

Minuteman[®]
Parker[®]

Model:
PL0524H

Truck Loader, 24 HP

OPERATION

SERVICE

PARTS

CARE

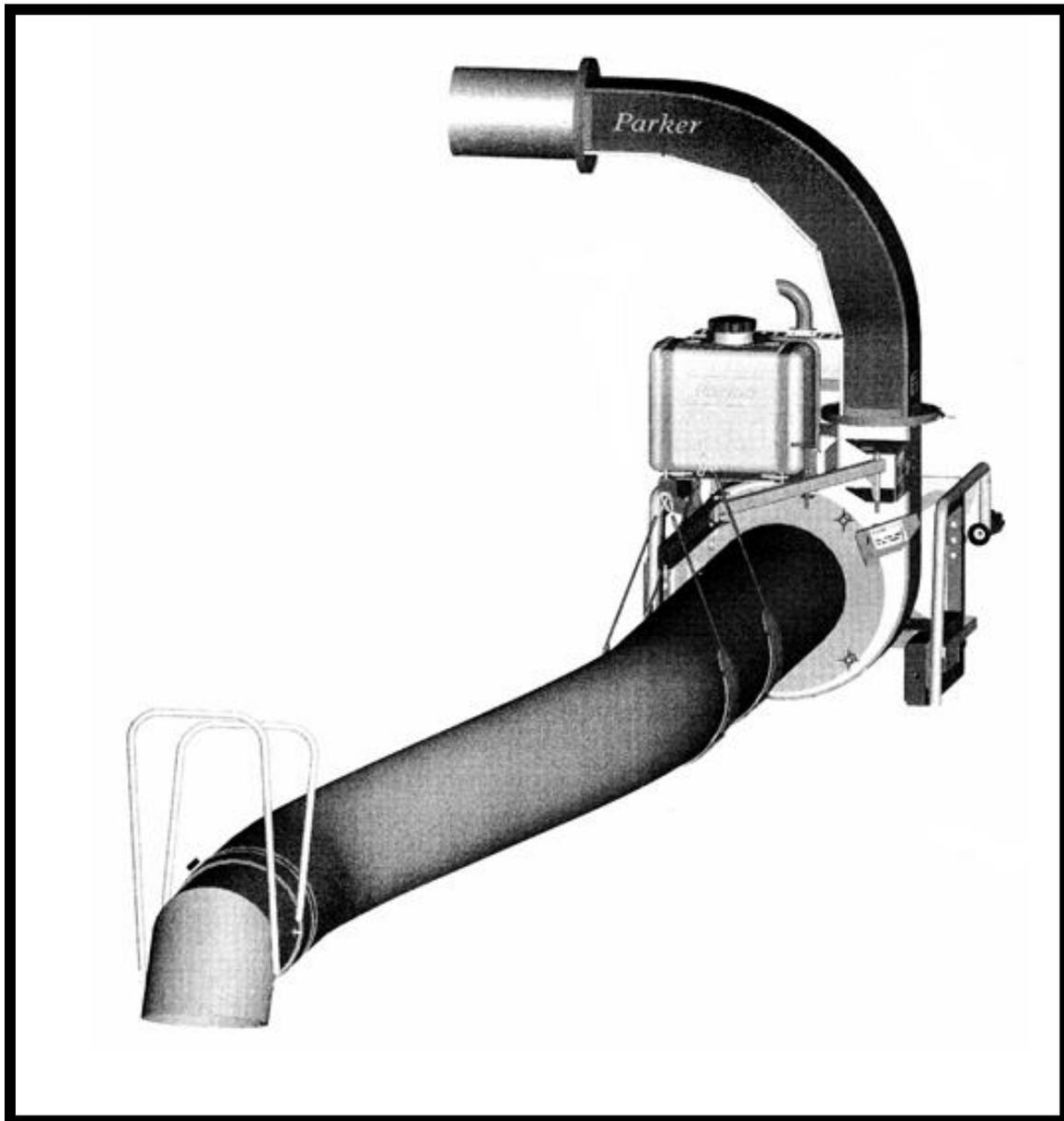


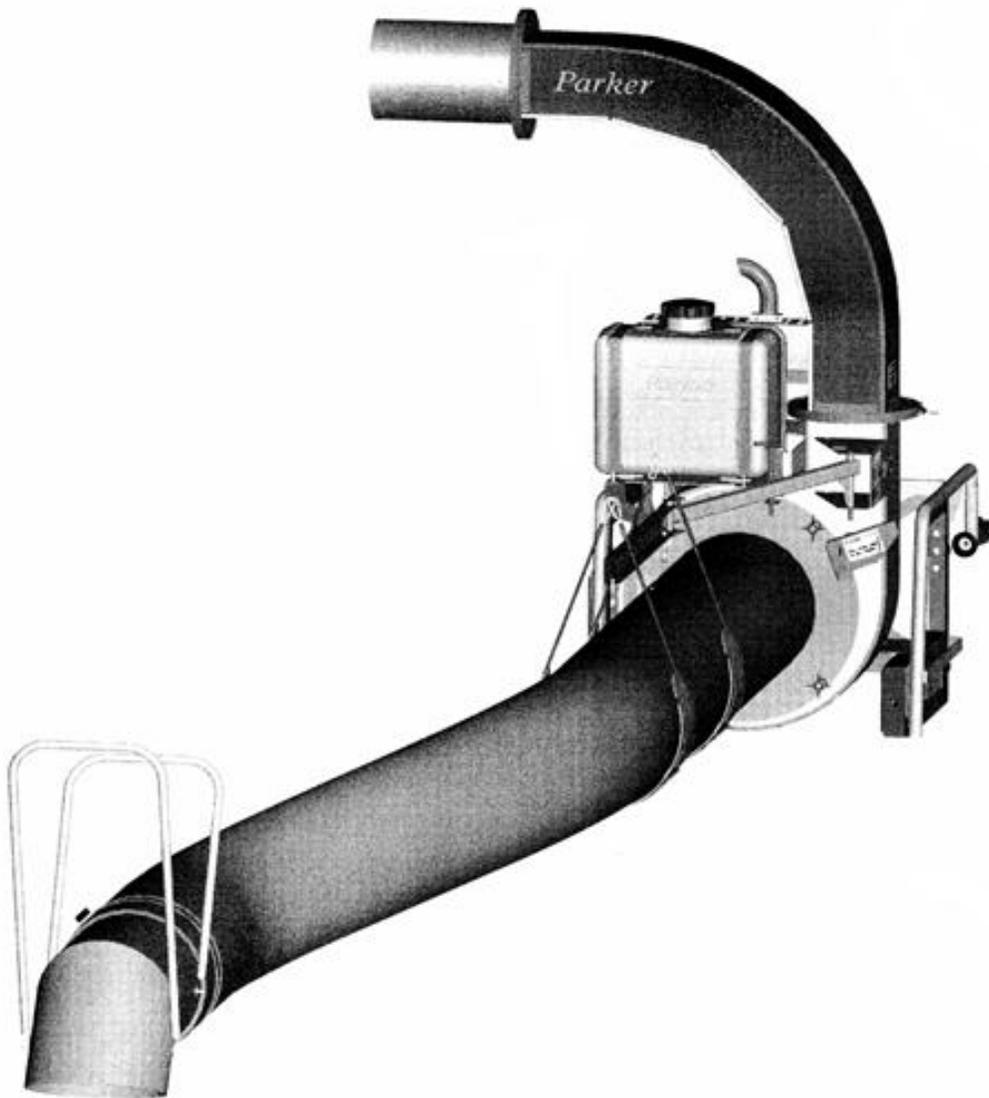
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THE PL0524H TRUCK LOADER

The PL0524H truck loader is powered by a 24 hp Honda engine, comes with a 12"x12' Flexthane hose and is equipped with a heavy duty 4 blade computer balanced corten steel impeller, creating over 5600 cfm and reducing debris up to 12 to 1.

This portable truck loader is the ideal system for picking up leaves, grass clippings, mulch, and other bulk debris. It's designed to mount easily on pick up trucks and vehicles made for large collection and provides quick unloading. Its heavy duty construction will allow years of dependable service, while making fast work of the toughest jobs.



IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING

WARNING!

- To prevent personal injury or property damage, do not attempt to start engine until all assembly steps are completed and you have read and understand the safety and operating instructions in this manual.
- Under California law, and under laws of several other states, you are not permitted to operate an internal combustion engine using hydrocarbon fuels on any forest covered, brush covered, or grass covered land, or on land with grain, hay, or other flammable agricultural crop, without an engine spark arrester in continuous effective working order. The engine on your power equipment, like most outdoor power equipment, is an internal combustion engine that burns gasoline, a hydrocarbon fuel. Therefore, your power equipment must be equipped with a spark arrester muffler in continuous effective working order. The spark arrester must be attached to the engine exhaust system in such a manner that flames or heat from the system will not ignite flammable material. Failure of the owner/operator of the equipment to comply with this regulation is a misdemeanor under California law, and may also be a violation of other state and/or federal regulations, laws, ordinances, or codes. Contact your local fire marshal or forest service for specific information about what regulations apply in your area.
- Wear approved safety glasses when operating this equipment. The operation of any powered machine can result in foreign objects being thrown by high-speed rotating parts.
- Wear work gloves, sturdy footwear, and hearing protection when operating this equipment.
- Remove hearing protection and watch for traffic when operating near, or when crossing roadways.
- Before inspecting or servicing any part of equipment, shut off engine, disconnect spark plug wire from spark plug, and make sure that all moving parts have come to a complete stop. Be aware that rotating blades slow down gradually after engine is shut off.
- Exercise extreme caution on slopes and avoid excessively steep slopes.
- Never leave equipment unattended when engine is running. Shut off engine and disconnect spark plug wire from spark plug before leaving equipment. Turn off fuel shut-off if equipped.
- Do not operate this equipment on a paved, gravel, or hard surface unless the collection bag is installed. Discharged material may bounce from a hard surface.
- Do not vacuum any burning or smoldering materials such as cigars, cigarettes, ashes or cinders.
- Do not vacuum areas that have been recently treated with fertilizers, pesticides or herbicides. Follow chemical manufacturer's safety instructions regarding contact with treated areas.
- Do not vacuum flammable liquids such as gasoline, kerosene, diesel fuel, paint thinner, etc.
- Never pick up or carry equipment while the engine is running.
- Walk, never run.
- Never allow children or untrained adults to operate this equipment.
- Keep the area of operation clear of all persons, particularly small children, and pets. Keep bystanders at least 25 feet away from the area of operation.

- Do not run engine in an enclosed area. Engine exhaust contains carbon monoxide gas, a deadly poison that is odorless, colorless, and tasteless.
- Do not operate this equipment near buildings, windows, or air conditioners.
- Do not allow hands or any other part of the body or clothing inside the vacuum inlet.
- Do not start engine or operate this equipment with any safety guards or housing removed.
- Before removing or installing collection bag, shut off engine, disconnect spark plug wire from spark plug, and allow all moving parts to come to a complete stop.
- Empty the collection bag after each use. Decomposing debris could generate enough heat to catch fire. Before emptying the collection bag, shut off engine, disconnect spark plug and allow all moving parts to come to a complete stop.
- If equipment jams or becomes clogged, immediately shut off engine, disconnect spark plug, and allow all moving parts to come to a complete stop. Use only a wooden stick to clear away debris.

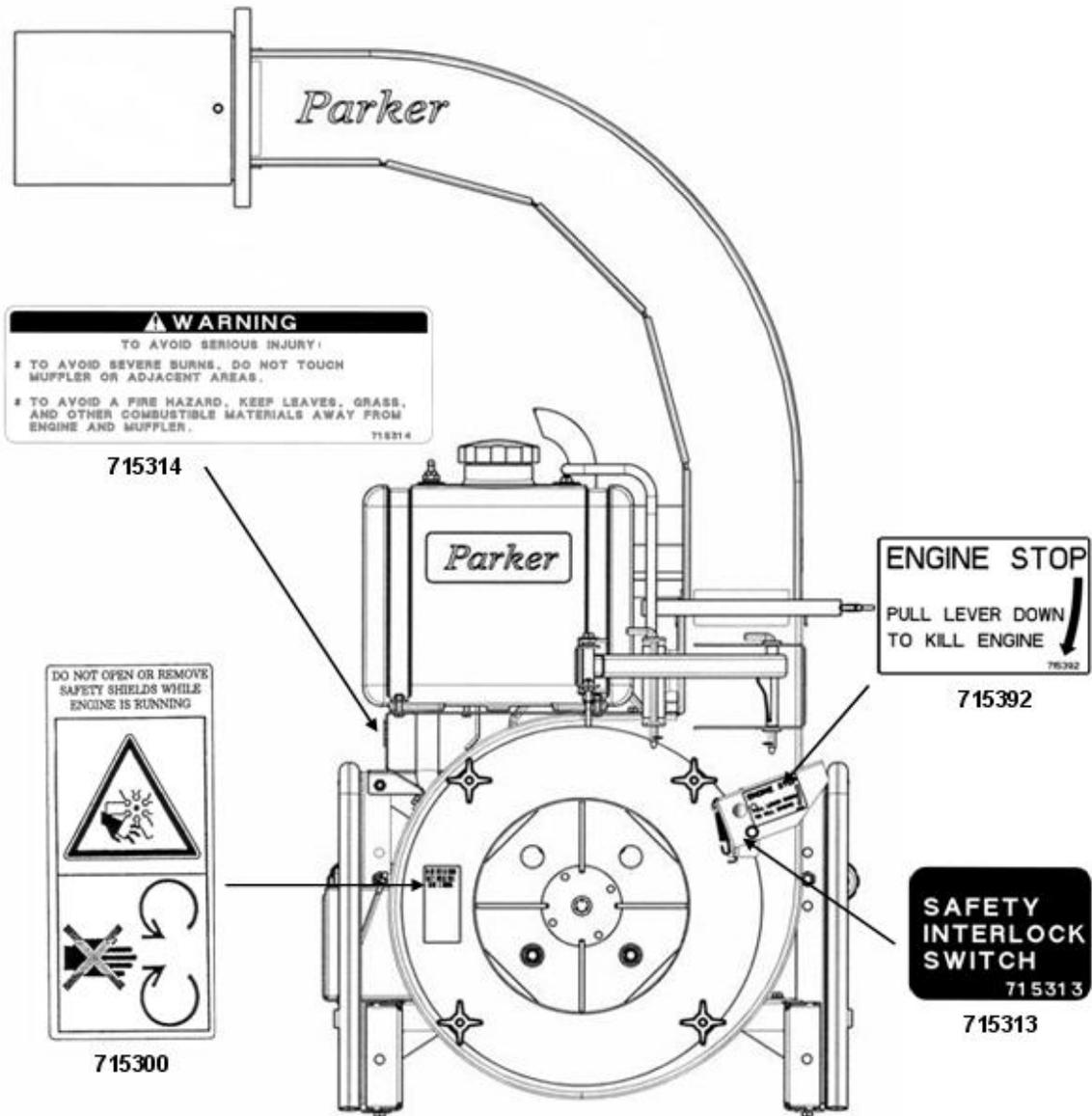
DANGER!

- Gasoline is highly flammable and its vapors are explosive. To prevent personal injury or property damage:
- Do not add fuel if engine is running or still hot from recent operation. Allow engine to cool for at least three minutes.
- Do not fill fuel tank indoors. After filling, wipe up any spills and move away from gasoline fumes before starting engine.
- Do not allow open flame, matches, or smoking in area.
- Fill fuel tank with fresh, clean unleaded regular automotive gasoline, (leaded regular and unleaded or leaded premium grades of gasoline are acceptable substitutes).
- Do not mix oil with gasoline.
- Clean the area around the fuel fill cap and remove the cap from the fuel tank. Insert a clean funnel into the fuel tank.
- Fill the tank to 1/2 inch below the bottom of the filter neck to provide space for any fuel expansion.
- Reinstall the fuel fill cap securely and wipe up any spilled gasoline.

SAVE THESE INSTRUCTIONS

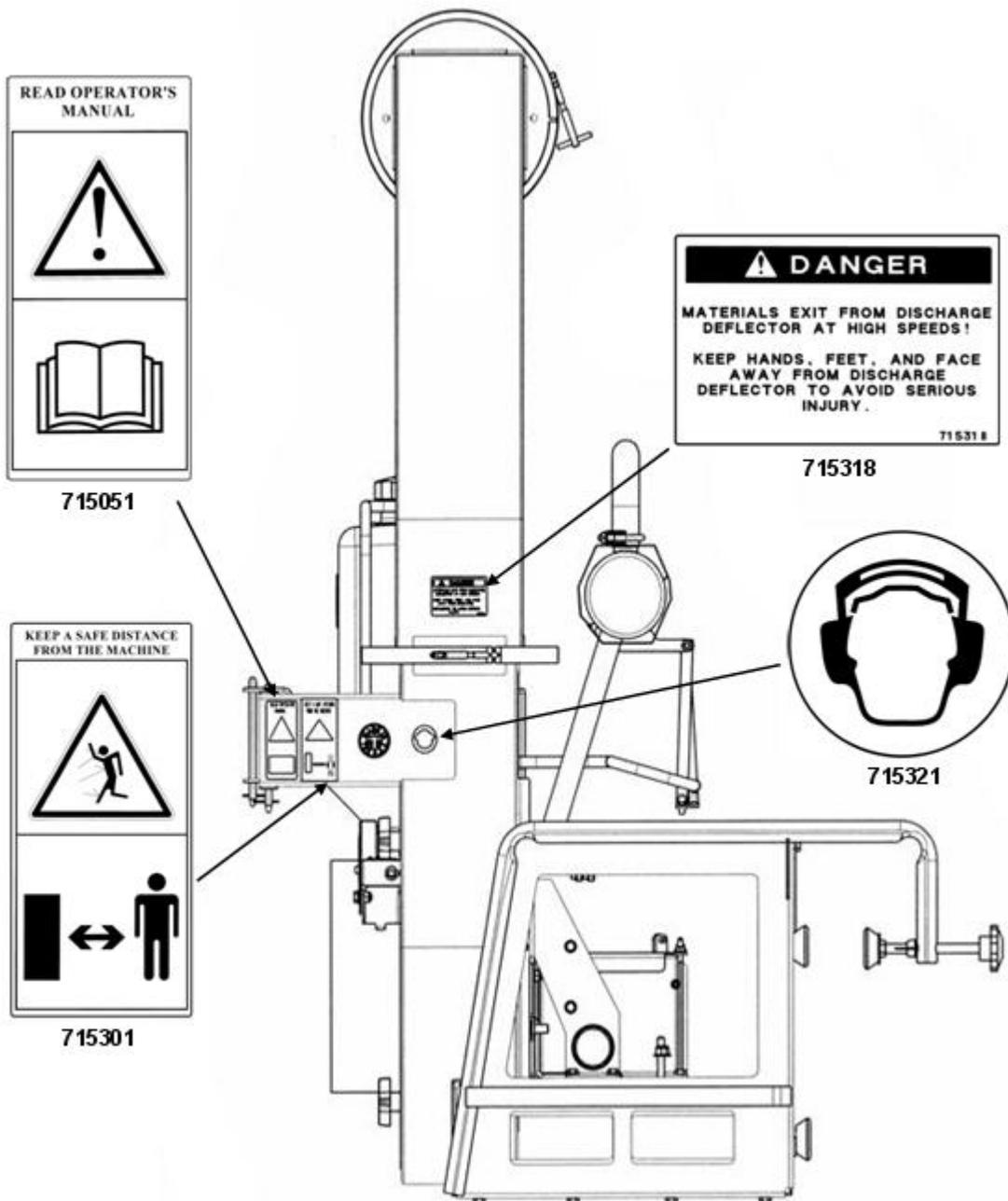
SAFETY DECALS, FRONT

(If safety decals are removed or damaged replace immediately)



SAFETY DECALS, LEFT

(If safety decals are removed or damaged replace immediately)

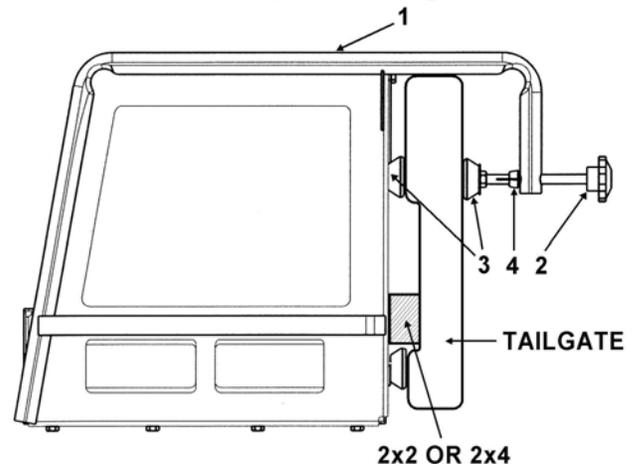


ASSEMBLY INSTRUCTIONS

ASSEMBLING UNIT TO TAILGATE OF TRUCK

NOTE: Before assembling the unit, it may be desirable to purchase a rubber mat or some other covering to place over tailgate, where unit is to be assembled, to protect the finish during assembly and operation of the unit. If tailgate mounting is not desired, clamp hooks and cross-braces may be unbolted from machine and stored for future use. This allows the machine to be mounted to a platform using bolts.

1. With an able-bodied person to assist, or the use of an overhead chain, lift unit onto tailgate of truck.
2. Place 2x2 or 2x4 between lower back edge of frame (1) and tailgate. (See diagram)
3. Holding unit, so back edge of frame (1) is flush with tailgate, turn adjusting knob on tailgate clamps (2) until rubber bumpers (3) are tight against inside of both sides of tailgate.
4. Turn wing nuts (4) until they push tightly against frame (1) to lock the unit into place.



CAUTION! IT IS UNSAFE TO TRANSPORT LOADER WHILE ON TAILGATE.

CAUTION! MACHINE SHOULD NEVER BE OPERATED UNDER CONDITIONS WHERE IT IS TILTED MORE THAN 15 DEGREES IN ANY DIRECTION.

ASSEMBLING HOSE TO UNIT

NOTE: This unit is equipped with a safety kill switch. When the hose adapter assembly (see page 8) is removed from the front cover, the kill switch grounds the engine, stopping the unit.

CAUTION! For NO REASON should the hose be removed from the collar while the machine is in operation. This will allow the unit to remain running with no covering over the intake opening in the blower housing. Loose clothing and personal items could be drawn into unit causing serious injury. Feeding debris into open housing by hand could also cause serious injury.

BEFORE OPERATING THE MACHINE

CAUTION! The engine contains NO OIL. Before starting the engine, make sure the crankcase is filled with the proper amount and type of oil. Refer to the engine operating manual for proper lubrication of the engine. Read the engine manual carefully before operating unit. Be sure to know how to start and stop the engine.

CAUTION! Some method of containing debris must be used. The container must fit tightly around exit chute and have no major openings that would allow debris to fly out. Running the unit without a container could cause damage to truck and seriously injure operator or persons nearby.

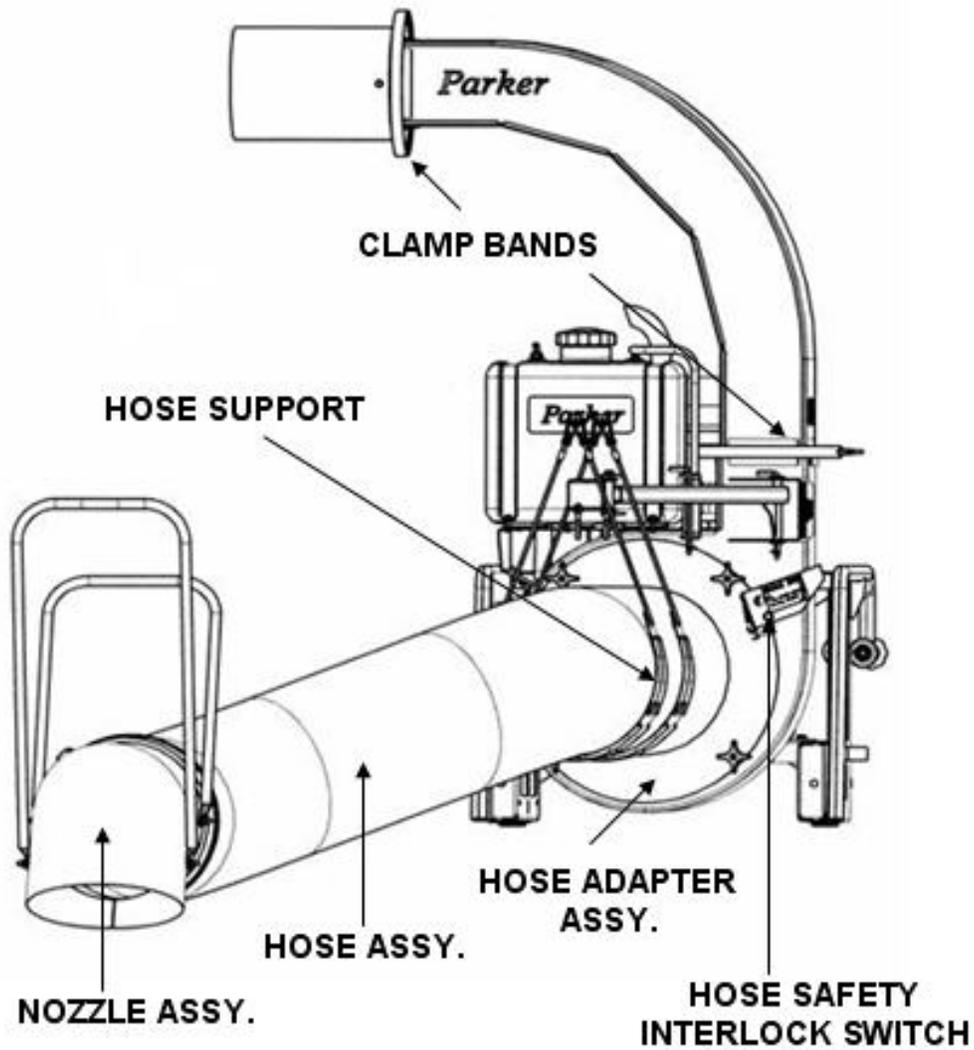
An optional collector bag, MA-607D, is available from Parker Sweeper for containing debris being picked up, making removal and dumping of debris much easier.

WARNING! Although the unit is equipped with a safety kill switch, NEVER reach into blower housing to remove clogs or for maintenance work without first removing the spark plug wire from the engine. This will prevent false starting of the engine and also allow the fan to move freely.

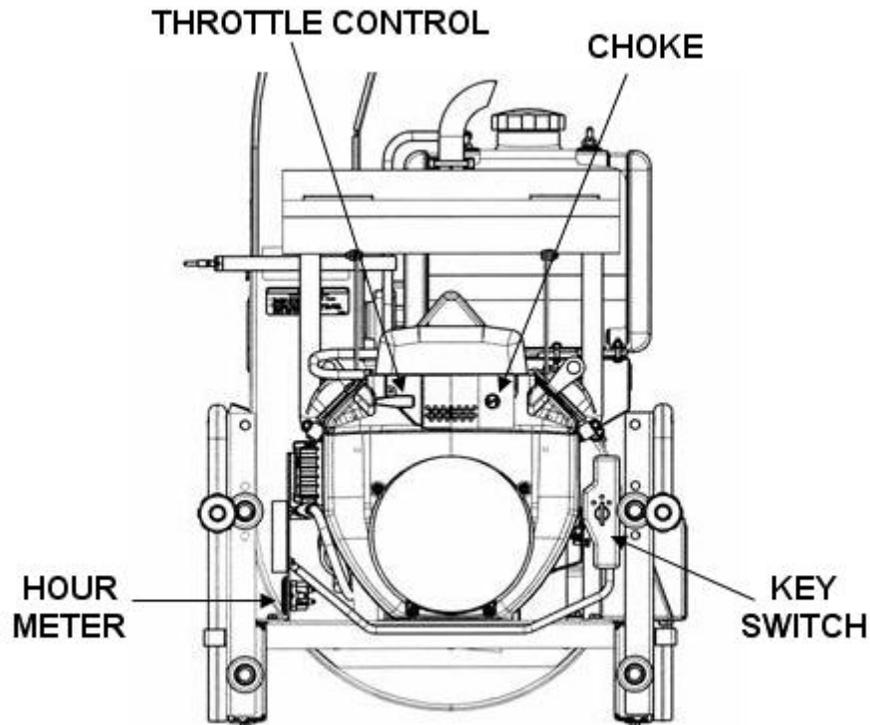
OPERATING AND MAINTENANCE INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

MACHINE OVERVIEW, FRONT



MACHINE OVERVIEW, ENGINE



MACHINE OPERATION

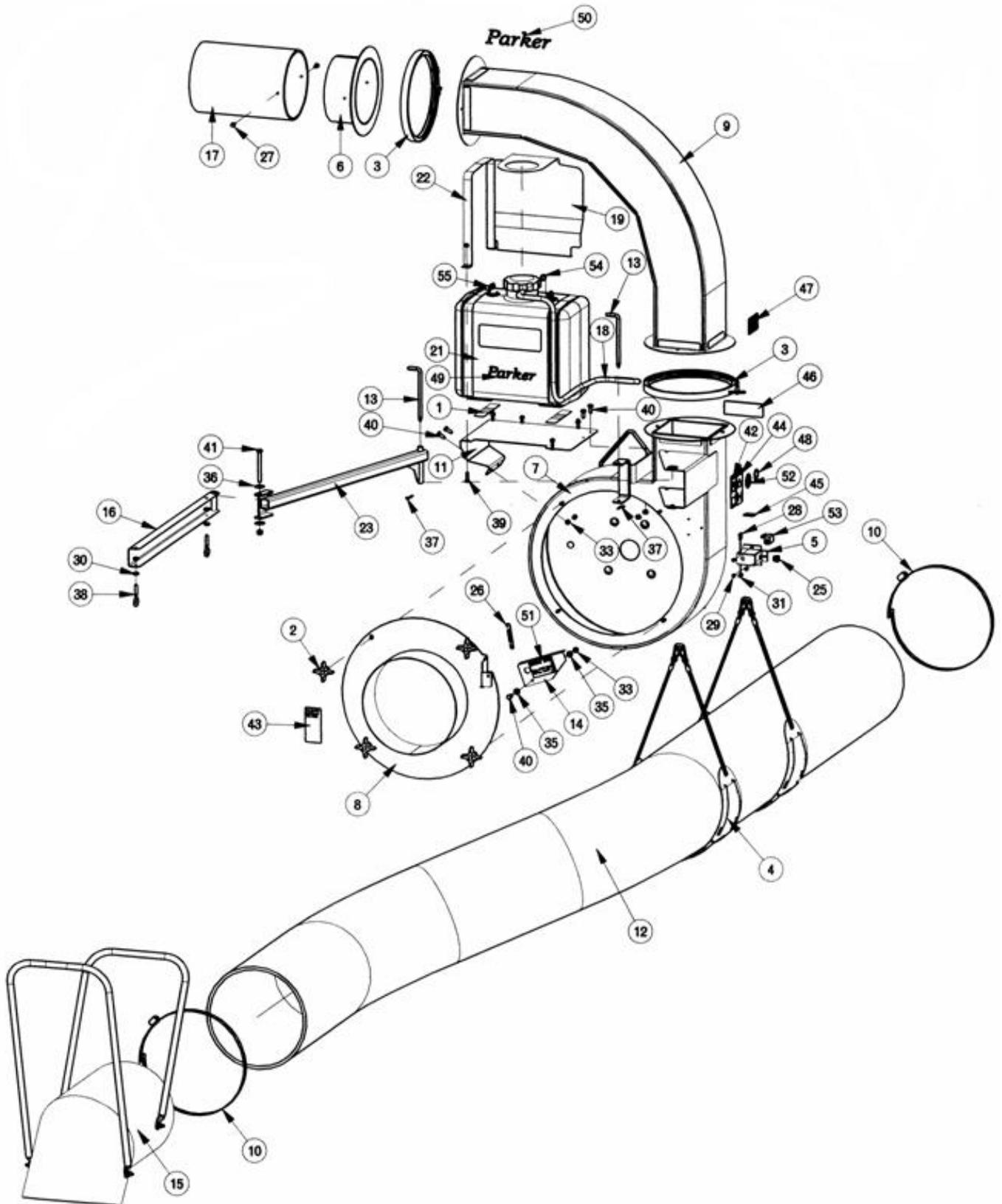
- Best vacuum is obtained when the engine is run at full throttle.
- Before using the machine to pick up debris, inspect the area to be cleaned first, picking up any large objects. If these pass through the machine, they could damage the impeller or bend the engine crankshaft.
- Care should be taken not to plug the hose by forcing too much debris into it at one time.
- Stiff debris, such as sticks and tree trimmings, should not be picked up with the hose, as this type of debris may clog the hose.
- If the hose becomes clogged, the engine must be shut off. Remove the hose from the blower housing, remove all blockages from the hose, and replace the hose on the blower housing.
- The fuel tank contains a vented gas cap. The vent should be twisted clockwise to the closed position when the machine is being transported. Twist the vent cap counterclockwise until it is fully open when the machine is being operated.
- During operation, the engine may be stopped at any time by pulling down on the safety interlock switch. To restart the engine, return the safety interlock switch to its original position and restart the engine using the key switch.

GENERAL MAINTENANCE

- For servicing and operating instructions, refer to the *Engine Manufacturer's Service Manual*, included with this machine. Careful attention to care of the air cleaner and crankcase lubrication instructions will ensure longer engine life. KEEP ENGINE CLEAN.
- This machine is equipped with an Hour Meter that keeps a running total of the number of hours the engine is run. Refer to the Hour Meter to determine if the engine requires any scheduled maintenance (see *Engine Service Manual*).
- **NOTE:** The hour meter is tied to the key switch. If the engine is stopped using the safety interlock switch, the key switch must be turned to the off position to stop the hour meter.
- Be sure to keep the oil at the proper level in the engine. Check the oil level each time the fuel tank is filled.
- Clean the engine air cleaner every ten hours of operation. (Do so more often under dusty conditions.) If the air cleaner is punctured, torn, or too dirty to be cleaned it should be replaced.
- Check the hose and blower housing before each use to make sure excessive debris hasn't built up. If debris has collected, remove it before operating the machine.
- **WARNING!** Do not perform any maintenance work in the vicinity of the impeller without first disconnecting the spark plug wire from the engine.

EXPLODED VIEWS

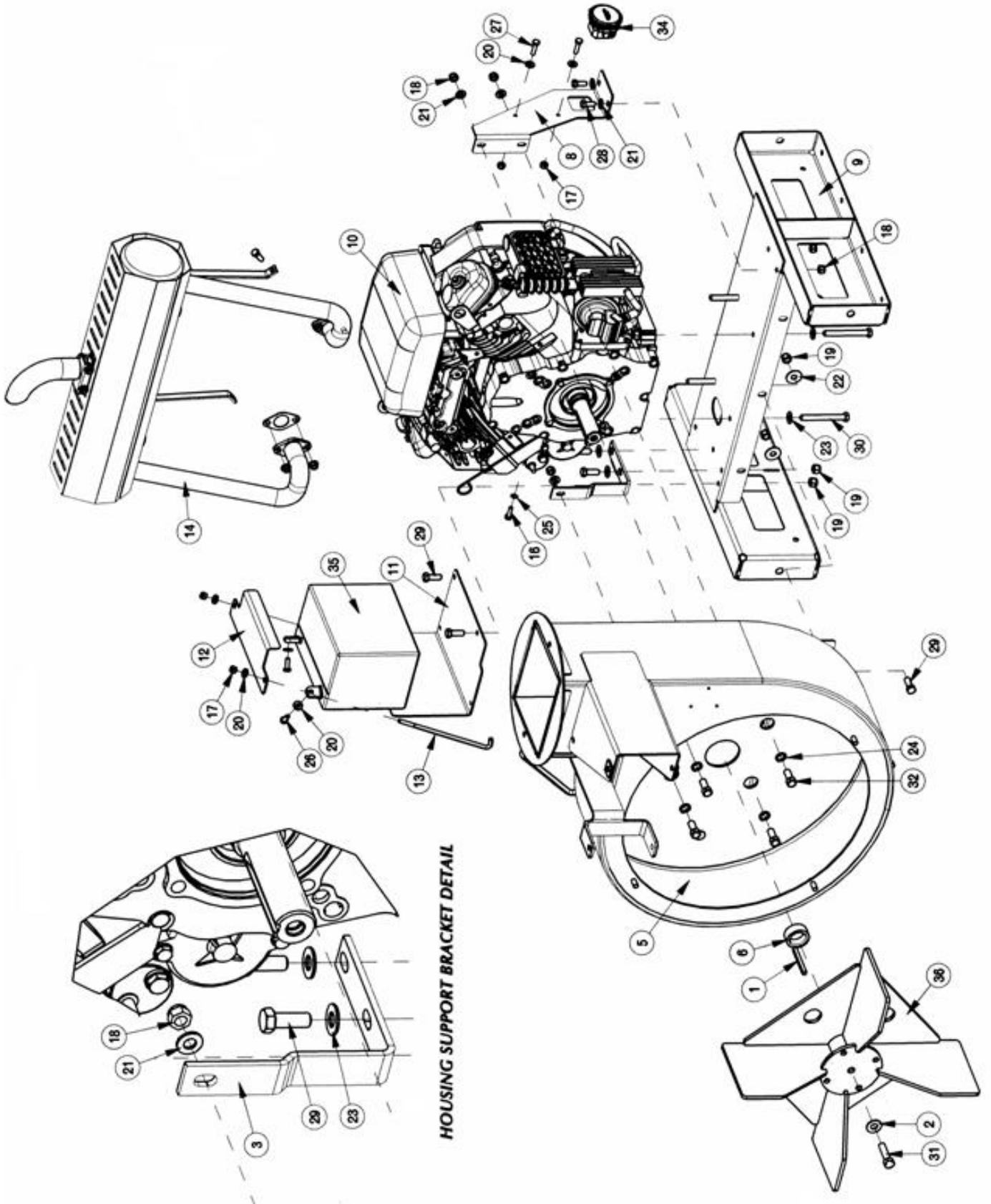
MAIN ASSEMBLY I



MAIN ASSEMBLY I BOM

BILL OF MATERIAL			
ITEM	PART NO.	REQ'D	DESCRIPTION
1	320618_FLAT1	2	FRICTION STRIP 5.75"
2	350139	4	KNOB, 4 ARM 5/16-18
3	360215	2	CLAMP BAND ASSY COMP.
4	360238	2	HOSE SUPPORT ASSY
5	360243	1	SWITCH BOX COVER PL9616B
6	360247	1	DISCHARGE ASSEM
7	360300	1	HOUSING ASSEMBLY
8	360316	1	INTAKE ADAPTER
9	360325	1	ELBOW ASY TALL
10	360344	2	BRIDGE CLAMP 12 IN.
11	360375	1	FUEL TANK SUPPORT
12	360386	1	HOSE, DEBRIS 12" X 12'
13	360408	2	ROD, ARM LOCK
14	360418	1	PLATE, STOP ARM
15	360441	1	75 DEGREE END
16	360450	1	ARM WLDT
17	360452	1	HOSE, 8 ID X 7' FLEXIBLE-STEEL
18	360460	1	FUEL LINE - 36 IN
19	360479	1	SHIELD - FUEL TANK
20	360480	1	SHIELD-MUFFLER
21	360482	1	FUEL TANK - 6 GAL
22	360484	2	STRAP
23	360488	1	ARM WLDT
24	360492	1	CUSHION
25	380032	1	STRAIN RELIEF
26	430051	1	RETURN SPRING-3.00"
27	710188	2	1/4 X 3/4 SELF DRILL SCREW
28	710230	2	SCR-MC 8-32 X .62 ST PL
29	711124	3	PAN HEAD ST #10 X .37 NI
30	711319	4	5/16-18 HEX NUT
31	711372	2	NUT-NYLOC 8-32 STL ZINC
32	711373	5	NUT-NYLOC 1/4-20
33	711374	9	NUT-NYLOC 5/16-18
34	711380	1	NUT-NYLOC 3/8-16 NUT
35	711506	6	WSR-FLT .344 X .690 X .062 STL ZINC
36	711507	2	WSR-FLAT .37 X 1.12 X .06
37	711808	2	COTTER PIN-HAIR #13
38	712030	2	WIRE EYE BLT 1/4-20 X 2
39	713003	3	BLT-HH 1/4-20 X 1 #5
40	713026	5	BLT-HH 5/16-18 X 3/4 #5
41	713051	1	BLT-HH 3/8-16 X 3.75 #5
42	715051	1	DECAL, READ OPERATOR MANUAL
43	715300	1	DECAL, WARNING FINGERS
44	715301	1	DECAL, SAFE DISTANCE
45	715313	1	DECAL, INTERLOCK SWITCH
46	715314	2	DECAL BURN WARNING
47	715318	1	DECAL, DISCHARGE
48	715321	1	DECAL, HEARING PROTECTION
49	715322	1	DECAL, PARKER
50	715323	2	DECAL, PARKER
51	715392	1	DECAL, ENGINE STOP
52	715501	1	DECAL - MADE IN THE U.S.A.
53	740282	1	SWITCH DELTA, 6451
54	828490	2	CRIMP CLAMP 140R
55	840059	1	CAP-THD COVER

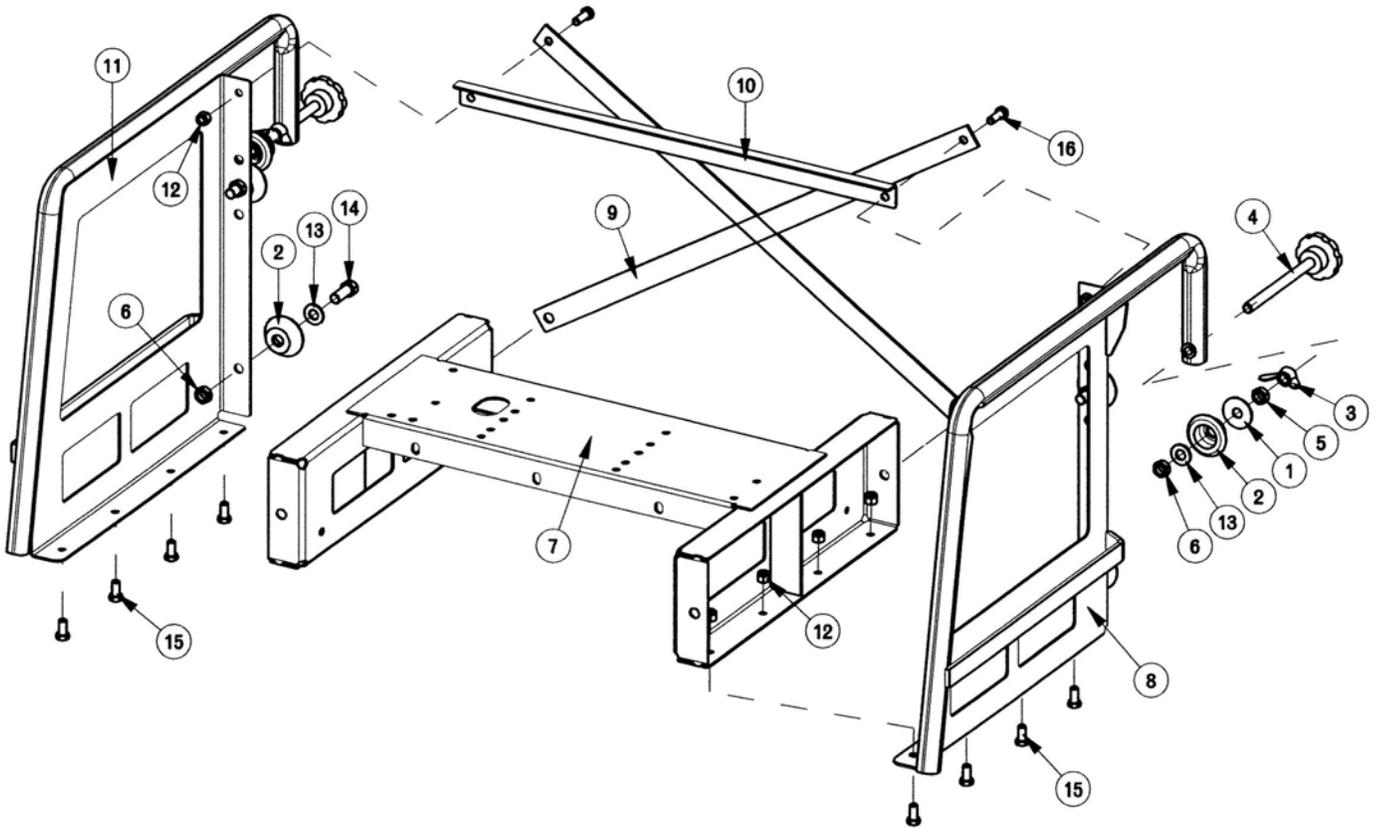
MAIN ASSEMBLY II



MAIN ASSEMBLY II BOM

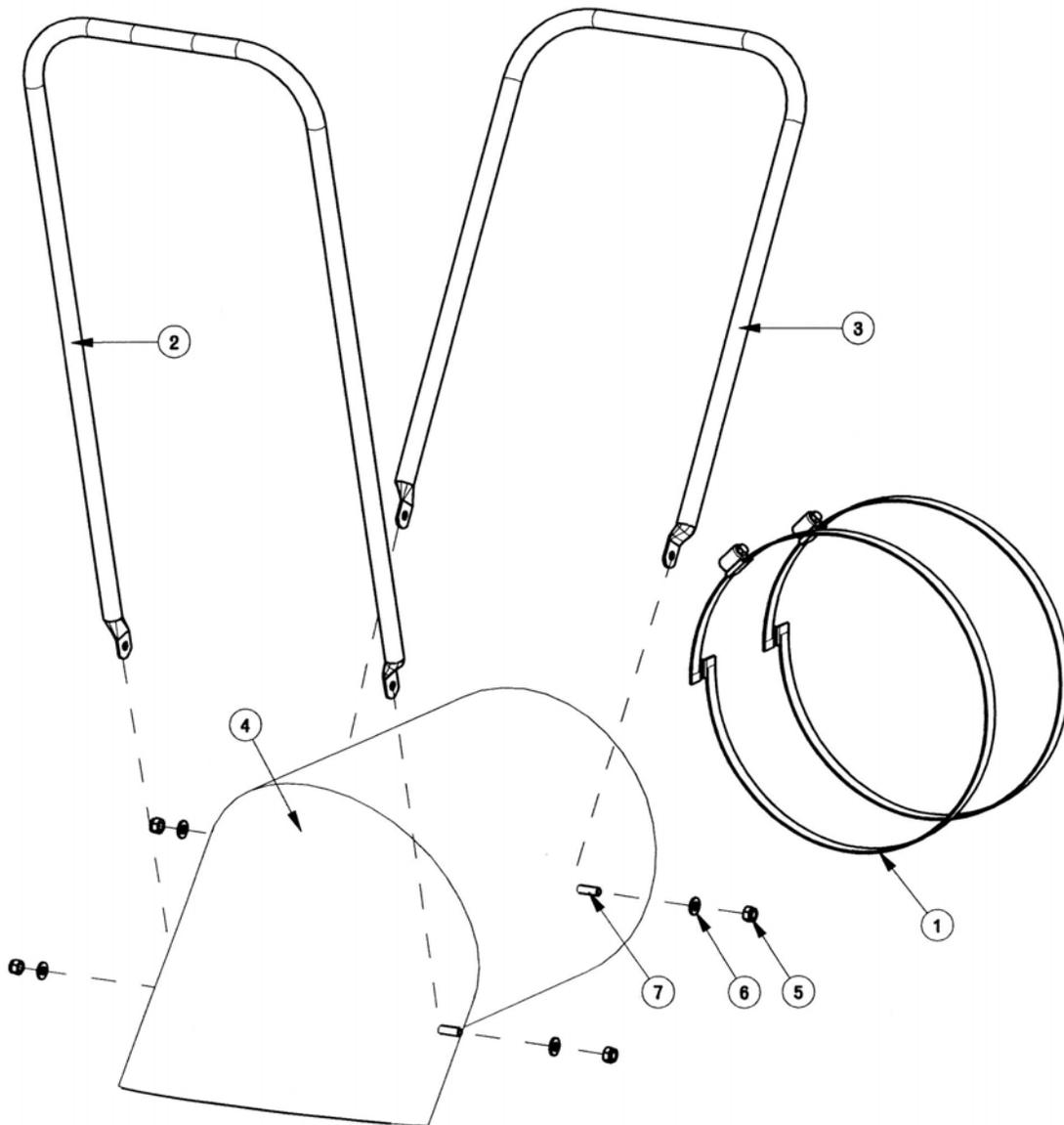
BILL OF MATERIAL			
ITEM	PART NO.	REQ'D	DESCRIPTION
1	220181	1	KEY, 1/4 SQ X 2.69
2	350242	1	BELLEVILLE WASHER 7/16
3	360212	1	SUPPORT BRACKET HOUSING
4	360247	1	DISCHARGE ASSEM
5	360300	1	HOUSING ASSEMBLY
6	360315	1	SPACER
7	360316	1	INTAKE ADAPTER
8	360340	1	SUPPORT PLATE, HOUSING
9	360393	1	FRAME-BASE
10	360399	1	ENGINE, HONDA 24 HP HORIZONTAL
11	360453	1	BATTERY BASE
12	360454	1	STRAP, BATTERY HOLD DOWN
13	360455	2	J-BOLT 1/4-20
14	360464	1	MUFFLER GP, 24HP HONDA
15	360480	1	SHIELD-MUFFLER
16	711225	1	BLT-HH M6 X 1.0 X 20
17	711373	5	NUT-NYLOC 1/4-20
18	711374	5	NUT-NYLOC 5/16-18
19	711380	11	NUT-NYLOC 3/8-16 NUT
20	711505	6	WSR-FLAT 1/4
21	711506	5	WSR-FLT .344 X .690 X .062 STL ZINC
22	711507	3	WSR-FLAT .37 X 1.12 X .06
23	711515	10	WSR-FLAT .406 X .812 X .0625
24	711561	4	WSR-HELICAL 7/16
25	711564	1	WSR-EXTERNAL LOCK 1/4
26	713002	2	BLT-HH 1/4-20 UNC-2A X 3/4 STL#5
27	713003	2	BLT-HH 1/4-20 X 1 #5
28	713026	4	BLT-HH 5/16-18 X 3/4 #5
29	713042	7	BLT-HH 3/8-16 X 1 #5
30	713050	4	BLT-HH 3/8-16 X 3 1/4 #5
31	713061	1	BLT-HH 7/16-20 X 1.75 #5
32	713176	4	BLT HH 7/16-14 X 1.00 #5
33	715314	2	DECAL BURN WARNING
34	740539	1	HOUR METER 10 - 80 VDC
35	956743	1	BATTERY 12V 40 A. H.
36	360310BAL	1	IMPELLER - 4 BLADE, BALANCED

MOUNTING FRAME ASSEMBLY



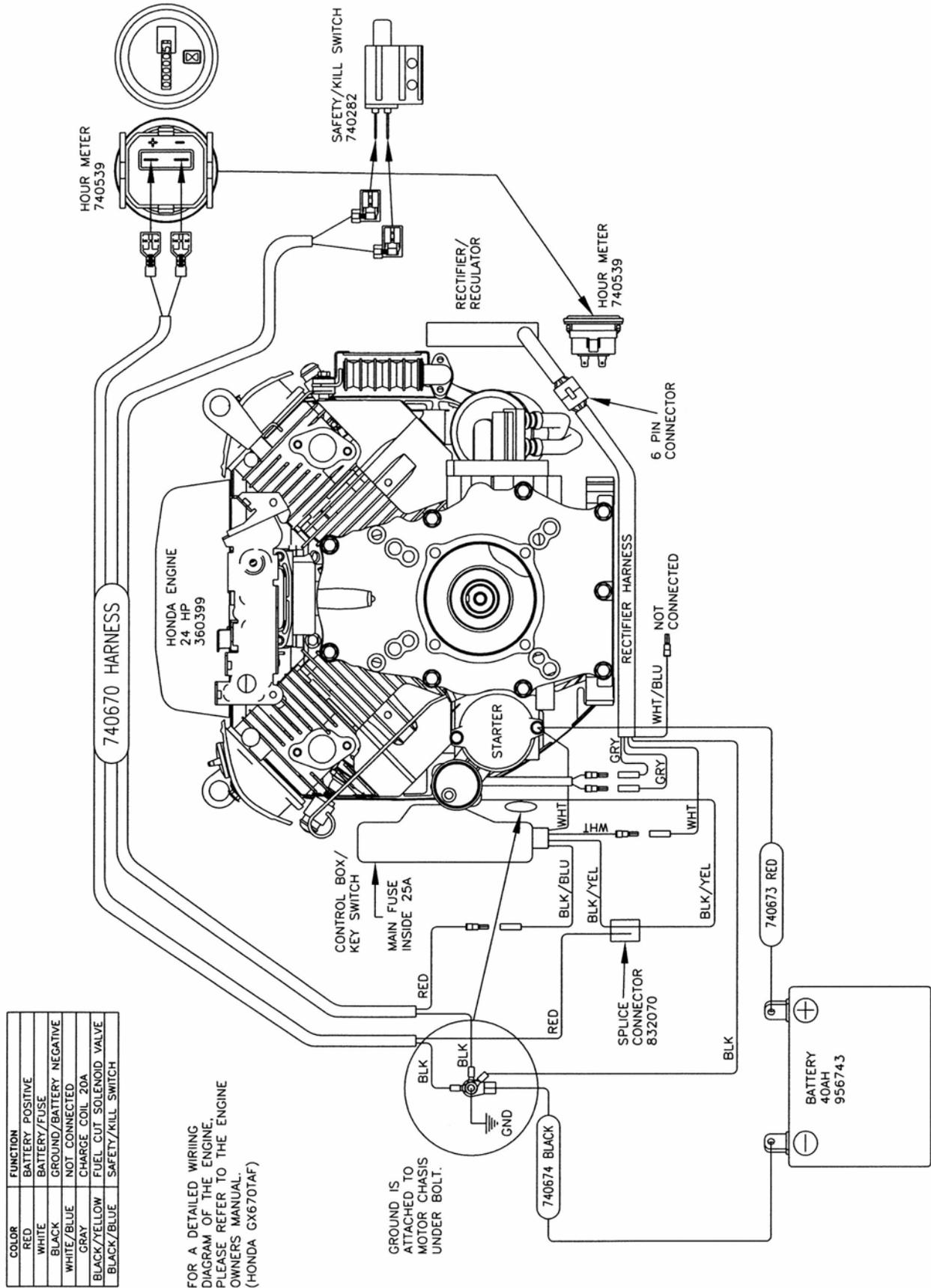
BILL OF MATERIAL - 360397			
ITEM	PART NO.	REQ'D	DESCRIPTION
1	58-05-A	2	WSHR-FLAT, .515" DIA X 1.625" OD X .070" THK
2	88-112-B	6	RING, RUBBER
3	88-114-A	2	WING NUT 1/2-13
4	88-117-B	2	TAILGATE CLAMP
5	340-816	2	1/2-13 JAM NUT
6	364-816	6	1/2-13 NYLOC HALF NUT
7	360393	1	FRAME-BASE
8	360400	1	HOOK WLDT, LH
9	360404	2	BAR
10	360405	1	BAR
11	360431	1	HOOK WLD RH
12	711380	10	NUT-NYLOC 3/8-16 NUT
13	711509	6	WSR-FLAT 1/2 (.54X1.082X.087)
14	712010	4	BLT-HH 1/2-13 X 1.25 ST PL
15	713041	8	BLT-HH 3/8-16 X 3/4 #5
16	713042	2	BLT-HH 3/8-16 X 1 #5

VACUUM NOZZLE ASSEMBLY



BILL OF MATERIAL - 360441			
ITEM	PART NO.	REQ'D	DESCRIPTION
1	360344	2	BRIDGE CLAMP 12 IN.
2	360389	1	HANDLE PLT 12 TUBE LONG
3	360390	1	HANDLE PLT 12 TUBE SHORT
4	360459	1	75 DEGREE END WLDT
5	711374	4	NUT-NYLOC 5/16-18
6	711506	4	WSR-FLT .344 X .690 X .062 STL ZINC
7	713027	4	BLT-HH 5/16-18 X 1 #5

WIRING DIAGRAM



REPLACEMENT PARTS

PART NUMBER	DESCRIPTION
360471	OUTER FILTER
360472	AIR CLEANER ELEMENT
360473	RECTIFIER ASSY
360474	SPARK PLUG (ZGR5A-NGK)
360475	8mm FLANGE NUT (FOR EXHAUST FLANGES)
360476	EXHAUST PIPE GASKET
360477	IGNITION KEY
360478	OIL FILTER

LIMITED WARRANTY

The Parker Sweeper Company warrants to the original purchaser/user that this product is free from defects in workmanship and materials under normal use and service for a period of two years from date of purchase. In addition, Parker Sweeper Company will, at its option, honor labor warranty claims for the first 12 months from date of sale, provided such claims are submitted through and approved by factory authorized repair stations. Parker Sweeper Company will, at its option, repair or replace without charge, except for transportation costs, parts that fail under normal use and service when operated and maintained in accordance with the applicable operation and instruction manuals.

This warranty does not apply to normal wear, or to items whose life is dependent on their use and care, such as belts, cords, switches, hoses, rubber parts, electrical motor components or adjustments. Parts not manufactured by Parker Sweeper Company such as engines, batteries, battery chargers, hydraulic pumps, and tires are covered by and subject to the warranties and/or guarantees of their manufacturers. Please contact Parker Sweeper Company for procedures in warranty claims against these manufacturers.

Special warning to purchaser — Use of replacement filters and/or prefilters not manufactured by Parker Sweeper Company or its designated licensees, will void all warranties expressed or implied.

A potential health hazard exists without exact original equipment replacement.

All warranted items become the sole property of Parker Sweeper Company or its original manufacturer, whichever the case may be.

Parker Sweeper Company disclaims any implied warranty, including the warranty of merchantability and the warranty of fitness for a particular purpose. Parker Sweeper Company assumes no responsibility for any special, incidental or consequential damages.

This limited warranty is applicable only in the U.S.A. and Canada, and is extended only to the original user/purchaser of this product. Customers outside the U.S.A. and Canada should contact their local distributor for export warranty policies. Parker Sweeper Company is not responsible for costs or repairs performed by persons other than those specifically authorized by Parker Sweeper Company. This warranty does not apply to damage from transportation, alterations by unauthorized persons, misuse or abuse of the equipment, use of non-compatible chemicals, or damage to property, or loss of income due to malfunctions of the product.

If a difficulty develops with this machine, you should contact the dealer from whom it was purchased.

This warranty gives you specific legal rights, and you may have other rights, which vary from state to state. Some states do not allow the exclusion or limitation of special, incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you.



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