



swisherinc.com

OWNER'S MANUAL

MODEL NO.

WB80024

WB80024S

WB8524



Read and follow all Safety
Rules and Instructions
before operating this
equipment.

Rev. 02.14.02



THE PREDATOR **24" ROUGH CUT** **WALK BEHIND CUTTER**

Assembly
Operation
Service and Adjustment
Repair Parts



1602 CORPORATE DRIVE, P.O. BOX 67, WARRENSBURG, MISSOURI 64093
PHONE (660) 747-8183 FAX (660) 747-8650

Manufacturing quality lawn care equipment since 1945

Made In The

USA

LIMITED WARRANTY

The manufacturer's warranty to the original consumer purchaser is: This product is free from defects in materials and workmanship for a period of one (1) year from the date of purchase by the original consumer purchaser. We will repair or replace, at our discretion, parts found to be defective due to materials or workmanship. This warranty is subject to the following limitations and exclusions:

- 1) Engine Warranty All engines utilized on our products have a separate warranty extended to them by the individual engine manufacturer. Any engine service difficulty is the responsibility of the engine manufacturer and in no way is Swisher Mower Co., Inc. or its agents responsible for the engine warranty. The Briggs & Stratton Engine Service Hot-Line is 1-800-233-3723. The Tecumseh Engine Service Hot-Line is 1-800-558-5402.

- 2) Commercial Use The warranty period for any product used for commercial or rental is limited to ninety (90) days from the date of original purchase.

- 3) Limitations This warranty applies only to products which have been properly assembled, adjusted, and operated in accordance with the instructions contained within this manual. This warranty does not apply to any product of Swisher Mower Co., Inc., that has been subject to alteration, misuse, abuse, improper assembly or installation, shipping damage, or to normal wear of the product.

- 4) Exclusions Excluded from this warranty are normal wear, normal adjustments, and normal maintenance.

In the event you have a claim under this warranty, you must return the product to an authorized service dealer. All transportation charges, damage, or loss incurred during transportation of parts submitted for replacement or repair under this warranty shall be borne by the purchaser. Should you have any questions concerning this warranty, please contact us toll-free at 1-800-222-8183. The model number, serial number, date of purchase, and the name of the authorized Swisher dealer from whom you purchased the mower will be needed before any warranty claim can be processed.

THIS WARRANTY DOES NOT APPLY TO ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES AND ANY IMPLIED WARRANTIES ARE LIMITED TO THE SAME TIME PERIODS STATED HEREIN FOR ALL EXPRESSED WARRANTIES. Some states do not allow the limitation of consequential damages or limitations on how long an implied warranty may last, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may have other rights, which vary from state-to-state. This is a limited warranty as defined by the Magnuson-Moss Act of 1975.

SAFETY PRECAUTIONS AND DECALS



This Safety Alert Symbol indicates important messages in this manual. When you see this symbol, carefully read the message that follows and be alert to the possibility of personal injury.

Read this manual completely. This machine is capable of amputating hands and feet, and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.

- Read the manual. Learn to operate this machine safely.
- Always disconnect the spark plug wire and place the wire where it cannot contact the spark plug, to prevent accidentally starting the engine when setting up, transporting, adjusting or making repairs.
- Keep all shields and guards in place.
- Understand the speed, steering and stability of this machine. Know the positions and operations of all controls before you operate this machine. Check all of the controls in a safe area before starting to work with this machine.
- Allow only responsible adults who are familiar with these instructions to operate this machine. Never allow children to operate this machine.
- Clear the area of objects such as rocks, toys, wire, etc. that can be picked up and thrown by the blade.
- Be sure the area is clear of other people before mowing. Be aware of the mower discharge direction and do not point at anyone. Stop the machine if anyone enters the mowing area. Children are often attracted to the machine and the mowing activity. ***Never assume that children will remain where you last saw them.*** Keep children under the watchful care of another responsible adult.
- **No riders!**
- Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- Do not mow in reverse. Always look down and behind before and while backing.

- Turn off the blades when not mowing. Before leaving the machine, turn off the blades and stop the engine.
- Watch for traffic when operating near or crossing roadways.
- Do not operate the mower if it has been dropped or damaged in any manner or if the mower vibrates excessively. Excessive vibration is an indication of damage. Repair mower as necessary.
- Dress properly. Do not operate the mower when barefoot or wearing open sandals. Wear only solid shoes with good traction when mowing.
- Do not operate the machine while under the influence of alcohol or drugs.
- Operate self-propelled machines up and down slopes. There is significant risk of overturns when operating across slopes. Operate walk-behind machines across slopes. There is a significant risk of slipping under a walk-behind machine when operating up and down slopes.
- Never tamper with safety devices. Check their proper operation regularly.
- Stop and inspect the equipment if you strike an object. Repair, if necessary, before restarting.
- Never make adjustments or repairs with the engine running.
- Mower blades are sharp and can cut. Wrap the blades or wear gloves, and use extra caution when servicing them.



SAFETY PRECAUTIONS AND DECALS

Replace decal immediately if damaged. Order by part number from Swisher Mower and Machine Co. Inc.



OD45 – WARNING DECAL



D55 – DANGER DECAL



D29 – SPINNING BLADE DECAL

OPERATING YOUR NEW CUTTER



The operation of any cutter can produce foreign objects to be thrown into the eyes, resulting in severe eye damage. Always wear certified safety glasses or wide-vision safety goggles before starting any cutting machine and while operating such a machine.



The operation of any cutter produces sound waves that are damaging to the human ear. Ear protection is recommended.



CAUTION!

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. *Never assume that children will remain where you last saw them.*

INTENDED USE

This is not a lawn mower. The Predator is designed for cutting overgrown brush, weeds, and other types of organic growth. This unit is capable of clearing small saplings of 1-1/2" in diameter or less.

PROPULSION

The Predator is self-propelled, and is controlled by a "GROUND CONTROL" bail. To engage the drive, put the transaxle in a gear and activate the lower bail. Releasing the bail will disengage the self-propel.

Under most conditions cutting should be done in a low gear (1st or 2nd). Upper gears should be used for conditions where weeds and brush are thinned out or not as tall. In confined areas the machine can be pushed forwards or backwards by releasing the "GROUND CONTROL" bail, placing the transaxle in neutral, and pushing the machine.

TRAVEL SPEED can be varied by choosing a higher or lower gear using the gearshift lever at the rear of the machine or by changing the engine speed with the engine throttle. Do not adjust speed with blades engaged. To shift the cutter into reverse, release "GROUND CONTROL" bail, disengage blade, and rotate the shift lever to the left. When the lever stops lift up and continue to turn it to the left until it stops again. **Blade will not engage while cutter is in the "reverse" gear.**

BLADE ENGAGE

An “OPERATOR PRESENCE” bail and a “BLADE ENGAGE” lever control engaging the Predator’s blade. Both devices must be activated before the blade will work.

Releasing the “OPERATOR PRESENCE” bail will disengage both the blade and the “BLADE ENGAGE” lever.

STARTING THE ENGINE

- See engine manufacturer’s instructions for the type and amount of oil and fuel used. Engine must be level to accurately check and fill oil.
- Make sure unit is level, blades disengaged, and transaxle in “NEUTRAL”.
- Check spark plug wire, oil, and fuel.
- Turn key switch to the “ON” position.
- Set engine idle to the “CHOKER” position.
- With feet clear of cutter deck, pull engine coil rope. Do not pull rope recklessly.
- Set engine speed by moving “CHOKER” to the desired RPM.

STOPPING

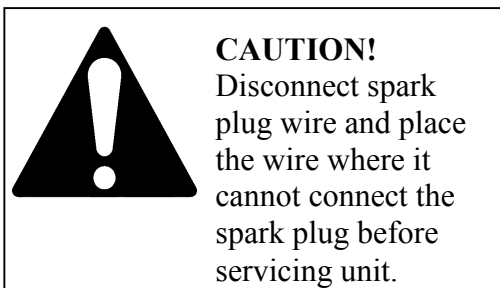
- Bring cutter to a complete stop.
- Disengage the blade.
- Place transaxle in the “NEUTRAL” position.
- Turn key to “OFF” position.
- Remove keys to avoid irresponsible usage.

CUTTER HEIGHT ADJUSTMENT

- There are two height settings.
- Place two 6” wooden blocks under the deck on the side being adjusted.
- Remove nuts and bolts from the side runner.
- Slide runner to the other position.
- Replace the nuts and bolts making certain they are secure.
- Repeat to other side. Runners should be at the same height.

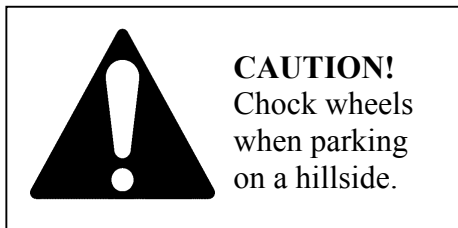
BREAKING IN YOUR CUTTER

- Start engine properly.
- Slowly, engage blade control.
- Under supervision, allow blades to rotate and engine to idle for 5 minutes.
- Disengage blades.
- Shift through each gear. While in each gear engage the “GROUND CONTROL” and travel 20 yards to ensure transaxle works properly.



BEGIN CUTTING

- Make sure area is clear of all bystanders.
- Make sure that all guards, belt guides, and the spark plug wire are properly attached.
- Start engine, setting desired engine speed.
- Slowly, engage blade.
- Move transaxle into low gear and activate “GROUND CONTROL” bail.
- Turning is done by rotating the handles left or right. This machine has significant weight and may take more effort to turn than one may expect. Turning could take practice.



BACKING UP

- Disengage blade.
- Check safety behind you.
- Move transaxle into “REVERSE” position.
- Activate “GROUND CONTROL” bail.

TRANSPORTING

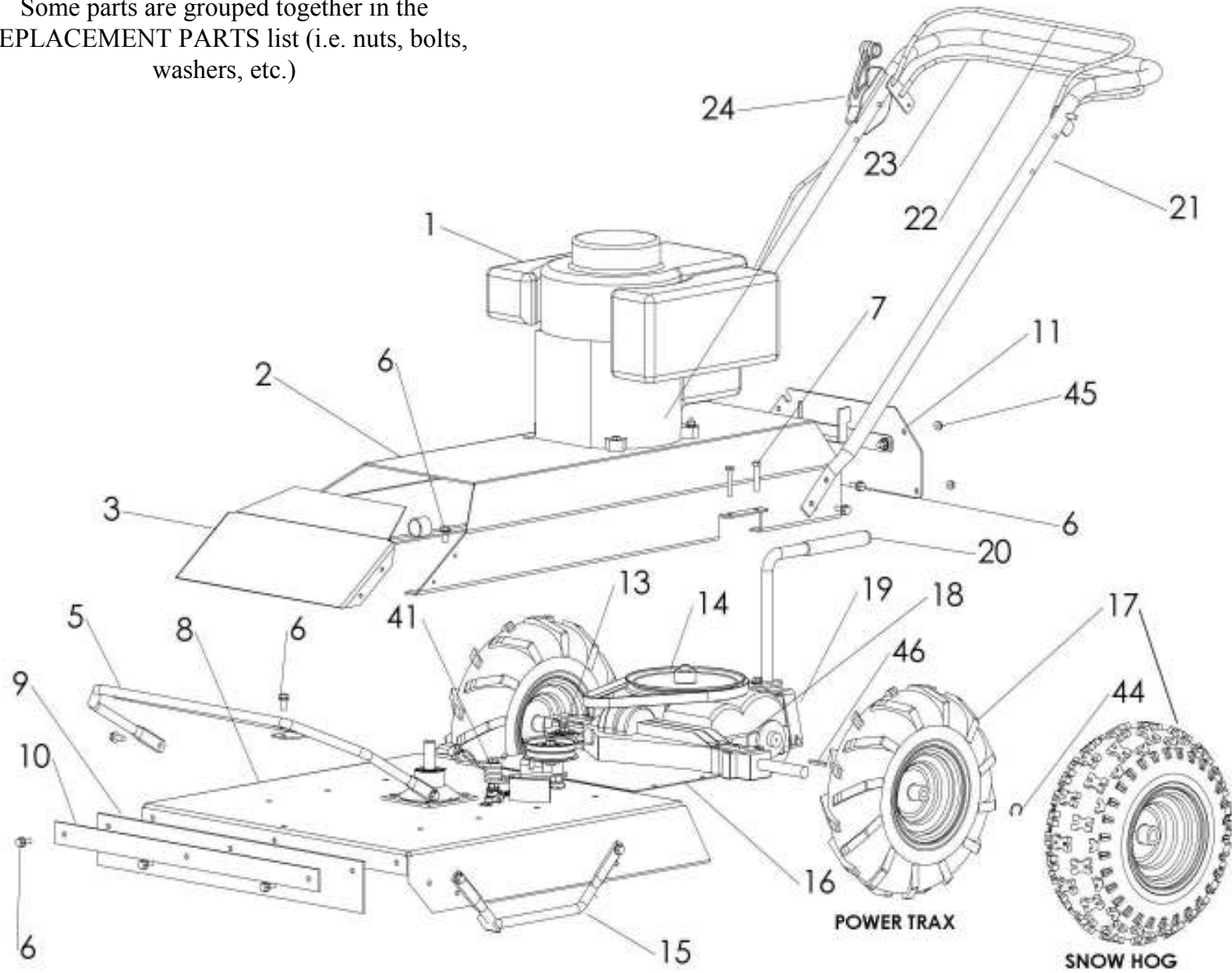
- Disengage blade.
- Shut off engine and remove keys.
- Using 3 persons to lift cutter is recommended.
- Secure in place while unit is being transported.
- Unit should be left in low gear to avoid any slight rolling.

SUGGESTED PRACTICES

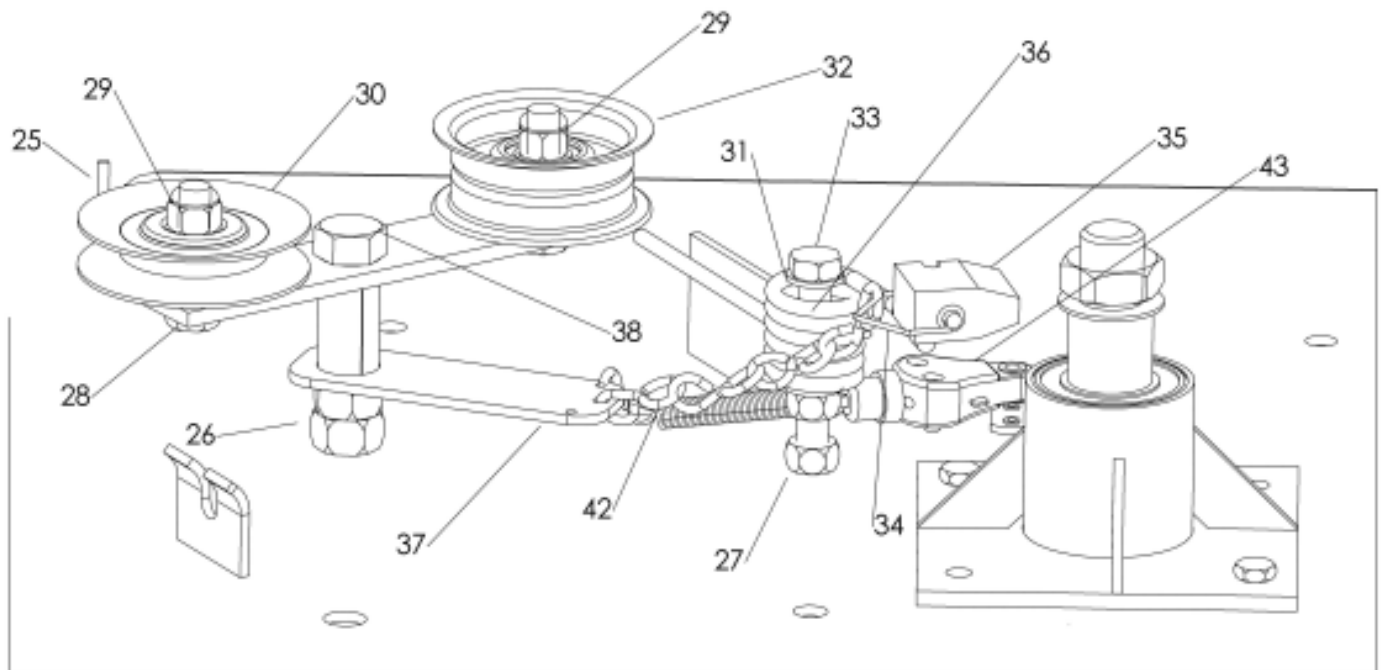
- Always operate engine at full throttle when cutting to assure the best cutting performance and proper discharge of material.
- If grass is wet, allow it to dry out. Wet grass clumps will collect on the bottom of the deck.
- Go Slow when cutting dense areas. Some dense areas may need to be gone over twice. Better results occur if the second cut is 90 degrees to the first cut.

OVERALL ASSEMBLY

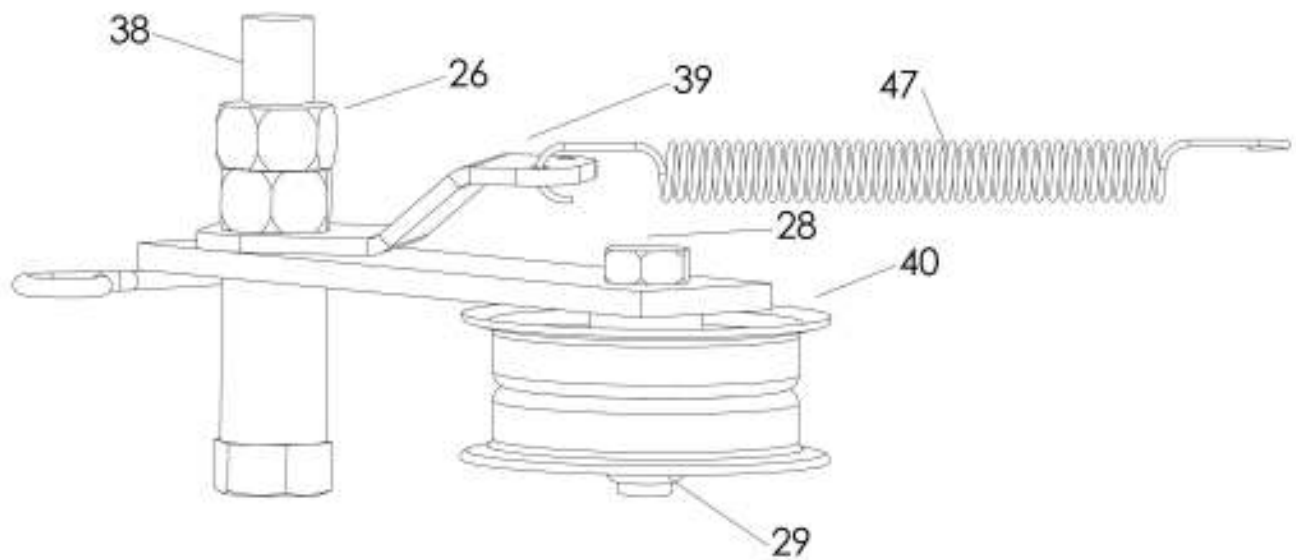
Some parts are grouped together in the REPLACEMENT PARTS list (i.e. nuts, bolts, washers, etc.)



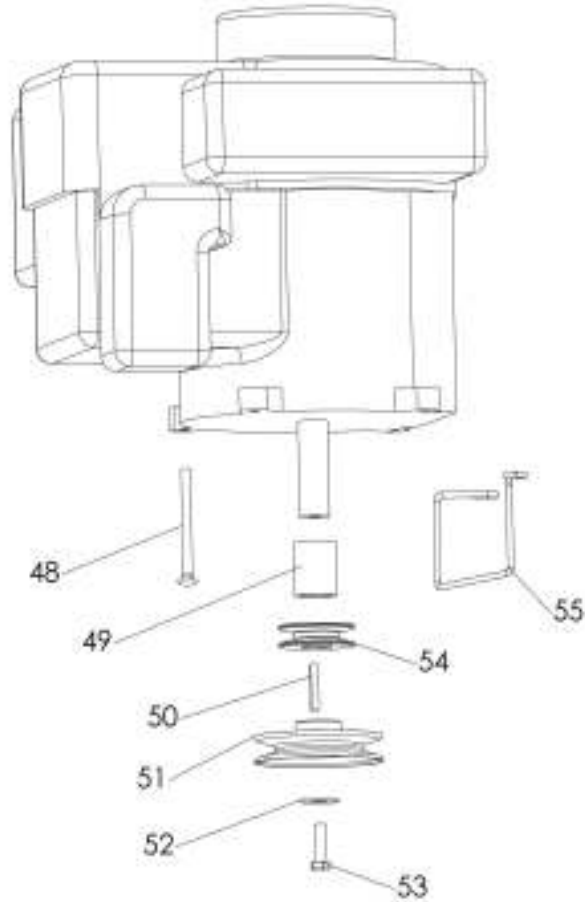
BLADE IDLER(2455) & BRAKE CONFIGURATION(2462)



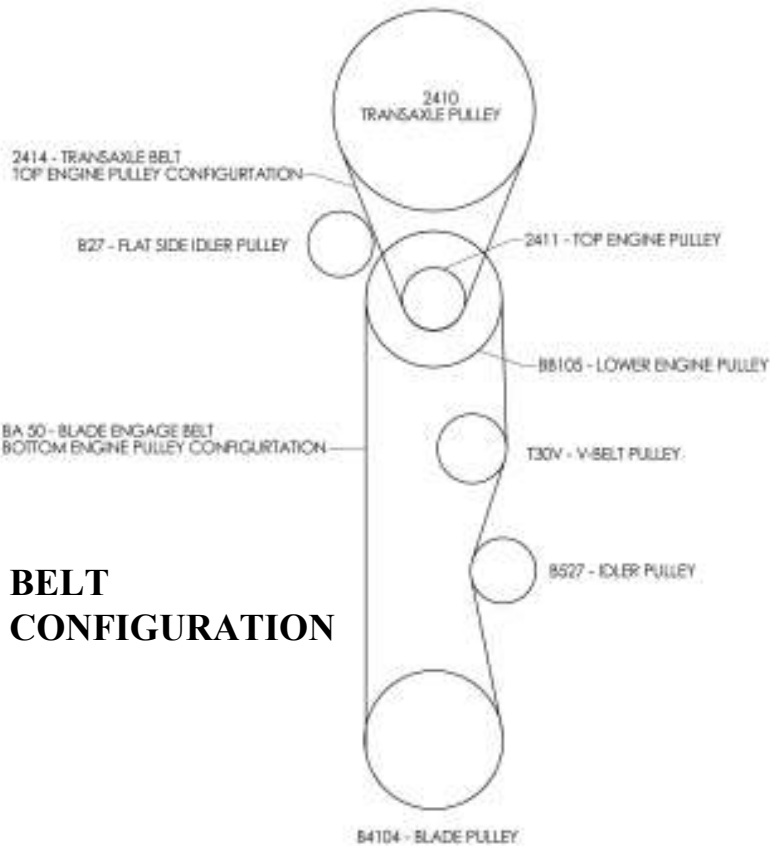
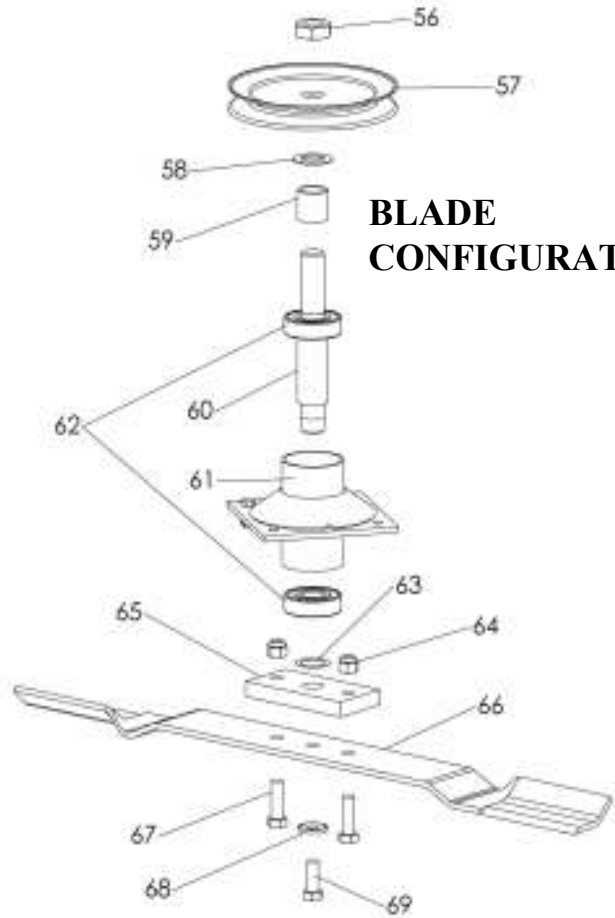
TRANSMISSION IDLER CONFIGURATION



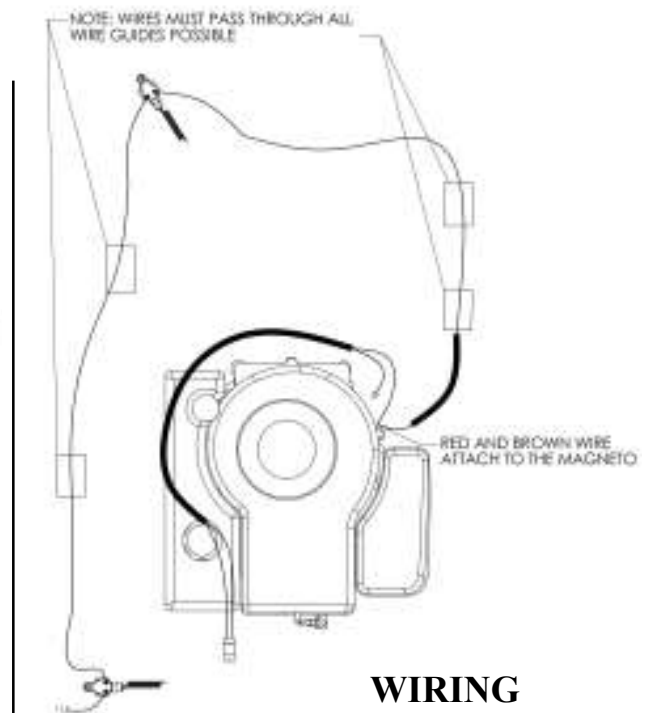
ENGINE-PULLEY CONFIGURATION



BLADE CONFIGURATION



BELT CONFIGURATION



WIRING CONFIGURATION

REPLACEMENT PARTS

ITEM NO.	PART NO.	DESCRIPTION
1	SEE DETAIL	ENGINE PULLEY CONFIGURATION
2	2450*	MOTOR BASE WELDMENT
	2451*	ADJUSTABLE BELT GUIDE
3	2418*	FRONT GUARD
	NB310	1/4-20 X 1/2 SSC BOLT
5	2448TK	BRUSH GUARD
6	NB596	5/16-18 X 3/4 FLANGE BOLT
7	NB503	5/16-18 X 1 3/4 BOLT
8	2449*	DECK WELDMENT
9	2406	RUBBER DEBRIS GUARD
10	2424TK	RUBBER FLAP STRAP
11	2453*	REAR COVER ASSEMBLY
	2452*	REAR COVER WELDMENT
	2417*	REAR COVER LATCH
	2069	EXTENSION SPRING
	NB501	5/16-18 X 1 BOLT
	NB170	5/16-18 NUT
	B99S	SPACER
	2077	YELLOW PLASTIC GRIP
12	SEE DETAIL	BLADE CONFIGURATION
	BA50	BA 50 BELT
13	SEE DETAIL	BLADE IDLER...CONFIG.
14	2410	TRANSAXLE PULLEY
	NB192	SET SCREW
	2414	TRANSAXLE BELT
15	2447TK	SKID RUNNER
17	2401L / 2401R	POWER TRAX TIRE/WHEEL (SHOWN)
	2415	SNOW HOG TIRE/WHEEL
18	2412	PEERLESS TRANSAXLE
19	2422TK	SAFETY SWITCH MOUNT
	NB250	1/4-20 X 3/4 BOLT
20	2456	GEARSHIFT LEVER
	2427	GEARSHIFT GRIP
	2423*	GEARSHIFT MOUNT
	NB596	5/16-18 X 3/4 FLANGE BOLT
	NB503	5/16-18 X 1 3/4 BOLT
	NB620	1/4-28 X 3/4 BOLT
21	2402TK	HANDLE
22	2429TK	BLADE ENGAGE BAIL
23	2458TK	GROUND CONTROL BAIL
	2432	TRANSAXLE CABLE
24	2431	BLADE LATCH & CABLE ASSY
	NB278	1/4-20 X 1 3/4 BOLT

ITEM NO.	PART NO.	DESCRIPTION
	NB180	1/4-20 NYLOC NUT
25	T30F	FINGER BELT GUIDE
26	NB213Z	1/2-13 NUT
27	NB566	3/8-16 NUT
28	NB107	3/8-16 X 1 1/2 BOLT
29	NB182	3/8-16 NYLOC NUT
30	T30V	V-BELT IDLER PULLEY
31	NB275	5/16 SAE WASHER
32	B527	4" IDLER PULLEY
33	NB164	3/8-16 X 3 BOLT
34	BP370S	BRAKE SPRING CLIP
35	9039	BRAKE PAD
36	BT297	BRAKE SPRING
37	2454TK	BLADE IDLER WELDMENT
38	NB131	1/2-13 X 3 BOLT
39	2460TK	TRANSAXLE IDLER WELDMENT
40	B27	FLAT SIDE IDLER PULLEY
41	2462	SEE ...BRAKE ASSY DETAIL
43	9092	SAFETY SWITCH
44	NB621	E-CLIPS
45	NB524	1/4-20 FLANGE NUT
	NB154Z	1/4-20 X 3/4 BOLT
46	2434	3/16 X 1 1/2 KEYSTOCK
47	T2SM	SPRING
48	NB517	5/16-18 X 1 3/4 CARRIAGE BOLT
49	BB105S	ENGINE PULLEY SPACER
50	2437	1/4 X 1 1/2 KEYSTOCK
51	BB105	LOWER ENGINE PULLEY
52	699	BELLEVILLE WASHER
53	NB166	3/8-24 X 1 1/4 BOLT
54	2411	UPPER ENGINE PULLEY
55	2413	BELT GUIDE
56	NB175	3/4-16 JAM NUT
57	6114	BLADE DRIVE PULLEY
58	NB179	THIN WASHER
59	6104RS	PULLEY SPACER
60	9078	BLADE SHAFT
61	9091TK	STRONG BEARING HOUSING
62	B98	SEALED BEARING
63	NB179	THIN WASHER
64	NB216	3/8-24 CENTER LOCK NUT
65	9008	BLADE MOUNT PLATE
66	90916	24" TOUGH BLADE
67	NB166	3/8-24 X 1 1/4 BOLT
68	NB607	BELLEVILLE WASHER SERRATED
69	NB238	3/8-24 X 1 BOLT



swisherinc.com

**OWNER'S
MANUAL
MODEL NO.**

**WB80024
WB80024S
WB8524**

**PREDATOR
24" WALK BEHIND**

Each cutter has its own model number. Each engine has its own model number. The model number for the cutter will be found on the right hand side of the drive belt housing. The model number for the engine will be found on the top of the blower fan housing.

All cutter parts listed herein may be ordered directly from Swisher Mower & Machine Co. Inc. or your nearest Swisher dealer.

All engine parts may be ordered from the nearest dealer of the engine supplied with your cutter.

WHEN ORDERING PARTS, PLEASE HAVE THE FOLLOWING INFORMATION AVAILABLE:

- * PRODUCT – WALK BEHIND PREDATOR
- * SERIAL NUMBER - _____
- * MODEL NUMBER - _____
- * ENGINE MODEL NUMBER - _____
- TYPE - _____
- * PART NUMBER
- * PART DESCRIPTION

TELEPHONE - 1-800-222-8183

FAX - 1-660-747-8650

SWISHER MOWER & MACHINE CO. INC.
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WARRENSBURG, MO 64093



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