tap Switch
12	518-0283	1	*Ring, Grip - Rotary Tap Switch
13	308-0271	1	*Spring, Rotary Tap Switch
14	871-0028	2	Nut, Hex Brass - Jam (3/8-16) - Grounding Stud
15	871-0029	3	Nut, Hex Brass - Full (3/8-16) - Grounding Stud
16	850-0050	2	Washer, Lock (3/8) - Grounding Stud
17	526-0059	2	Washer, Flat - Brass - Grounding Stud
18	508-0150	2	Washer, Insulating - Grounding Stud
19	303-0165	1	Knob, Rotary Tap Switch

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
20	516-0178	1	Pin, Rotary Tap Switch Knob
21	323-0707	1	Receptacle, Duplex
22	BREAKER, CIRCUIT		
	320-0361	1	40 Ampere
	320-0360	1	25 Ampere
23	315-0328	1	Reactor Assembly
25	332-1208	1	Board Assembly, Circuit
26	323-0856	1	Receptacle, Twistlock
27	403-0971	1	Bracket, Lifting
28	819-0089	2	†Screw (1/4-20 x 1-1/4"), Pan Head - Start Switch Mounting
29	313-0032	1	†Switch, Start
30	304-0051	1	†Resistor, Adjustable
31	301-2404	2	†Spacer, Start Switch Mounting
32	GROMMET, CONTROL BOX PANEL		
	508-0002	1	For 1/2" Hole
	508-0008	1	†For 13/16" Hole
33	304-0292	1	†Insulator, Resistor Mounting
34	304-0427	2	†Washer, Centering - Resistor Mounting
36	308-0013	1	Switch, Ignition
37	812-0165	1	†Screw, Resistor Mounting
38	870-0232	3	†Nut, Hex (1/4-20) (1) Resistor Mounting (2) Start Switch Mounting

CABLE ACCESSORY KIT (Includes Cables, Clamps and Helmet) - NOT ILLUSTRATED

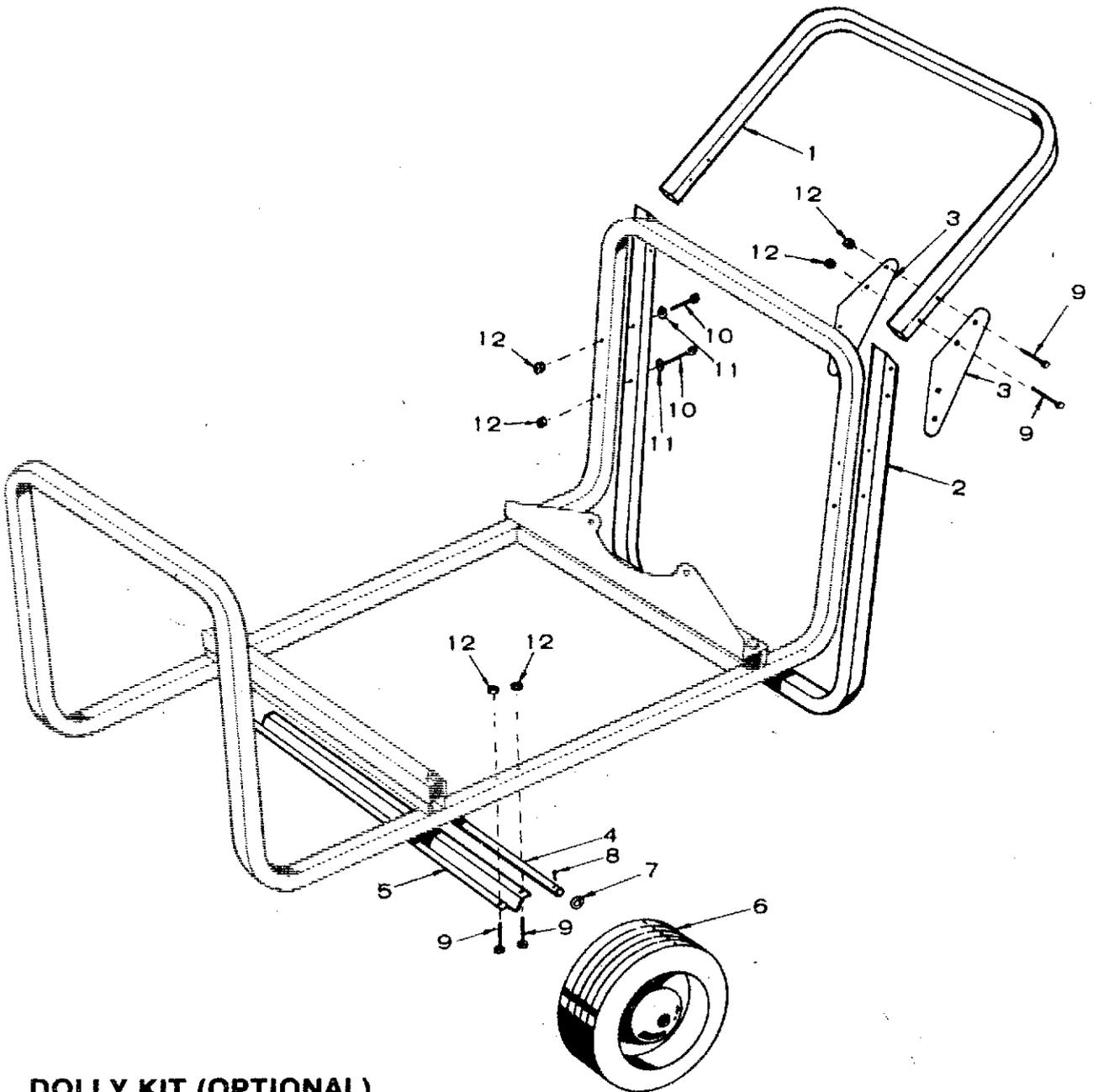
316-0032 1 20 ft. Cables
316-0043 1 40 ft. Cables

* - Parts included in the 308-0268 Rotary Tap Switch.
† - Electric Start Models Only.



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	403-1084	1	Frame, Carrying
2	402-0426	4	Damper, Vibration
3	403-1082	1	Channel, Engine Support
4	526-0123	12	Washer
5	870-0138	4	Nut (3/8-16)
6	403-1083	1	Bracket, Generator Support
7	416-0655	1	Rack, Battery
8	815-0389	3	Screw (1/4-20 x 3/8") - (1) Ground Strap (2) Battery Rack

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
9	337-0094	1	Strap, Ground
10	856-0006	2	Washer (1/4"), Shakeproof E.I.T.
11	800-0008	2	Screw (1/4-20 x 1-1/4")
12	850-0040	2	Washer (1/4"), Lock
13	862-0001	1	Nut (1/4-20)
14	403-1062	1	Hanger, Cable
15	815-0350	1	Screw (10-32 x 3/8")
16	155-1300	1	Muffler and Exhaust Asser



DOLLY KIT (OPTIONAL)

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	410-0637	1	Dolly Assembly - Includes entire group except carrying frame.
1	410-0628	1	Handle, Upper Dolly
2	410-0629	1	Handle, Lower Dolly
3	410-0623	4	Bracket, Dolly Handle
4	410-0621	1	Axle, Dolly
5	410-0641	1	Support, Axle
6	410-0223	2	Wheel and Tire
7	526-0112	4	Washer (5/8")
8	516-0042	2	Pin, Cotter
9	821-0021	12	Screw (5/16-18 x 1-1/2"), Self Locking
10	800-0035	4	Screw (5/16-18 x 2-1/2")
11	526-0022	4	Washer (5/16")
12	870-0257	16	Nut (5/16-18), Lock

SPECIAL PARTS LISTS INDEX FOR FORM NO. 919-1008

MODEL	SPEC.	DATED	FICHE LOCATION
5.0TJ-343E	5277A	09/01/79 ***	1 F1
5.0TJ-343P	5277A	09/01/79 ***	1 F3
5.0TJ-343E	8474A	09/01/79 ***	1 F3
5.0TJ-343E	13237A	09/01/79 ***	1 F5
5.0TJ-343P	13237A	09/01/79 ***	1 F5
5.0TJ-343E	13569A	09/01/79 ***	1 F7
5.0TJ-343E	14018A	09/01/79 ***	1 F7
5.0TJ-343E	14723A	09/01/79 ***	1 F9
5.0TJ-343P	14723A	09/01/79 ***	1 F9
5.0TJ-343E	17496A	09/01/79 ***	1 F11

SPECIAL PARTS LIST FOR MODEL 5.QTJ-343E SPEC 5277A
 FOR STANDARD PARTS REFER TO CATALOG 919-1008 KEY NO. -
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. (AC)605-0120-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
205-0104	1	Fan, Alternator			
332-0142	1	Terminal, Lug - Solderless			
332-1696	1	Board Assembly, Circuit - Control			
308-0068	1	Switch, Ignition			

SPECIAL PARTS LIST FOR MODEL 5.0TJ-343P SPEC 5277A
 FOR STANDARD PARTS REFER TO CATALOG 919-1008 KEY NO. -
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
 WIRING DIAGRAM NO. (AC)605-0118-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
205-0104	1	Fan, Alternator			
332-0142	1	Terminal, Lug - Solderless			
332-1705	1	Board Assembly, Circuit - Control			
308-0412	1	Switch, Ignition			

SPECIAL PARTS LIST FOR MODEL 5.0TI-343E SPEC 8474A
 FOR STANDARD PARTS REFER TO CATALOG 919-1008 KEY NO. -
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. (AC)605-0120-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
205-0104	1	Fan, Alternator			
332-0142	1	Terminal, Lug - Solderless			
332-1696	1	Board Assembly, Circuit - Control			
308-0068	1	Switch, Ignition			

SPECIAL PARTS LIST FOR MODEL 5.0TJ-343E SPEC 13237A
 FOR STANDARD PARTS REFER TO CATALOG 919-1008 KEY NO. -
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. (AC)605-0120-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
205-0104	1	Fan, Alternator			
332-0142	1	Terminal, Lug - Solderless			
332-1696	1	Board Assembly, Circuit - Control			
308-0068	1	Switch, Ignition			

SPECIAL PARTS LIST FOR MODEL 5.0TJ-343P / SPEC 13237A
 FOR STANDARD PARTS REFER TO CATALOG 919-1008 KEY NO. -
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
 WIRING DIAGRAM NO. (AC) 605-0118-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
205-0104	1	Fan, Alternator			
332-0142	1	Terminal, Lug - Solderless			
332-1705	1	Board Assembly, Circuit - Control			
308-0412	1	Switch, Ignition			

SPECIAL PARTS LIST FOR MODEL 5.0TJ-343E SPEC 13569A
 FOR STANDARD PARTS REFER TO CATALOG 919-1008 KEY NO. -
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. (AC)605-0120-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
205-0104	1	Fan, Alternator			
332-0142	1	Terminal, Lug - Solderless			
332-1696	1	Board Assembly, Circuit - Control			
308-0068	1	Switch, Ignition			

SPECIAL PARTS LIST FOR MODEL 5.0TJ-343E SPEC 14018A
 FOR STANDARD PARTS REFER TO CATALOG 919-1008 KEY NO. -
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
 WIRING DIAGRAM NO. (AC)605-0120-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
205-0104	1	Fan, Alternator			
332-0142	1	Terminal, Lug - Solderless			
332-1696	1	Board Assembly, Circuit - Control			
308-0068	1	Switch, Ignition			

SPECIAL PARTS LIST FOR MODEL 5.0TJ-343E SPEC 14723A
 FOR STANDARD PARTS REFER TO CATALOG 919-1008 KEY NO. -
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
 WIRING DIAGRAM NO. (AC)605-0120-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
205-0104	1	Fan, Alternator			
332-0142	1	Terminal, Lug - Solderless			
332-1696	1	Board Assembly, Circuit - Control			
308-0068	1	Switch, Ignition			

SPECIAL PARTS LIST FOR MODEL 5.0TJ-343P SPEC 14723A
 FOR STANDARD PARTS REFER TO CATALOG 919-1008 KEY NO. -
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
 WIRING DIAGRAM NO. (AC)605-0118-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
205-0104	1	Fan, Alternator			
332-0142	1	Terminal, Lug - Solderless			
332-1705	1	Board Assembly, Circuit - Control			
308-0412	1	Switch, Ignition			

SPECIAL PARTS LIST FOR MODEL 5.0TJ-343E SPEC 17496A
 FOR STANDARD PARTS REFER TO CATALOG 919-1008 KEY NO. -
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. (AC)605-0120-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
205-0104	1	Fan, Alternator			
332-0142	1	Terminal, Lug - Solderless			
332-1696	1	Board Assembly, Circuit - Control			
308-0068	1	Switch, Ignition			