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Owner's Operating Service Instruction Manual

Model No. 114-530A

ASSEMBLY

- OPERATION
- REPAIR PARTS

22" HI WHEEL ROTARY MOWER

WARRANTY

For one year from date of purchase, MTD Products Inc will replace for the original purchaser, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. All transportation charges on parts submitted for replacement under this warranty must be paid by the purchaser. This warranty does not include replacement of parts which become inoperative through misuse, excessive use, accident, neglect, improper maintenance or alterations by unauthorized persons. This warranty does not include the engine, motor, battery, battery charger or any component parts thereof. For service on these units, refer to the applicable manufacturer's warranty.

The above warranty will apply only to the original owner and will be effective only if the warranty card has been properly processed. It will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. UNDER NO CIRCUMSTANCES WILL THE RETURN OF A COMPLETE UNIT BE ACCEPTED BY THE FACTORY UNLESS PRIOR WRITTEN PERMISSION HAS BEEN EXTENDED.

MTD PRODUCTS INC . 5389 WEST 130th STREET . P. O. BOX 2741 CLEVELAND OHIO 44111

PRINTED IN U.S.A.

IMPORTANT

SAFE OPERATION PRACTICES FOR WALK-BEHIND MOWERS

TRAINING

- Read the Operating and Service Instruction Manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment.
- 2. Never allow children to operate a power mower.
- 3. Keep the area of operation clear of all persons, particularly small children and pets.

PREPARATION

- Thoroughly inspect the area where the equipment is to be used and remove all stones, sticks, wire, bones and other foreign objects.
- Do not operate equipment when barefoot or wearing open sandals. Always wear substantial footwear.
- 3. Check the fuel before starting the engine. Do not fill the gasoline tank indoors, when the engine is running, or while the engine is still hot. Wipe off any spilled gasoline before starting the engine.
- 4. Disengage the self-propelled mechanism or drive clutch on units so equipped before starting the engine (motor).
- 5. Never attempt to make a wheel adjustment while the engine (motor) is running.
- 6. Mow only in daylight or in good artificial light.
- 7. Never operate the equipment in wet grass. Always be sure of your footing; keep a firm hold on the handle and walk, never run.

OPERATION

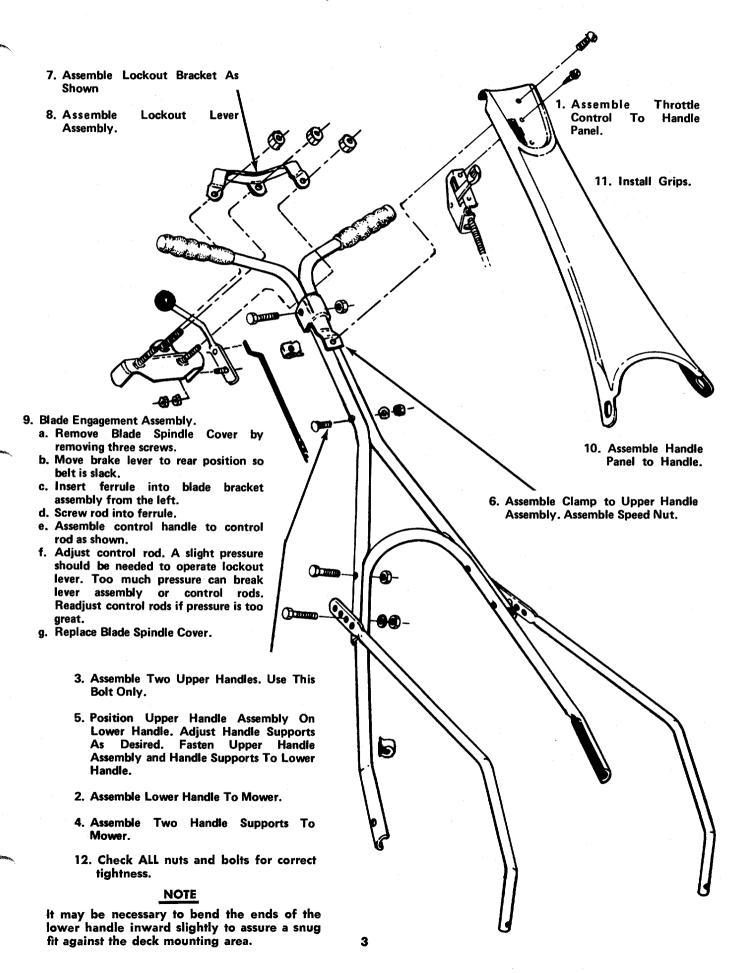
- 1. Do not change the engine governor settings or overspeed the engine.
- Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- Stop the blade(s) when crossing gravel drive, walks or roads.
- 4. After striking a foreign object, stop the engine (motor), remove the wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

- If the equipment should start to vibrate abnormally, stop the engine (motor) and check immediately for the cause. Vibration is generally a warning of trouble.
- 6. Stop the engine (motor) whenever you leave the equipment, before cleaning the mower housing, and when making any repairs or inspections.
- 7. When cleaning, repairing or inspecting, make certain the blade and all moving parts have stopped. Disconnect the spark plug wire, and keep the wire away from the plug to prevent accidental starting.
- 8. Do not run the engine indoors.
- Shut the engine (motor) off and wait until the blade comes to a complete stop before removing the grass catcher or unclogging chute.
- Mow across the face of slopes, never up-anddown. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes.
- 11. Always disconnect electric mowers (line operated) before cleaning, repairing or adjusting.
- 12. Never operate mower without proper guards, plates or other safety protective devices in place.
- 13. Keep washout ports and other mower-housing service openings closed when mowing.

MAINTENANCE AND STORAGE

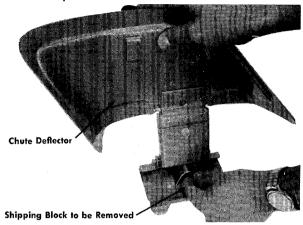
- 1. Check the blade and engine mounting bolts at frequent intervals for proper tightness.
- 2. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
- 3. Never store the equipment with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
- 4. To reduce fire hazard, keep the engine free of grass, leaves, or excessive grease.
- Check the grass catcher bag frequently for wear or deterioration. Replace with new bag for safety protection.

Note: Follow Assembly Instructions In Numerical Order!



CAUTION

Please note that the chute deflector on your mower is in an upright position. It is held in that position by a shipping block. This block is used for shipping purposes only. It must be removed and discarded before your mower is put into operation.



NOTE

For shipping purposes your mower is set with the wheels in a low cutting height position. For best results raise the cutting position until it is determined which height is best for your lawn. See adjustments.

OPERATION

- Before starting engine, check LUBRICATION IN-STRUCTIONS.
- 2. Check lockout control handles for proper operation. If too great a pressure is needed to operate these controls, damage can be done to both the mechanism and the rods. Readjust so only slight pressure is needed to operate both the blade engaging control and the self-propelled lockout control. See ASSEMBLY INSTRUCTIONS Step 9.
- Service engine with gasoline and oil. See engine instructions for complete care and maintenance of engine. READ DIRECTIONS CAREFULLY.
- Be sure engine crankcase is filled to capacity with proper grade of oil.
- 5. Move both control handles to "OFF" position.
- 6. Move throttle control lever to "CHOKE" position.
- 7. Crank engine. Move throttle control lever to "FAST" position as soon as engine fires. Use choke as needed to keep engine running during warm up period.

- 8. Put blade into motion by moving blade control handle to "ON" position.
 - To engage the blade with the engine running . . .
 - a. Move the throttle control lever to "FAST" position.
 - b. Engage the blade engagement handle SLOWLY.
 - c. Adjust engine speed.
- 9. A brief break-in period is essential to insure maximum engine and mower life. This consists of running the engine at half speed for a period of time required to use one tank of gasoline. It is also recommended to change crankcase oil after the first five hours of operation or as operating conditions dictate. Always check oil before operating the mower. BE SURE CRANKCASE IS FULL.
- 10. Proper lubrication must be maintained at all times.
- Appropriate clothing should be worn when cutting brush or heavy weeds. Safety shoes and safety glasses are highly recommended.
- 12. The engine is stopped by moving the throttle control lever to "STOP" position.

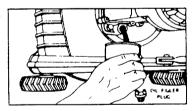
ADJUSTMENT

- Handles may be adjusted by changing the position of the lower support mounting holes. When this change is made, it may also be necessary to check the adjustment of control rod. See Step 9 in AS-SEMBLY INSTRUCTIONS
- Control rod adjustments are made as shown in AS-SEMBLY INSTRUCTIONS Steps 9 and 12.
- 3. Cutting height adjustment is made by removing and moving axle bolts to the desired positions. All axle bolts must be mounted in the same relative position to the deck. When wheels are mounted to the deck, the crown shape washers must be assembled with the crown away from the deck. This is necessary to prevent the axle bolts from loosening.
- 4. If throttle adjustment becomes necessary, the throttle control wire may be reset as follows:
 - Loosen, but do not remove, screw securing throttle control wire assembly at engine.
 - b. Move throttle control lever on handle to "CHOKE" position.
 - c. Move lever to which control wire is fastened to engine to full choke position. Retighten screw to secure throttle control wire assembly.

LUBRICATION

Important: Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on the lawn mower.

- Wheels—Front wheel bearings are of self-lubricating Fortiflex. They require no lubrication. Rear wheels of Lifetime graphoil bearings require little lubrication. A light tim of oil applied to these bearings will reduce normal friction.
- Throttle—Periodically lubricate throttle control lever and entire length of throttle wire assembly with a few drops of SAE 30 engine oil for ease of operation.
- 3. Engine—Follow engine manual for lubrication instructions. Check oil level before each mowing.
- 4. Friction point between idler bracket assembly (Ref. No. 94) and deck should be greased once each season with a multi-purpose grease.
- 5. Blade Spindle Assembly—The Blade Spindle Assembly is equipped with a grease fitting. Use grass discharge chute for access to the fitting located under the deck. Use multi-purpose grease. Lubricate PRIOR to initial use and every 25 hours thereafter. Caution: Be sure spark plug wire is disconnected and grounded.



NOTE: FILL AND DRAIN OIL FROM OIL FILL PLUG.

Always disconnect spark plug cable during repairs, refueling or changing oil. Engine oil may be drained through oil filler opening by tilting the mower on its side. Change oil after first 5 hours of operation while engine is warm. Thereafter, change oil every 25 hours of operation while engine is warm.

- Protective Shield The pivot points on the protective shield should be lubricated periodically with oil to prevent any rust or binding up.
- Chute Deflector The torsion spring and pivot point should be lubricated periodically with oil to prevent any rust or binding up. Deflector must work freely.

MAINTENANCE

Important: Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on the lawn mower.

 Cutting Blade—Remove all nuts and bolts holding the blade to the blade hub.

When sharpening blade, follow the original angle of grind as a guide. It is extremely important that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds and may cause damage to the mower. Upon reassembling, make certain all parts are assembled properly and tightened securely.

2. Deck—The underside of mower deck should be cleaned after each period of use as grass clippings, leaves, dirt and other matter accumulates. This accumulation of grass clippings, etc. is undesirable as it will invite rust and corrosion and may cause an uneven discharge of grass clippings at next cutting.

The deck may be cleaned by tilting the mower backward or on its side and scraping clean with a suitable tool or by washing with a stream of water from a garden hose. **Caution**: Do not direct the stream of water at a hot engine as damage to the engine may result.

- 3. Belt replacement may be made as follows:
 - a. Remove blade spindle cover.
 - b. Remove front belt guard.
 - c. Remove blade tension spring.
 - d. Loosen belt on bracket of idler bearing assembly.
 - e. Remove bracket lever assembly.
 - f. Remove damaged or worn belt.
 - g. Place new belt on engine pulley. Do not bend belt guard pins. Belt should be inside of pins.
 - h. Work belt to front and mount on blade spindle pulley. Replace front belt guard.
 - i. Replace brake lever assembly.
 - Slip belt on idler pulley between pulley and belt bracket.
 - k. Replace blade tension spring.
 - I. Move blade lockout handle to "ON" position.
 - m. Position belt bracket on idler pulley to clear the tightened belt. Secure belt bracket in position. See drawing on page 2.
 - n. Replace blade spindle cover.

NOTE

To insure safe operation of your unit, ALL nuts and bolts must be checked periodically for correct tightness.

- 4. Storage—The following steps should be taken to prepare the lawn mower for storage:
 - Clean and lubricate mower thoroughly as described in the preceding instructions.
 - b. Refer to engine manual for correct engine storage instructions.
- c. Coat mower's cutting blade with multi-purpose grease to prevent rusting.
- d. Place blocks under deck to raise tires clear of floor.

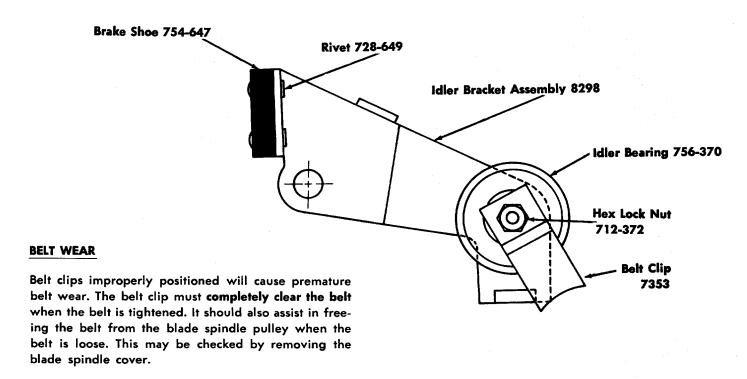
USING YOUR ROTARY MOWER

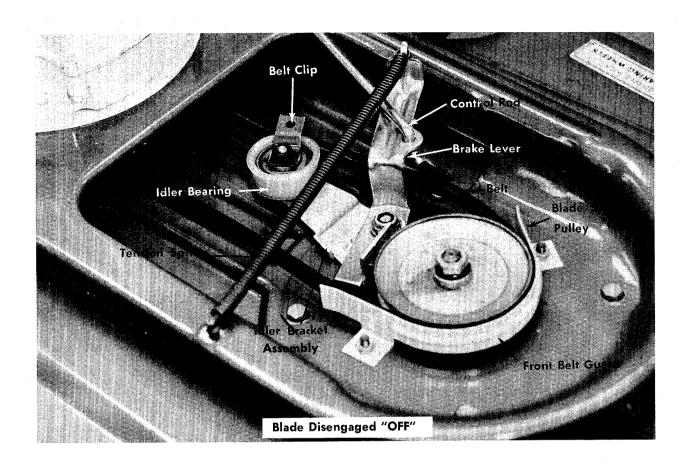
For best results do not cut wet grass because it tends to stick to the underside of the mower, thus preventing proper discharge of grass clippings. If wet grass must be cut, reduce walking speed to help distribute the clippings more effectively.

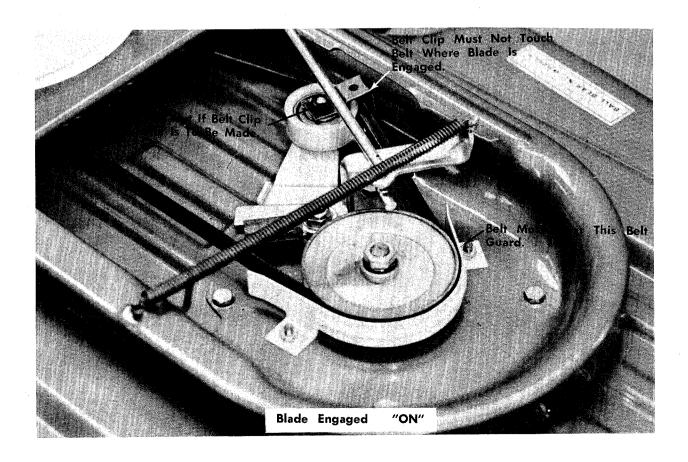
New grass should be treated as wet grass, otherwise a normal walking speed is about the right pace for efficient mowing. The best mowing pattern is one that allows the clippings to discharge towards the uncut part of the lawn. This permits recutting of the clippings to further pulverize them. When cutting high weeds, discharge towards cut portion then recut at right angle to first direction.

Lawns should be cut in fall as long as there is growth.

BLADE IDLER BRACKET ASSEMBLY DETAIL

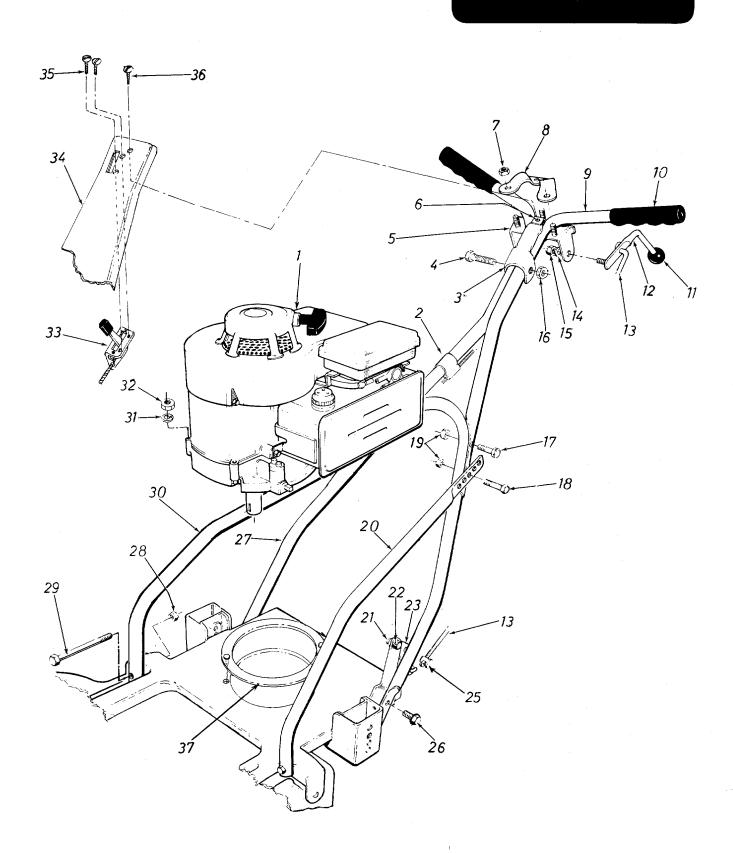






114-530A

IF YOU WRITE TO US ABOUT THIS ARTICLE OR IF YOU ORDER REPLACEMENT PARTS AL-WAYS MENTION THIS MODEL & SERIAL NO MODEL



PARTS LIST FOR MODEL 114-530A

PARIS LIST FOR MODEL 114-330A							
REF. NO.	PART NO.	COLOR	DESCRIPTION	NEW PART			
1			Engine				
2	746-128		Cable Clip for %" Tubing				
3	7861		Clamp Bracket				
4	710 - 606		Hex Scr. ¼-20 x 1.50" Lg.*				
5	8376		Lockout Brkt. Ass'y.				
6	712-526		Speed Nut #10-24				
7	712-320 712-107		Hex Center Locknut 1/4-20 Thd.				
8	8378		Clamp Bracket				
9	9354		Upper Handle (2-Req'd.)				
10	720-157		Grip				
11	7889		Plastic Ball				
12	837		Lockout Lever Ass'y, with				
-			Plastic Ball				
13	711-18	0	Control Rod				
14	736-108		FlWash510 I.D. x .750 O.D.				
15	712-107		Hex Center L-Nut ¼-20 Thd.				
16	712-107 712-107		Hex Center L-Nut 1/4-20 Thd.				
	710-606		Hex Scr. 1/4-20 x 1.50 Lg.				
18	710-606		Hex Scr. 1/4-20 x 1.50" Lg.*				
19	712-107		Hex Center L-Nut 1/4-20 Thd.				
50	832		Lower Handle Support—L.H.				
21	712-13		Hex Inserted L-Nut %-16 Thd.				
22	738-23	4	Shoulder Scr500" Dia. x .295				
23	937	2	Pivot Bracket				
25	711-1 <i>7</i>	9	Adjustable Ferrule				
26	710-20	9	Hex Sems Scr. %-16 x .62				
27	936		Lower Handle				
28	712-10		Hex Center L-Nut ¼-20 Thd.				
29	710-10		Hex Scr. ¼-20 x 2.50" Lg.*				
30	832	8	Lower Handle Support—R.H.				
31	736-11		L-Wash. 5/16				
32	712-12		Hex Nut 5/16-24				
33	746-17		Throttle				
34		5—458	Control Panel				
35	710 - 40	7	Slot Hex Hd. Self Extr. Scr. #8- 32 x .50				
36	710-19	2	Truss Mach. Scr. #10-24 x .38				
37	832	5—458	Belt Trap Ass'y.				
L				l			

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

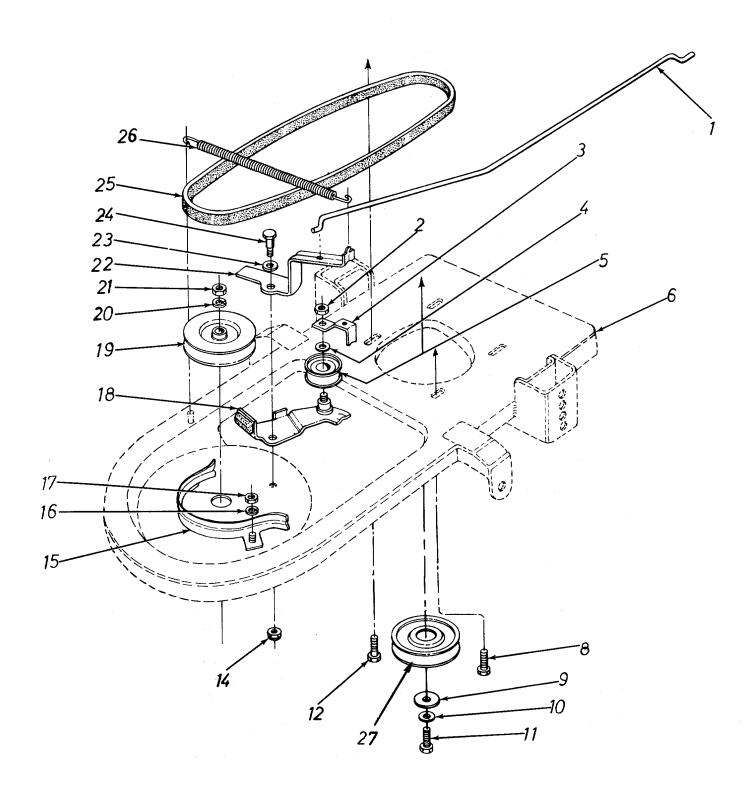
(458-Arctic Blue)

When ordering parts, if color or finish is important, use the appropriate color code shown at left. (e.g. Arctic Blue—11815 (458)

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."



IF YOU WRITE TO US ABOUT THIS ARTICLE OR IF YOU ORDER REPLACEMENT PARTS AL-WAYS MENTION THIS MODEL & SERIAL NO M O D E L-



PARTS LIST FOR MODEL 114-530A

REF. NO.		COLOR CODE	DESCRIPTION	NEW PART	
ון	9373	3	Control Rod		
	712-13	_	Hex Ins. Jam Nut %-24 Thd		
3	4563	3	Belt Clip		
2 3 4 5	736-30	0	FlWash.		
5	756-19		Flat Idler with Flange		
6	11993	3458	Frame Ass'y.	N	
8	710-15	8	Hex Scr. 5/16-24 x 1.25		
9	736-23	5 .	FlWash, .406" I.D. x 1.25"		
			O.D. x .164		
10	736-217	7	Spring L-Wash. ¾" Scr. H.D.		
11	710-152		Hex Scr. %-24 x 1.00" Lg. H.T.		
12	710-158		Hex Scr. 5/16-24 x 1.25		
14	712-130		Hex Ins. Jam Nut %-24 Thd.		
15	8324—458				
1	736-119		Spring L-Wash. 5/16" Scr.*		
17	712-123	-	Hex Nut 5/16-24		
18	12278	3	Idler Brkt. Ass'y. w. Brake Shoe	,	
19	9,925	5	Sheave Ass'y.—4" Dia.		
			(Blade Spindle)		
20	736-921		Spring L-Wash. ½" Scr.*		
21	712-922		Hex Jam Nut ½-20 Thd.		
22	9371		Brake Lever		
23	736-108	3	FlWash .510" I.D. x .75"		
24	738 - 234	1	O.D. x .033 Shoulder Scr .500" Dia. x . 295		
25	754-109	-	"V"-Belt ½" x 43" Lg.		
26	732-158		Blade Tension Spring		
27	756-206	-	Engine Pulley 4.00" O.D.		
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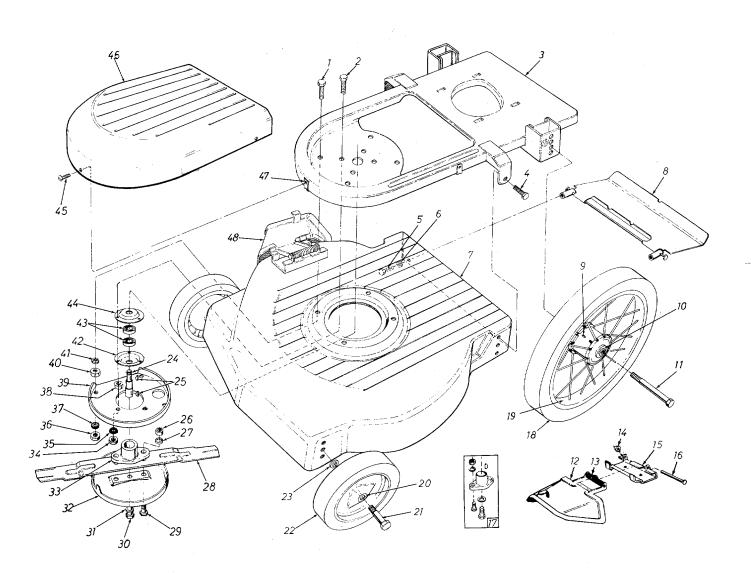
(458—Arctic Blue) When ordering parts, if color or finish is important, use the appropriate color code shown at left. (e.g. Arctic Blue—11815 (458)

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114-530A

IF YOU WRITE TO US ABOUT THIS ARTICLE OR IF YOU ORDER REPLACEMENT PARTS ALWAYS MENTION THIS MODEL & SERIAL NO M O D E L



DEE DADT	
REF. PART DESCRIPTION	NEW PART
1 710-117 2 710-158 3 11993 4 710-209 5 710-567 6 712-107 7 11650 8 11193 9 718-132 10 741-113 11 738-114 12 11679—458 16 711-555 17 10769 18 734-439 19 734-180 19 734-180 19 734-180 19 734-392 20 741-178 21 710-427 21 710-427 22 734-642 23 736-105 24 738-251 25 710-123 27 736-119 28 742-125 29 710-117 30 710-459 31 736-217 30 710-459 31 736-217 30 710-459 31 736-217 30 710-459 31 736-217 31 736-119 31 736-119 32 736-119 33 736-119 34 712-123 35 736-119 36 712-123 37 736-119 37 736-119 38 712-123 39 712-123 40 712-123 41 736-119 42 8253 45 710-192 46 8295—458 47 712-526 48 712-526 59 70 70 70 70 70 70 70 70 70 70 70 70 70	2 2 2

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

When ordering parts, if color or finish is important, use the appropriate (458-Arctic Blue) color code shown at left. (e.g. Arctic Blue—11815 (458)

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NOTE

The manufacturer DOES NOT recommend the use of any accessory on this rotary mower other than those manufactured by MTD Products Inc.

GRASS CATCHER Model No. 194-003A is available as optional equipment for the mowers shown in this manual.

WARNING:

- 1. The mower should not be operated without the entire grass catcher or chute deflector in place.
- 2. The mower should not be operated without the protective shield on the rear of the deck in place.

NOTE:

Under normal usage bag material is subject to wear and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.

For replacement bags, use only factory authorized replacement bag No. 764-119.

IMPORTANT

After striking a foreign object, stop the engine (motor), remove wire from spark plug. Thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

PARTS INFORMATION

DEFECTIVE OR MISSING PARTS must be reported to the factory immediately. Such claims must include your model number and date of purchase.

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 numbers, description of parts and the quantity of each part required.

A 1 Engine & Mower Co. 327 East 9th Street Salt Lake City, Utah 84102

American Electric Ignition Co. 124 N. W. 8th Street Oklahoma City, Oklahoma 73102

Auto Electric & Carburetor Co. 2525 4th Avenue, S. P. O. Box 1948 Birmingham, Alabama 35233

Automotive Equipment Service Co. 3117 Holmes Street Kansas City, Missouri 64109

Bailey's Rebuild Inc. 1325 E. Madison Street Seattle Washington 98102

Bleckrie, Inc. 7900 Lorain Avenue Cleveland, Ohio 44102

Brown Equipment Distributor Inc. 110 Beech Street Corydon, Indiana 47112

Bullard Supply 2409 Commerce Street Houston, Texas 77003

Carl A. Anderson Co. 623 S. 16th Street Omaha, Nebraska 68102

Catto & Putty, Inc. P. O. Box 2408 510 Soledad Street San Antonio, Texas 78205

Center Supply Company 6867 New Hampshire Avenue Takoma Park, Maryland 20012

Dixie Sales Company
P. O. Box 1408
327 Battleground Avenue
Greensboro, North Carolina 27402

East Point Cycle & Key Shop 1617 Whiteway East Point, Georgia 30044 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—Power Products.

Gamble Distributors West End Avenue Carthage, New York 13619

Garden Equipment Co., Inc. 6600 Cherry Avenue Long Beach, California 90805

Gardenville Supply, Inc.
Pipersville, Pennsylvania 18947

Henry W. O'Neil & Assoc., Inc. 410 North Goodman Street Rochester, New York 14609

Henzler, Inc. 2015 Lemay Ferry Road St. Louis, Missouri 63125

Kenton Supply 8216 North Denver Avenue Portland, Oregon 97217

Kimber's Inc. 115 W. Geddes St. Syracuse, New York 13204

The Lawnmower Shop 1340 El Camino Real San Carlos, California 94070

Marr Brothers 423 E. Jefferson Dallas, Texas 75203

Mathews Auto Electric Co. 420 East 2nd Street Tulsa Oklahoma 74120

McClure Lawn & Garden Supply 1114 Lexington Avenue Mansfield, Ohio 44907

Memphis Cycle & Supply Co. 421 Monroe Avenue Memphis Tennessee 38103

Morton B. Collins Co. 300 Birnie Avenue Springfield, Massachusetts 01107

Moz-All of Florida, Inc. 365 Greco Avenue Coral Gables, Florida 33146 National Central, Div. of Joe Sterling, Inc. Drawer "D" 687 Seville Rd. Wadsworth, Ohio 44281

Parts & Sales Inc. 2101 Industrial Pkwy. Elkhart, Indiana 46514

Power Equipment Distributor 36463 So. Gratiot Avenue Mt. Clemens, Michigan 48043

Power Lawn & Garden Equip. Co. 2551-2571 J. F. Kennedy Road Dubuque, Iowa 52001

Radco Distributors

2403 Market Street
P. O. Box 3216

Jacksonville, Florida 32206

Raub Supply Company
James & Mulberry Sts.
Lancaster, Pennsylvania 17604

Richmond Battery & Ignition
P. O. Box 25369 — 957 Myers St.
Richmond, Virginia 23260

Smith Hardware Company 515 N. George Street Goldsboro, North Carolina 27530

South Denver Lawn Equip. Co. 527 West Evans Denver, Colorado 80223

Suhren Engine 8330 Earhart Blvd. New Orleans, Louisiana 70118

Sutton's Lawn Mower Shop Route 4, Box 343 North Little Rock, Arkansas 72117

Warner Equipment 7520 Lyndale Avenue, So. Minneapolis, Minnesota 55423

Woodson Sales & Service 1702 North Sylvania Ft. Worth, Texas 76111

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 over 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
- Replacement of Defective Parts within the warranty period.
- Repair of Defects within the warranty period.

All claims MUST be substantiated with the following information:

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

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