

# OWNER'S MANUAL

- ASSEMBLY
- OPERATION
- MAINTENANCE
- PARTS LIST

*3HP*

**Model Nos.**

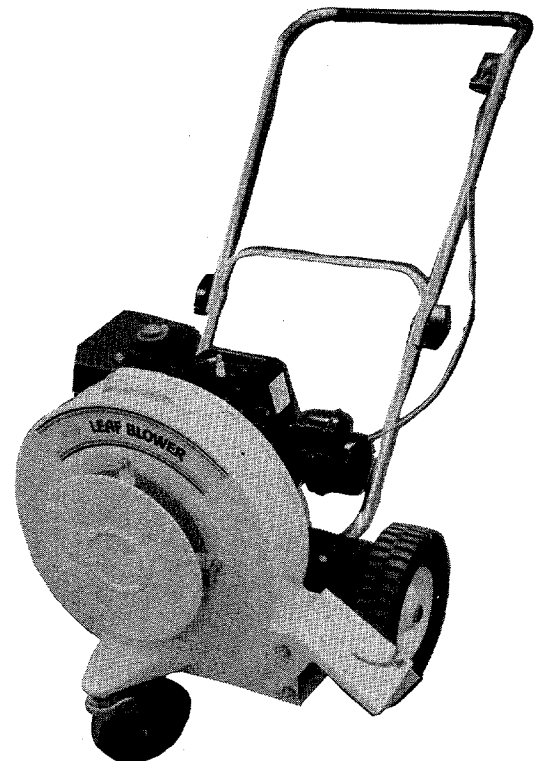
**249-688A**

**249-690A**

## Important :

**Read Safety Rules and  
Instructions Carefully**

## LEAF BLOWERS



# LIMITED WARRANTY

For one year from the date of original retail purchase, MTD PRODUCTS INC will either repair or replace, at its option, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. Transportation charges under this warranty must be paid by the purchaser unless return is requested by MTD PRODUCTS INC.

This warranty will not apply to any part which has become inoperative due to misuse, excessive use, accident, neglect, improper maintenance, alterations, or unless the unit has been operated and maintained in accordance with the instructions furnished. This warranty does not apply to the engine, motor, battery, battery charger or component parts thereof. Please refer to the applicable manufacturer's warranty on these items.

This warranty will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of MTD.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

## WARNING TO PURCHASERS OF INTERNAL COMBUSTION ENGINE EQUIPPED MACHINERY OR DEVICES IN THE STATE OF CALIFORNIA

The equipment which you have just purchased does not have a spark arrester. If this equipment is used on any forest covered land, brush covered land, or grass covered unimproved land in the State of California, before using on such land, the California law requires that a spark arrester be provided. In addition, spark arrester is required by law to be in effective working order. The spark arrester must be attached to the exhaust system and comply with Section 442 of the California Public Resources Code.

# **IMPORTANT**

It is suggested that this manual be read in its entirety before attempting to assemble or operate. Keep this manual in a safe place for future reference and for ordering replacement parts.

This unit is shipped **WITHOUT GASOLINE** or **OIL**. After assembly, see operating section of this manual for proper fuel and amount.

## **SAFE OPERATION PRACTICES FOR LEAF BLOWERS**

1. Read the operating and service instructing manual carefully. Be thoroughly familiar with the controls and proper use of the Power Leaf Blower.
2. Never allow children to operate this power Leaf Blower.
3. Keep the area of operation clear of all persons, particularly small children and pets.
4. Check fuel before starting engine. Do Not fill fuel tank indoors, when engine is running, or while engine is hot. Wipe off any spilled fuel before starting engine.
5. Do Not change engine governor settings.
6. Do Not put hands near rotating parts for any reason.
7. If the power Leaf Blower should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
8. Before cleaning, repairing or inspecting make certain all moving parts have come to a complete stop. Disconnect spark plug wire and keep wire away from plug to prevent accidental starting. Also keep throttle control lever in the stop position.
9. If the power Leaf Blower should become blocked with debris at any point shut engine off and wait until the impeller comes to a complete stop before attempting to remove the obstruction. Disconnect spark plug wire to prevent accidental starting.
10. Check all bolts for tightness at frequent periods.
11. Never store this power Leaf Blower with fuel in the tank. Allow engine to cool before starting in any enclosure.
12. Keep equipment free of debris when not in use.
13. Never operate this Leaf Blower unless impeller guard and guard assembly are properly affixed in their place.
14. Never change inlet nozzle or auxiliary hose attachment when engine is running.
15. The manufacturer recommends that the operator wear safety glasses or some other suitable eye protection when operating this machine.
16. Exercise caution whenever operating Leaf Blower. Do Not allow exhaust to be pointed in the persons.

# PRE-ASSEMBLY



The right and left side of your Leaf Blower is determined from operator's position.

Before any step is undertaken, the instructions for that step should be read through.

## TOOLS REQUIRED:

- A. (1) 5/16" wrench
- B. (1) 3/8" wrench
- C. (2) 1/2" wrenches

## MATERIALS REQUIRED:

- 1. Funnel (for gas and oil—NOTE: Do not mix).
- 2. S.A.E. 30 Oil — 1-1/4 pints.
- 3. Gas (regular).
- 4. Cleaning rag.

## PARTS IN CARTON

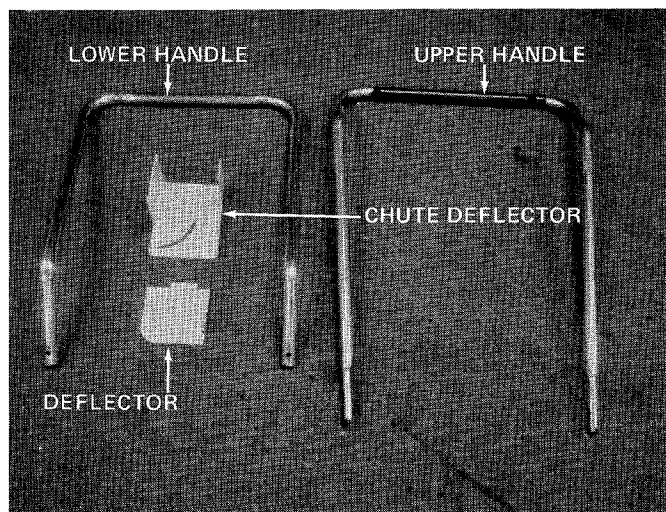


FIGURE 1



The letters listed below will be referred to throughout the following text for easier hardware identification.

## LIST OF CONTENTS IN HARDWARE PACK: (See figure 2)

- A. (2) Hand Knobs
- B. (2) Curved Head Bolts
- C. (2) Hex Screws 5/16-18 x 1.25" Lg.
- D. (2) Lockwashers for 5/16" Bolts
- E. (2) Hex Nuts 5/16-18 Thread
- F. (5) Wing Nuts
- G. (5) Flat Washers
- H. (2) Hex Screws #10-32 x 1.25" Lg.
- I. (2) Hex Lock Nuts #10-32 Thread
- J. (1) Carriage Bolt 1/4-20 x .62" Lg.
- K. (1) Cable Tie

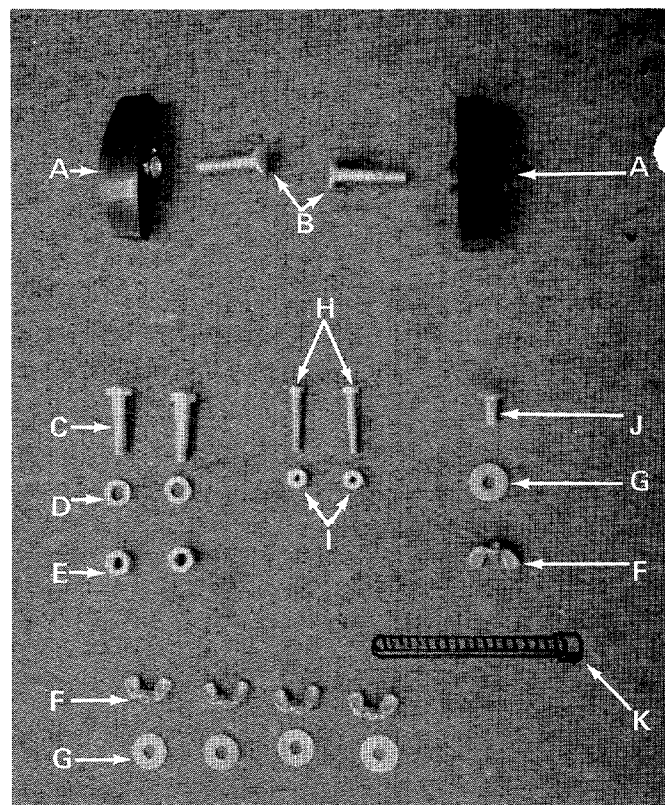


FIGURE 2

## ASSEMBLY INSTRUCTIONS

- 4
- 1. Remove the Leaf Blower, parts pack and all literature from the carton before discarding carton.

- Place the lower handle into holes located in rear of Leaf Blower Frame.

Secure lower handle to frame with two hex screws (C), lockwashers (D) and hex nuts (E). See figure 3. Two 1/2" wrenches are required.

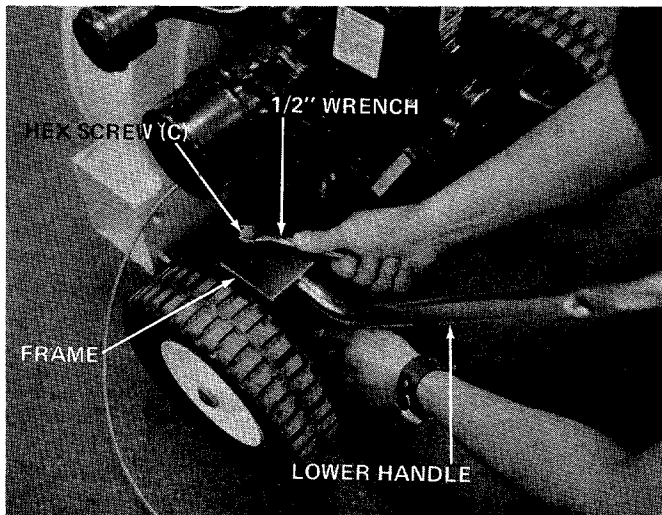


FIGURE 3

- Place the throttle control to the inside of upper handle as shown in figure 5. Secure with hex screws (H) and lock nuts (I). A 3/8" wrench and a 5/16" wrench is required. Tighten securely.

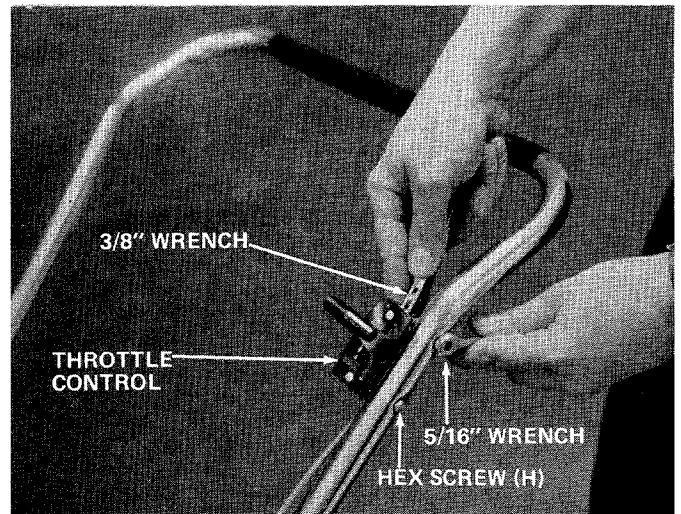


FIGURE 5

- Place the upper handle over the lower handle, line up holes and secure with curved head bolts (B) and hand knobs (A). See figure 4.

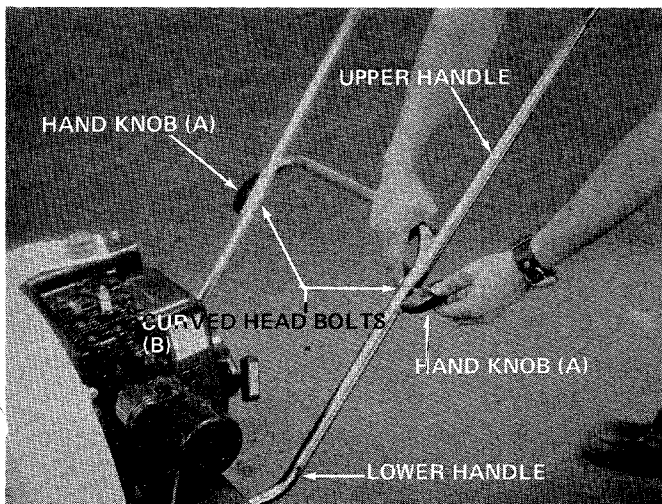


FIGURE 4

- Secure throttle control cable to handle with cable tie (K) provided in hardware pack.

- Pre-assemble the chute deflector and deflector. Slide tab on deflector into slot on chute deflector. Secure deflector to chute deflector with carriage bolt (J), flat washer (G) and wing nut (F). See figure 6.

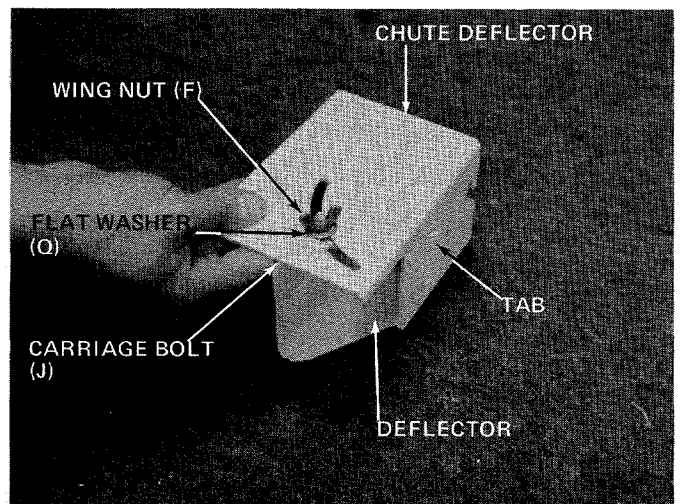


FIGURE 6

- Place the pre-assembled chute deflector on the blower housing. See figure 7. Secure in place with four flat washers (G) and wing nuts (F).

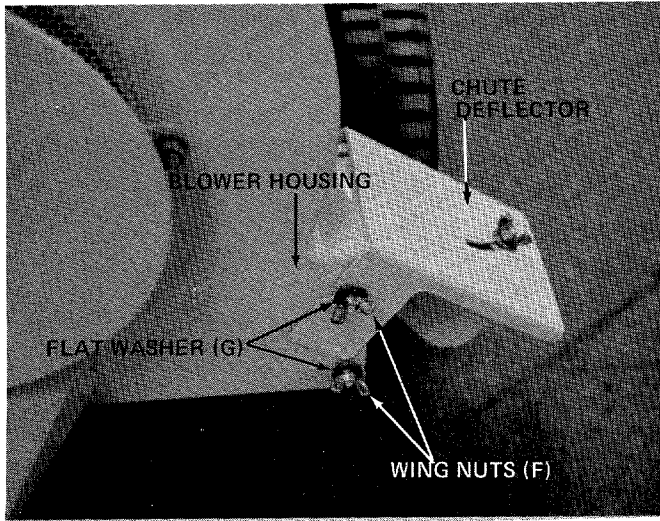


FIGURE 7

## STARTING ENGINE

- Move throttle to start position.
- Pull starter rope with quick, full stroke once. Move hand throttle to fast position and pull starter rope again. See figure 9.
- When engine starts, move throttle to "RUN" position until engine warms up.

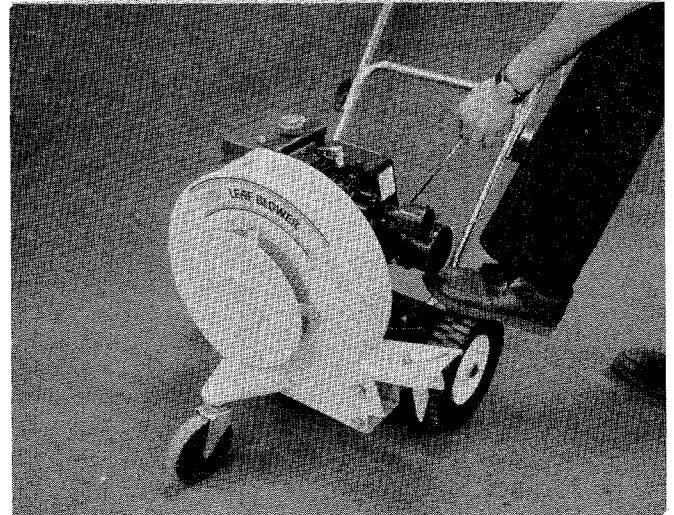


FIGURE 9

## BEFORE STARTING ENGINE

- Remove oil fill plug and fill crankcase with 1-1/4 pints S.A.E. No. 30 oil. See figure 8.
- Clean fuel tank with good grade regular, clean, fresh gasoline. DO NOT MIX OIL WITH GASOLINE. FOR COMPLETE ENGINE INFORMATION, READ ENGINE INSTRUCTION BOOKLET BEFORE STARTING OR OPERATING.

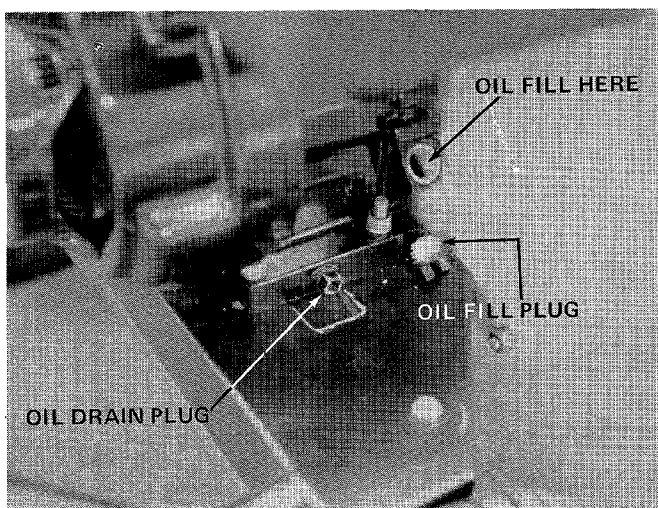


FIGURE 8

## TWO WAY AIR DISCHARGE



Do Not make this adjustment or any adjustment with the engine running. Stop the engine, disconnect the spark plug wire and ground plug wire to engine block.

- 6 Your Leaf Blower is equipped with an adjustable chute deflector. Simply loosen two wing nuts at each side of deflector to raise or lower. You also can direct the air by loosening the wing nut on top and moving the deflector from side to side. See figure 10.



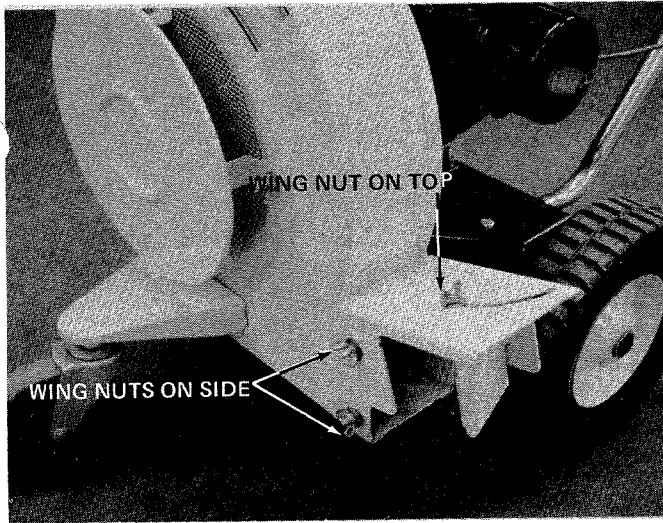


FIGURE 10

## USE OF OPTIONAL EQUIPMENT

If you use optional equipment (such as inlet nozzle or auxiliary hose) proceed as follows.



**WARNING**

Do Not make any adjustment with the engine running. Stop the engine, disconnect the spark plug wire and ground plug wire to engine block.

1. Remove the guard assembly by removing four hex nuts and lock washers. See figure 11.
2. Lift off impeller guard (screen). See figure 12.
3. Whenever attachments are removed, guard assembly and impeller guard (screen) **Must Be** reassembled.

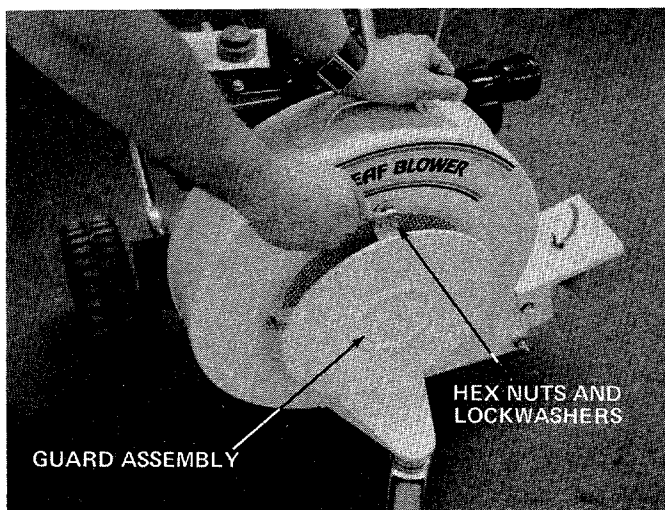


FIGURE 11

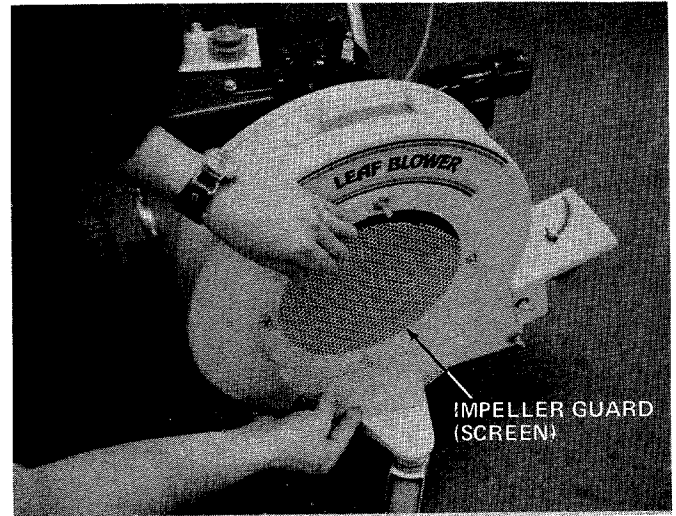


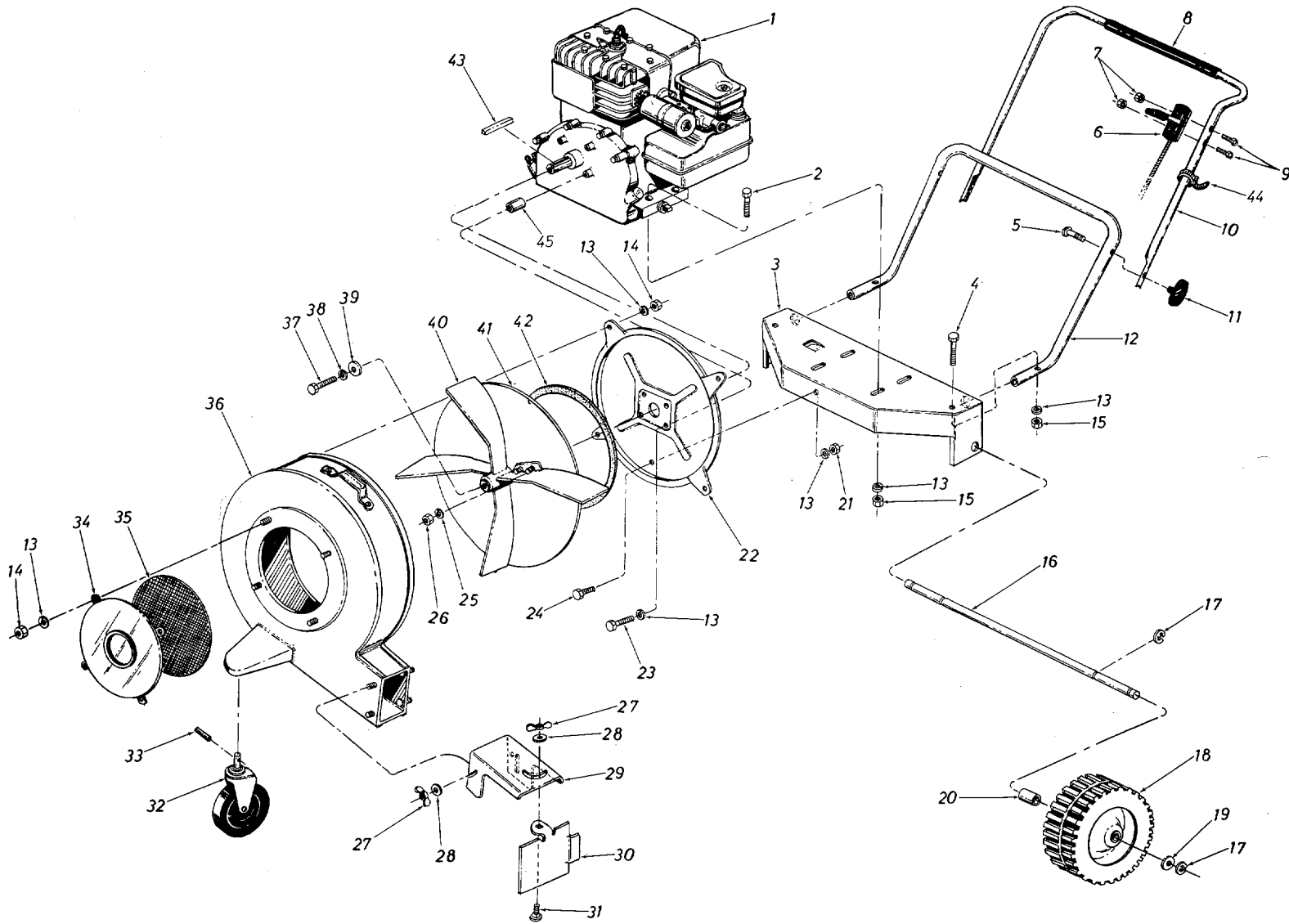
FIGURE 12

## MAINTENANCE AND LUBRICATION

Your Leaf Blower like all machines with moving parts must receive care and maintenance. The following tips, if used, will contribute many trouble-free hours to your blower.

1. Check oil level frequently. When changing oil, make sure dirt and debris is cleaned off oil sump before removing oil plug.
2. Keep blower clean, especially the engine, and engine air filter.
3. Check all nuts, bolts and screws occasionally to be sure blower is in good operating condition.
4. The wheel bearings are pre-lubricated at the factory and should require no further attention until blower is serviced. However, it is advisable to remove the wheels and apply a small amount of light oil to each axle, at least once a season.
5. If you are going to store your blower for any length of time (30 days or longer) it is important that the following steps be taken:
  - A. Drain the gas tank. Start the engine. Allow it to run out of gas. Gasoline left in the engine will leave gum deposits in the carburetor and gas tank.
  - B. Clean engine of all foreign matter.
  - C. Lubricate cylinder by removing the spark plug and pour in one ounce of clean lubricating oil through the spark plug hole into the cylinder. Crank engine slowly to spread oil and replace spark plug. To start after storage, remove spark plug and rotate engine with starter to remove excess oil.

# 249-688A 249-690A





**PARTS LIST FOR LEAF BLOWER MODELS 249-688A AND 249-690A**

Ref. No.	PART No.	COLOR CODE	DESCRIPTION	New Part
1	-----		Engine (3) or (5) H.P.	
2	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
3	13739		Engine Plate Assembly	N
4	710-0528		Hex Scr. 5/16-18 x 1.25" Lg.*	
5	710-0405		Curved Hd. Carriage Bolt 5/16-18 x 1.75	
6	2142-073		Throttle Control Complete	
7	712-0162		Hex L-Nut #10-32 Thd.	
8	1710-053		Grip - Handle	
9	1509-003		Hex Scr. #10-32 x 1.25" Lg.	
10	3712-163		Upper Handle	
11	09966		Hand Knob	
12	3712-106		Lower Handle	
13	736-0119		L-Wash. 5/16" Scr.*	
14	712-0267		Hex Nut 5/16-18 Thd.*	
15	712-0267		Hex Nut 5/16-18 Thd.*	
16	2631-043		Axle	
17	716-0106		"E" - Ring	
18	2108-220		Wheel Assembly Complete	
19	736-0290		Fl.-Wash. 21/32 x 1.0" x 1/16 Thk.	
20	1624-165		Wheel Spacer	
21	712-0267		Hex Nut 5/16-18 Thd.*	
22	11452		Mounting Plate	
23	710-0117		Hex Scr. 5/16-24 x 1.00" Lg.*	
24	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
25	736-0217		L-Wash. 3/8" Scr. Heavy Duty	
26	712-0241		Hex Nut 3/8-24 Thd.*	
27	712-0113		Wing Nut 1/4-20 Thd.	
28	736-0173		Fl.-Wash. 1/4" I.D.	
29	13742		Deflector - Chute	N
30	13741		Deflector	N
31	710-0134		Carriage Bolt 1/4-20 x .62" Lg.	
32	2192-002		Caster Assembly	
33	1548-021		Roll Pin	
34	13738		Guard Assembly	N
35	13796		Impeller Guard	N
36	13735		Housing Assembly Complete	N
37	710-0152		Hex Scr. 3/8-24 x 1.00" Lg.*	
38	736-0169		L-Wash. 3/8" Scr.*	
39	07386		Fl.-Wash.	
40	12230		Air Vane	
41	13734		Vane Plate Assembly	N
42	721-0128		Gasket	
43	714-0133		Sq. Key 3/16 x 3/16 x 1.50" Lg.	
44	726-0178		Cable Tie	
45	40301		Spacer	

\*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

(436 - Radiant Yellow) When ordering parts if color or finish is important, use color code shown at left. (e.g. Radiant Yellow Finish - 11907 (436).

The engine is not under warranty by the mower manufacturer. If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines - Gasoline."



# PARTS INFORMATION

## POWER EQUIPMENT PARTS AND SERVICE

Parts and service for all MTD manufactured power equipment are available through the authorized service firms listed below. All orders should specify the model number of your unit, parts number, description of parts and the quantity of each part required.

<b>ALABAMA</b>	<b>BIRMINGHAM</b>	
Auto Electric & Carburetor Co.	2625 4th Ave. S.	35233
<b>ARKANSAS</b>	<b>NORTH LITTLE ROCK</b>	
Sutton's Lawn Mower Shop	Rt. 4 Box 368	72117
	<b>FORT SMITH</b>	
Mity Mile Motors, Inc.	2515 Towson Ave.	72901
<b>CALIFORNIA</b>	<b>PORTERVILLE</b>	
Billious	75 North D Street.	93257
	<b>SAN BERNARDINO</b>	
Lawn Mower Supply Co.	25608 E. Baseline	92410
	<b>SAN FRANCISCO</b>	
J.W. Jewett Co.	981 Folsom St.	94107
	<b>SACRAMENTO</b>	
Luttig & Severson	2030 28th St.	95818
<b>COLORADO</b>	<b>DENVER</b>	
South Denver Lawn Equip.	527 West Evans.	80223
<b>FLORIDA</b>	<b>JACKSONVILLE</b>	
Radco Distributors	2403 Market St.	32206
	<b>CORAL GABLES</b>	
Moz-All of Florida, Inc.	365 Greco Ave.	33146
<b>GEORGIA</b>	<b>EAST POINT</b>	
East Point Cycle & Key	2834 Church St.	30344
<b>ILLINOIS</b>	<b>LYONS</b>	
Keen Edge Co.	8615 Ogden Ave.	60534
<b>INDIANA</b>	<b>ELKHART</b>	
Parts & Sales Inc.	2101 Industrial Pkwy.	46514
<b>IOWA</b>	<b>DUBUQUE</b>	
Power Lawn & Garden Equip.	2551 J.F. Kennedy	52001
<b>LOUISIANA</b>	<b>NEW ORLEANS</b>	
Suhren Engine Co.	8330 Earhart Blyd.	70118
<b>MARYLAND</b>	<b>TAKOMA PARK</b>	
Center Supply Co.	6867 New Hampshire Ave.	20012
<b>MASSACHUSETTS</b>	<b>SPRINGFIELD</b>	
Morton B. Collins Co.	300 Birnie Ave.	01107
<b>MICHIGAN</b>	<b>MOUNT CLEMENS</b>	
Power Equipment Dist.	36463 South Gratiot	48043
	<b>LANSING</b>	
Lorenz Service Co.	2500 S. Pennsylvania	48900
<b>MINNESOTA</b>	<b>MINNETONKA</b>	
Hance Distributing Inc.	11212 Wayzata Blvd.	55343
<b>MISSISSIPPI</b>	<b>BILOXI</b>	
Biloxi Sales & Service, Inc.	506 Caillavet St.	39533
<b>MISSOURI</b>	<b>KANSAS CITY</b>	
Automotive Equip. Service	3117 Holmes St.	64109
	<b>ST. LOUIS</b>	
Henzler, Inc.	2015 Lemay Ferry Rd.	63125
<b>NEW JERSEY</b>	<b>BELLMAWR</b>	
Lawnmower Parts Inc.	717 Creek Rd., P.O. Box 7	08030
	<b>RUTHERFORD</b>	
Field Distributor	28 Glen Rd.	07070

## BRIGGS & STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing **Engines—Gasoline**, Briggs & Stratton or Tecumseh Lauson.

<b>NEW YORK</b>	<b>CARTHAGE</b>	
Gamble Dist., Inc.	West End Ave.	13619
<b>NORTH CAROLINA</b>	<b>GREENSBORO</b>	
Dixie Sales Company	327 Battleground Ave.	27402
	<b>GOLDSBORO</b>	
Smith Hardware Co.	515 N. George St.	27530
<b>OHIO</b>	<b>WADSWORTH</b>	
National Central	687 Seville Rd.	44281
	<b>CLEVELAND</b>	
Bleckrie, Inc.	7900 Lorain Ave.	44102
	<b>CARROLL</b>	
Stebe's Mid-State Mower Supply	Box 366-71 High St.	43112
	<b>WILLARD</b>	
<b>OKLAHOMA</b>	<b>MUSKOGEE</b>	
Victory Motors, Inc.	605 S. Cherokee	74401
	<b>ADA</b>	
Ada Auto Supply	301 E. 12th St.	74820
<b>OREGON</b>	<b>PORTLAND</b>	
Kenton Supply Co.	8216 N. Denver Ave.	97217
<b>PENNSYLVANIA</b>	<b>HARRISBURG</b>	
Eeco Inc.	4021 N. 6th St.	17110
	<b>PHILADELPHIA</b>	
Thompson Rubber Co.	5222-24 N Fifth St.	19120
	<b>PITTSBURGH</b>	
Bluemont Co.	11125 Frankstown Rd.	15235
<b>TENNESSEE</b>	<b>KNOXVILLE</b>	
Master Repair Service	2423 Broadway, N.E.	37917
	<b>MEMPHIS</b>	
Memphis Cycle & Supply Co.	421 Monroe Ave.	381
American Sales & Service, Inc.	1922 Lynnbrook	381
<b>TEXAS</b>	<b>DALLAS</b>	
Marr Brothers, Inc.	423 E. Jefferson	75203
	<b>HOUSTON</b>	
Bullard Supply Co.	2409 Commerce St.	77003
	<b>SAN ANTONIO</b>	
Catto & Putty, Inc.	P.O. Box 2408	78206
	<b>FORT WORTH</b>	
Woodson Sales Corp.	1702 N. Sylvania	76111
<b>UTAH</b>	<b>SALT LAKE CITY</b>	
A-1 Engine & Mower Co.	437 E. 9th St.	84111
<b>VERMONT</b>	<b>BURLINGTON</b>	
Vermont Howe Co., Inc.	180 Flynn Ave.	05401
<b>VIRGINIA</b>	<b>RICHMOND</b>	
RBI Corp.	963 Myers St.	23260
<b>WASHINGTON</b>	<b>SEATTLE</b>	
Bailey's Inc.	1414 14th Ave.	98122
<b>WEST VIRGINIA</b>	<b>CHARLESTON</b>	
Young's, Inc.	233 Virginia St., E.	25301
<b>WISCONSIN</b>	<b>APPLETON</b>	
Automotive Supply Co.	123 S. Linwood Ave.	54911

### WARRANTY PARTS AND SERVICE POLICY

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customer's responsibility.

#### CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES

1. Replacement of Missing Parts on new equipment.
2. Replacement of Defective Parts within the warranty period.
3. Repair of Defects within the warranty period.

All claims MUST be substantiated with the following information:

1. Model Number of unit involved.
2. Date unit was purchased or first put into service.
3. Date of failure.
4. Nature of failure.