

# ***OWNER'S MANUAL***



***SIDEWINDER  
24" & 30"  
MODELS***



***201 COMMERCE DRIVE • MONTGOMERYVILLE, PA 18936  
215-393-4700 • 800-331-1423 • FAX 215-393-4800***

## **I. TRANSPORT AND STORAGE**

**A.** To transport the Sidewinder (not operating) it is necessary to tilt the machine back on the rear wheels so brushes (or pads) are not in contact with the floor. In this “balanced” position the equipment can be readily moved from site to site.

To perform certain maintenance & cleaning tasks or to change brushes the Sidewinder should be placed in a full “tilt back” position.

- **The Sidewinder is a heavy piece of equipment. Caution should be used in tilting the machine. This can be accomplished safely and easily as follows:**

**One man method- standing behind the machine,**

- 1) Place one foot on the brace at the base of the propane tank.**
- 2) Place one hand on the handle and the other on the “U” frame handle support.**
- 3) While pulling and leaning back, lift the other foot off the floor and extend it directly behind. This will shift the balance and naturally tilt the equipment to transport or full “tilt back” position without undue strain.**

**Two man method - two people side by side perform the above procedure simultaneously. This is a safer, more comfortable technique to use until more experience is gained with the equipment.**

- **Do not use “T” handle when attempting to tilt back machine for service or cleaning. “T” handle is designed for control during operation — Do not use excessive vertical pressure.**
- **Never transport while engine is running.**
- **Always store equipment away from heater rooms, boilers, gas-fired water heaters or any other source of open flame.**
- **Always store equipment away from possible damage by falling objects in warehouse-type areas.**
- **Always vent an over-full bottle out of doors away from all closed places and away from any fire or flame producing device. Use a screwdriver to vent excess propane which escapes as a white mist until at proper level in tank.**
- **Always store LPG tank outside. Remove all tanks from inside building after use. Store them in a secure, well ventilated area.**

## **II. POWERED EQUIPMENT PREPARATION**

**A.** Familiarize yourself with equipment by reading manuals and identifying components and controls.

**B.** Always check oil before attempting to start engine!

**C.** Check that the suggested maintenance schedule has been observed.

All machines are equipped with a multi-function maintenance meter. The four functions include the following: hours, job timer, service alarm and tachometer. (See **Engine Maintenance Meter Instructions**)

**D.** Never change or alter the propane control equipment!

**E.** Install approved and properly filled propane tank.

- **Never complete the connection of the tank to the machine by using a wrench. Always do it by hand. Listen for the rush of fuel to the lock-out device when you open the tank valve. If you hear this, it will indicate that a good connection has been made at the tank.**
- **European tank connections may require use of a wrench. However, care should be taken not to overtighten the gas fittings.**
- **Provide and use ear protection during operation.**
- **Never let an untrained person operate or perform repairs on the machine. They may hurt themselves, damage the floor or the equipment.**
- **Engine speed not to exceed 2800 (20HP) or 3400 (14HP).**
- **This machine is not suitable for picking up hazardous dust.**
- **Do not use on surfaces with a gradient exceeding 2%.**

## **III. STARTING THE ENGINE**

**A.** Open propane (LPG) tank valve (counter clockwise).

**B.** Set throttle control at idle for 12 V & choke for electric start system.

**C.** 12 volt system - turn key to the start position & move throttle toward fast position. If engine does not start, release key and return to step “B”.

Electric start - push “Start” button until engine starts. Starter should not be engaged for more than 10 seconds at a time.

- **When a propane tank is overfilled it may temporarily cause the fuel regulator to malfunction. Remove the tank to a well ventilated location. Release**

some gas until the cloud disappears and escaping gas is "clear". Reinstall tank.

- All machines are equipped with tamper proof fuel systems. If a fuel problem exists, contact an authorized service center.
- Propane tanks should be removed & stored in a protected off site area.
- No machine with a Dead Man Lever Clutch should be left running disengaged. Upon starting, engage clutch immediately to prevent belt from burning. Burning of the belt causes premature failure and is a misuse not covered by warranty.

## SIDEWINDER STRIPPER 24" & 30" MODELS

The Aztec Sidewinder is designed to deep scrub and/or strip hard surface floors in preparation for top coat or restoring of tile, smooth concrete, terrazzo or close fitted tile. Any other application of the equipment should be checked with customer service at the factory to determine if the proposed use is appropriate.

### IV. OPERATION

- Determine best brush or pad option for task.
- Transport Sidewinder by tilting on rear wheels.
- After applying cleaning or stripping solution, start engine, engage clutch & initiate operation at a slow to moderate walking speed.
- When area is completed, disengage clutch immediately, stop engine.
- Clean equipment.
- Remove propane tank & store off-site (outside).
  - Never tilt back machine while engine is running.
  - Never reach under protective shroud when engine is running.

### V. AFTER OPERATION CLEANING

- Place Sidewinder in "tilt back" position.
- Rinse unit between top of brushes and brush plate. Do not spray water into brush drive (above plate).
- Rinse around splash skirt and fiberglass body.
- Start engine and run Sidewinder briefly to expel any excess water.
- Store propane tank in a secure, well ventilated off site location.

## SIDEWINDER BRUSH AND PAD OPTIONS

### BRUSH OPTIONS

#### GREY (3 ROW)

The most aggressive stripping brush when new. .070 dia. Strata-Grit Plus bristles. Has 25% more silicon carbide than any other bristle.

Lasts up to .75-1.25 million sq. ft.

SW 30" Part # 010-962STB

SW 24" Part # 01024-962STB

#### BROWN/RED (4 ROW)

Very aggressive stripping brush. Holds up best when doing concrete. .080 dia. Malgrit-Xtra bristles last longer.

Lasts up to 1-1.5 million sq. ft.

SW 30" Part # 010-962STBH

SW 24" Part # 01024-962STBH

#### BLUE (5 ROW)

Deep scrubbing and light stripping. .060 dia. Strata-grit bristles.

Lasts up to 1-2 million sq. ft.

SW 30" Part # 010-962SCB

SW 24" Part # 01024-962SCB

#### BLACK NYLON (5 ROW)

Light shower scrub. Will not remove finish. .020 dia. nylon bristles.

Lasts up to 1 million sq. ft.

SW 30" Part # 010-962SCBL

SW 24" Part # 01024-962SCBL

#### WIRE (5 ROW)

For light scarifying or compacted debris removal on concrete applications.

Lasts up to 15,000-25,000 sq. ft.

SW 30" Part # 010-962WB

SW 24" Part # 01024-962WB

#### PAD DRIVER SYSTEM

Designed for driving 10" pads. Pad Grabber III to hold pads. Quick connect pad clips for easy pad change. Comes with Black Hi-Pro pads. Nylon bristles help to prevent pads from clogging.

Approximately 25-30% faster than stripping with brushes.

SW 30" Part # 010-962STP

SW 24" Part # 01024-962STP

## PAD OPTIONS

**BLUE** Scrubbing. Use 1 pad per driver.  
Part # 253-08082

**BLACK** Stripping. Use 2 pads per driver.  
Part # 253-09074

## MAINTENANCE

### VI. ENGINE

- A. Refer to engine manufacturer's owners manual and comply completely with the lubrication instructions. Any evidence of under lubrication will make a claim against the manufacturer invalid.
- B. Keep a good service log on each machine with the date, hour meter reading, type(s) of service performed and the name of the person who performed them. This will assist you and Aztec in spotting weaknesses in our respective areas of responsibility. A standard maintenance log is available at any stationary store.

### VII. TROUBLESHOOTING THE ELECTRICAL SYSTEM

- A. First, check all wire connections for obvious problems. Remove LPG tank, then remove battery box cover. Check all connections visibly and physically. If any "loose", damaged or unconnected wires are noticed, contact Aztec and/or put wires back in their proper place.
- B. Always wear a face shield, safety glasses and protective clothing when working around a battery!! The gases can be explosive and the acid is highly corrosive to metals, cloth and ALL HUMAN TISSUE (skin, eyes, etc.) If the battery post(s) are corroded, remove the wires and clean posts and wires well. You may wish to put some axle grease on the posts or the battery after they are cleaned. This will slow down the battery corrosion process.

**IF NOTHING OBVIOUS IS NOTED, A MORE DETAILED INVESTIGATION IS WARRANTED. BEFORE ANY SUCH TROUBLE SHOOTING BEGINS, THE FOLLOWING THINGS SHOULD BE DONE:**

- 1. Replace propane (LPG) tank with one from a machine that runs.
- 2. Charge the battery or provide an absolute source of 12 volt DC power capable of 50 amperes total output. (A pair of good jumper cables from your car or truck battery will suffice.)
- 3. Equip yourself with an inexpensive 12 volt test light.
- 4. If the trouble seems to be in the electrical control equipment, you may wish to disconnect the starter from the system so as to check the system without spinning the engine.

### VIII. ENGINE MAINTENANCE METER

- A. This meter is used to perform preventive maintenance which benefits you with increased fuel economy, less down time and longer engine life. It is simple to operate because of its functional and user friendly design and has a function for every application which are detailed as follows:

**HOURLY METER:** Records actual running time of engine. Non-erasable.

**JOB TIMER:** An erasable, independent timer. A perfect accessory for job costing and billing purposes.

**SERVICE ALARM:** Makes setting your own service interval a snap. Display flashes when service interval is reached. Helps you perform preventive maintenance (oil & filter changes, lubrication and cleaning, etc.) within manufacturers' recommendations.

**TACHOMETER:** Tells you what R.P.M. your engine is running at for maximum power and efficiency. Reads up to 6,000 R.P.M.

### IX. OPERATING INSTRUCTIONS

- A. Push and release mode button to advance to next function.
  - Hour meter-indicated by TOT TIME on display. Is non-re-setable.
  - Tachometer-upon entering this function you will see P1, P2 or P3 for 3 seconds on the right hand side of the display. This is the programmed pattern. To access MAXTCH (the highest RPM the engine has been run at) be in the RPM mode and hold the mode button down for more than 10 seconds. Release button on the desired firing pattern.

*Tachometer Firing patterns:*

*P1- 1 Spark: 1RPM-Most air cooled engines.*

*P2- 2 Sparks: 1RPM-Specialty engines, dual point ignition*

*P3- 1 Spark: 2RPMs-Engines with ignitions driven from camshafts or distributors*

- *Job Timer-to erase, be in the JOB TIME function and hold mode button down for 3 seconds.*
- *Service Alarm-to program a service interval be in the SVC SET function and hold the mode button down. Release button on the desired hour. When the SVC TIME reaches the service interval you programmed, the display will flash indicating service is due. This flashing will continue until the SVC TIME is cleared. Perform necessary service then advance to the SVC TIME function and hold the mode button down for 3 seconds, the SVC TIME will clear and the flashing will stop. SVC TIME will now start building back up to the service interval you programmed in SVC SET.*

## **SIDEWINDER STRIPPING MACHINE**

*There are several factors involved in properly addressing the surface of a floor to be stripped so that it can be accomplished at the greatest speed with the least labor. The design of the Sidewinder may seem complicated, yet we assure you that its design is the reason it is so effective. Therefore, you may want to be patient while learning the “ins and outs” of the general maintenance of this equipment.*

*Do not remove the six (6) 3/4" head bolts from the bottom of the machine unless you have talked to Aztec technical support. Note: If the engine runs, but the brushes do not engage, this is usually related to either the clutch cable or the main drive belt. Without disassembling this machine, you can check and fix the following:*

- 1. Is the cable connected to the “Clutch” lever on the handle and to the springs (2) down below? Place machine in “tilt back” position. Go under the machine and reach your hand up between the lower drive assembly and the body of the machine. You will notice the cable sticking through the wall of the battery box, and it should be connected to one (1) return spring (j) and one (1) clutching spring (K). If you can reach your arm up further, you will feel the pulley of the main drive shaft for the input boom pulley (S) (page 19 “Upper Drive Assembly” drawing.)*

*By just a touch, you should be able to manipulate a fallen belt back in place. You will do well to master the above procedure. Such a simple problem in the hands of inexperienced people can cost a crew much of a night’s work.*

- 2. The next most common problem is letting the battery run down. What usually happens is that it takes the crew a few jobs to get used to the whole system, so the Sidewinder is stopped and started quite often. We recommend that under these conditions the operator should start the machine by hand with the recoil starter. (Don’t forget to turn the key to the “Off” position when finished using.)*
- 3. To change a belt—remove three (3) bolts on right hand side of upper deck (3/4" wrench) (page 19(0)). Then slowly raise the front of the machine off the floor. Notice how the belt is set in its place as this will help you in returning the new belt to its proper place. Remove the idler pulley only (9/16" wrench). Notice that one side of the idler pulley hub sticks out farther than the other side. This is very important! The side that sticks out the most should be put on first, facing the idler plate. If it is put on the other way, the idler may not turn and will not line up with the drive (engine) and lower drive assembly pulleys. This will accelerate belt wear and increase the chance of the belt running off one of the pulleys. Check for wear on the springs and their catches and on the idler mentioned rather than take a chance on stranding an entire crew at a lock-in job with a broken machine as they get their system coordinated. The Sidewinder should be kept in “new” condition both physically and mechanically to ensure a minimum down-time factor.*

## **RETURN GOODS POLICY**

*As an Aztec customer, you are aware that the equipment we design and build is both innovative and unique. Since this is true, in order to trouble-shoot our equipment, we rely heavily on returned defective or failed parts so that we can examine first-hand the causes of failure. While this may at first seem to be an inconvenience, ultimately you benefit from safer and better designed machine components. Please give us the opportunity to serve you better by following these RGA (Returned Goods Authorization) rules.*

- 1. We maintain the serial number, date of shipment or sale, and customer name on each piece of equipment sold. If you were the purchaser, please reference that*

information on your request for replacement or repair. If you purchased the equipment through a distributor, please contact them first. If you are not satisfied, contact Aztec and give us the Distributor name, purchase date, and the serial number of the product.

2. Order the replacement part from your distributor or Aztec Products by calling 800-331-1423. during normal business hours (8:30-5:00 Eastern Time). We will ship warranted parts at our expense.
3. When dealing with Aztec ask for an RGA number when you are ordering the replacement part. Return the failed part to us within 30 days, freight prepaid, exactly as it was at the time of failure. Our inspection and evaluation will attempt to determine the probable cause of failure.
4. If our inspection reveals that the failed part was defective, we will credit your account for the entire amount of the part including your cost of return freight. When incomplete parts are returned for

credit, their condition or state of incompleteness will be assessed against the credit claim at the sole discretion of Aztec Products, Inc.

5. We also offer to do warranty related repairs free of charge at our facility. Arrangements must be made in advance as outlined above. We will not accept freight collect returns or returns that do not indicate the RGA # on the packing list.

Your satisfaction in all of your dealings with Aztec Products, Inc. is extremely important to us. We intend to be reasonable on any matter that is related to our warranted service or other wear-related problems which our customers feel need attention. Please help us to help you. Before assuming that a part is defective, check the repair manual to see if the problem might be something that you or one of your employees might be capable of correcting. If it is not, follow the above policy and depend on us to respond quickly and responsibly.

## **AZTEC PRODUCTS WARRANTY**

Aztec Products, Inc. warrants its products to be free from defects in material and workmanship for a period of one year from the date of sale. (Sidewinders will be warranted for one year or the total wear time on a set of brushes, whichever comes first.) All engines are warranted by the manufacturer of the engine. Honda is warranted for 2 years. The Onan engines are warranted for 3 years but can be extended to 5 years.

Aztec Products, Inc. agrees, at its discretion, to repair or replace at its own expense any product or part(s) which examination proves to be defective in workmanship or materials provided that the purchaser notifies Aztec Products, Inc. directly, within the warranty period and follows the **Return Policy**.

This warranty does not apply to or cover equipment damaged by misuse, abuse, neglect, accident, or any use not specified in the instruction manual, or any other circumstances that are clearly out of the control of Aztec Products, Inc. or their authorized agents.

The propane devices are to be regarded as non-serviceable equipment. All repairs or changes must be made under the supervision or arrangement of Aztec Products, Inc. or their agents unless prior written consent has been issued. Any deviation from this arrangement shall make the owner of the equipment and/or party involved in those changes responsible for any and all damages resulting from such changes.

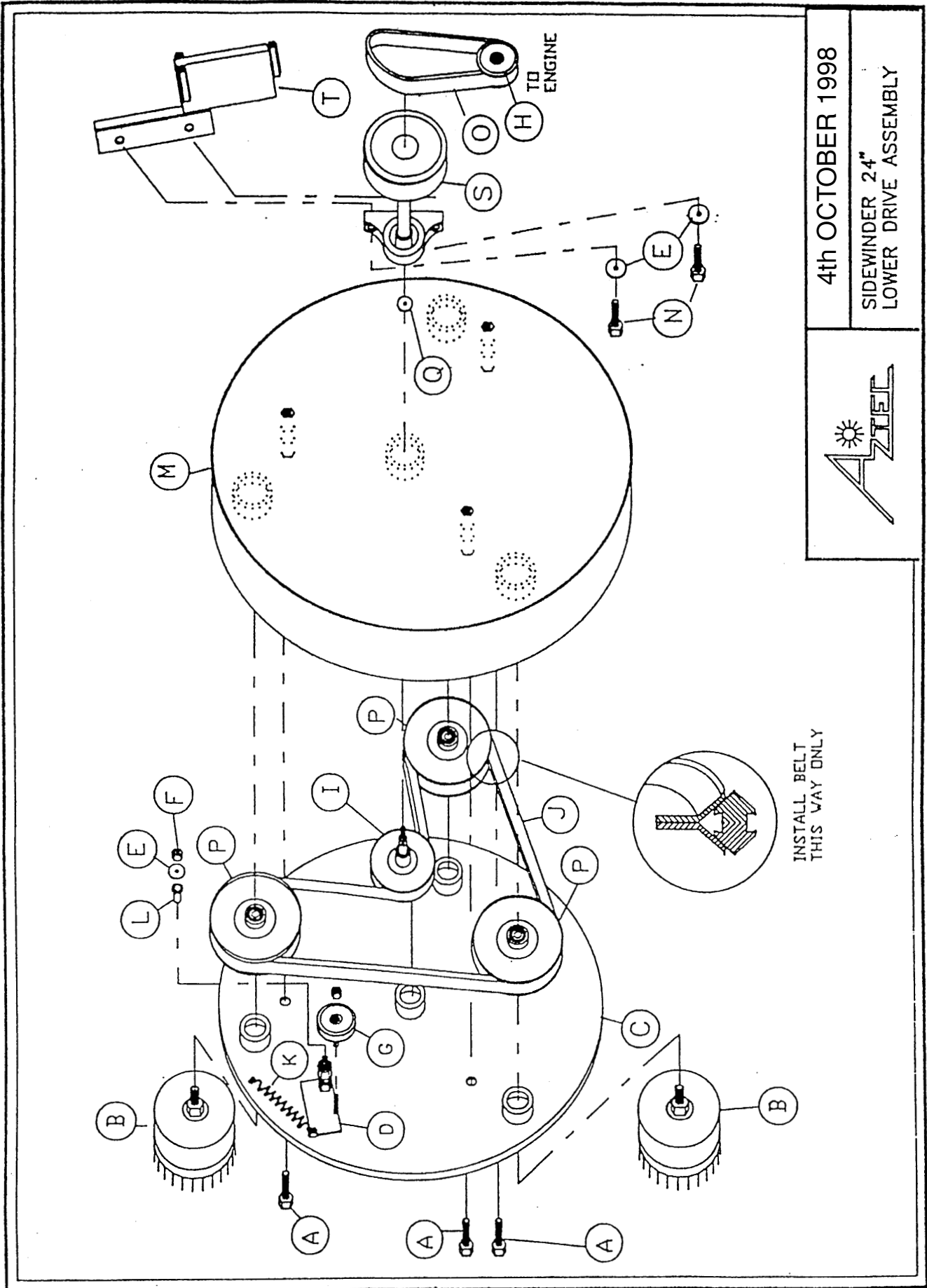
The foregoing is the entire and only Aztec Products, Inc. warranty which in no event covers incidental or consequential damages resulting from any such defective product or part(s). This warranty gives specific legal rights. Purchaser may have other rights which may vary from state to state.

*This warranty is non-transferable.*

**AZTEC PRODUCTS, INC.**

201 Commerce Drive • Montgomeryville, PA 18936 • 800-331-1423 • Fax 215-393-4800 • [www.aztecproducts.com](http://www.aztecproducts.com)

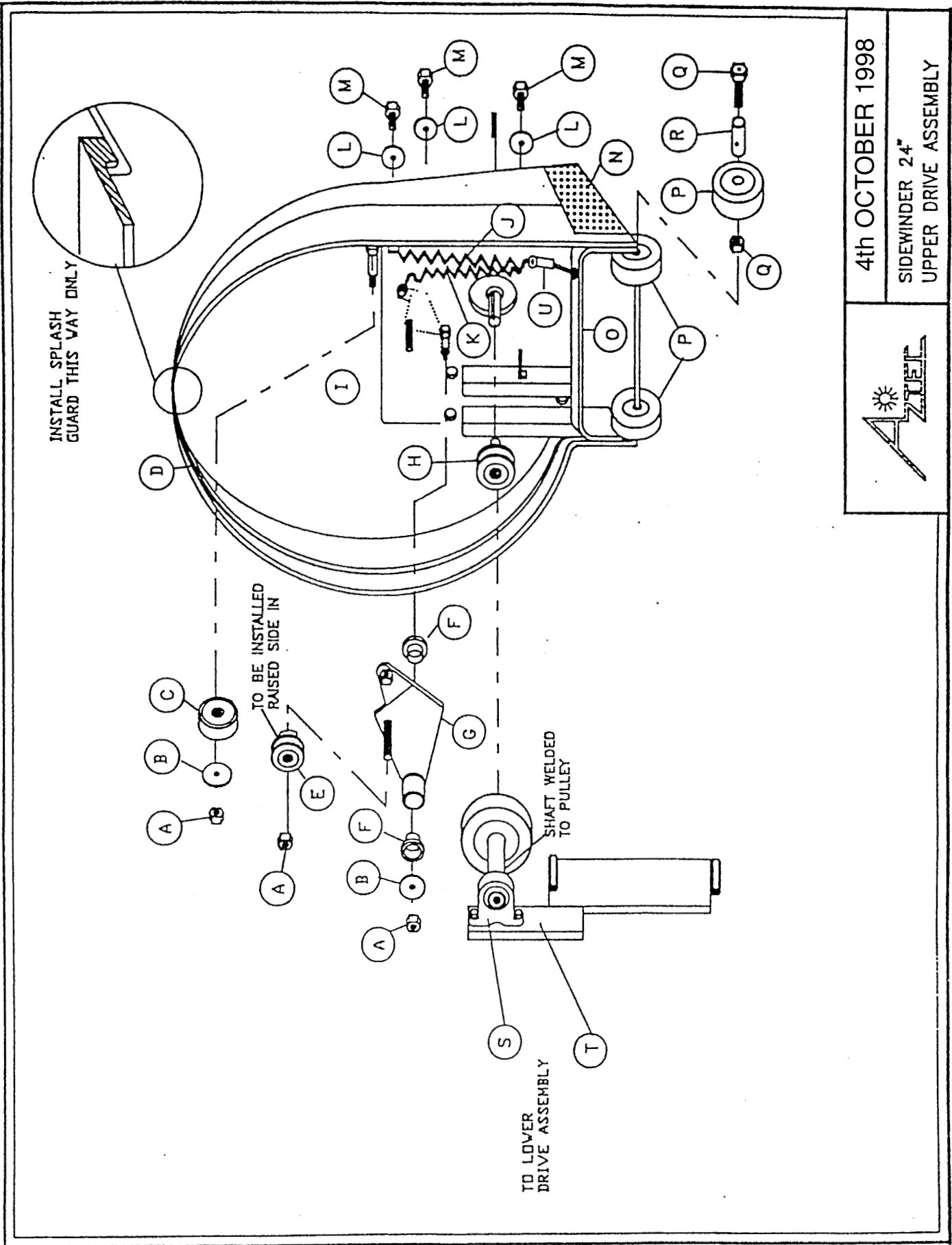
# **Notes**





## PART LIST FOR SIDEWINDER 24" (LOWER DRIVE)

PART	DESCRIPTION	PART NUMBER	QTY	NOTES
A	BOLT	N/A	6	1/2x13x1 1/2" BOLT
B	BRUSH (SPRIP)	01024-962STB	3	HEAVY SCRUB-01024-962SCB
C	22" STEEL PLATE	01024-962MP	1	
D	IDLER (PAN)	01024-962II	1	
E	WASHER	N/A	3	3/8" FLAT WASHER
F	NUT	N/A	2	3/8" -16 HEX NUT
G	IDLER PULLEY (VEE)	188-V42B	1	
H	ENGINE PULLEY	172-BS28	1	
I	CENTER PAN PULLEY	010-962S2	1	172-BC36(20HP)
J	DOUBLE VEE BELT	113-BB68	1	
K	SPRING	173-7599-DWG	1	.085-.75" (OD)x7"
L	NYLON BUSHING	196-71200	1	
M	22" TOP PAN	01024-962MS	1	
N	BOLT	N/A	2	3/8"x16x2 BOLT
O	BELT	113-L534	1	113-L536(20HP)
P	OUTER PAN PULLEY	010-962S3	3	
Q	WASHER	164-58114F	1	
S	INPUT BOOMPULLEY ASSEMBLY	010-962S1	1	5/8"(ID)x1 1/4"(OD) FLAT WASHER
T	HEAD SUPPORT BOOM	01024-962B	1	



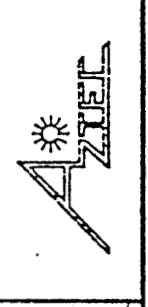
INSTALL SPLASH GUARD THIS WAY ONLY

TO BE INSTALLED RAISED SIDE IN

SHAFT WELDED TO PULLEY

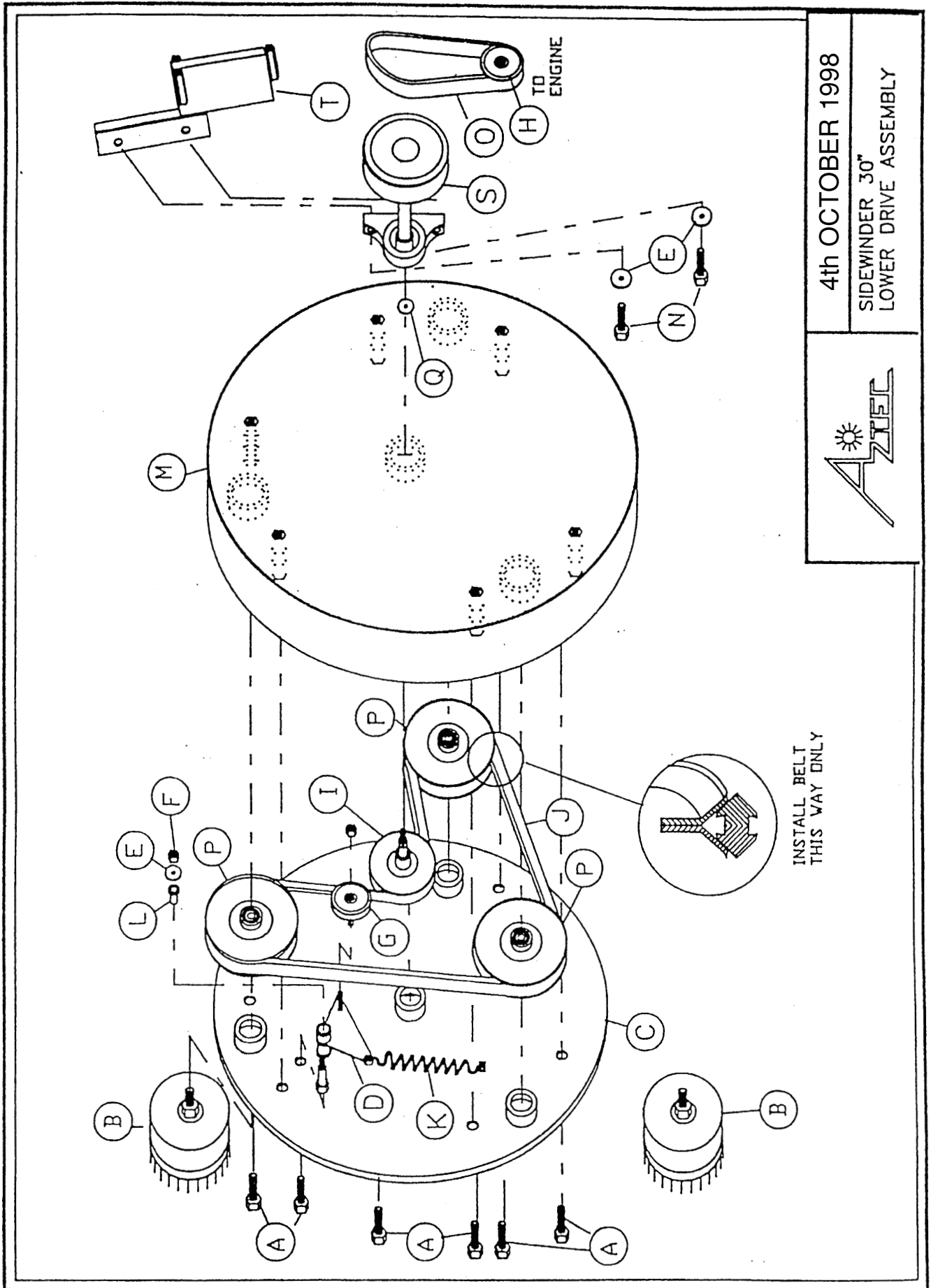
TO LOWER DRIVE ASSEMBLY

4th OCTOBER 1998  
 SIDEWINDER 24"  
 UPPER DRIVE ASSEMBLY



## PART LIST FOR SIDEWINDER 24" (UPPER DRIVE)

PART	DESCRIPTION	PART NUMBER	QTY	NOTES
A	NUT	N/A	3	3/8" -16 HEX NUT
B	WASHER	N/A	2	5/16" FLAT WASHER
C	POLY WHEEL	156-PB-03041-08	1	
D	SPLASH SKIRT	01024-971S	1	
E	VEE IDLER PULLEY	188-V42B	1	
F	NYLON BUSHING	196-71200	2	
G	CLUTCHING IDLER	01024-962I	1	
H	ENGINE PULLEY	172-BS28	1	172-BC36(20HP)
I	BODY	01024-971B	1	
J	SPRING	173-7600-DWG	1	.085-1(OD)x7"
K	SPRING	173-7500-DWG	1	.085-.75(OD)x5"
L	WASHER	N/A	3	1/2" WASHER
M	BOLT	N/A	3	1/2x13x1 1/2" BOLT
N	KICK PLATE	010-971K	1	
O	BACK SPLASH	176-SPSK	1	
P	6" WHEEL	156-XA-06251-12	2	
Q	AXEL BOLT & NUT	156-ALBZJ085408	2	
R	SPANNER BUSHING	156-ZF-0812-39	2	
S	INPUT BOOM PULLEY ASSEMBLY	010-962S1	1	
T	HEAD SUPPORT BOOM	01024-962B	1	
U	CLUTCH CABLE	010-962C	1	



4th OCTOBER 1998

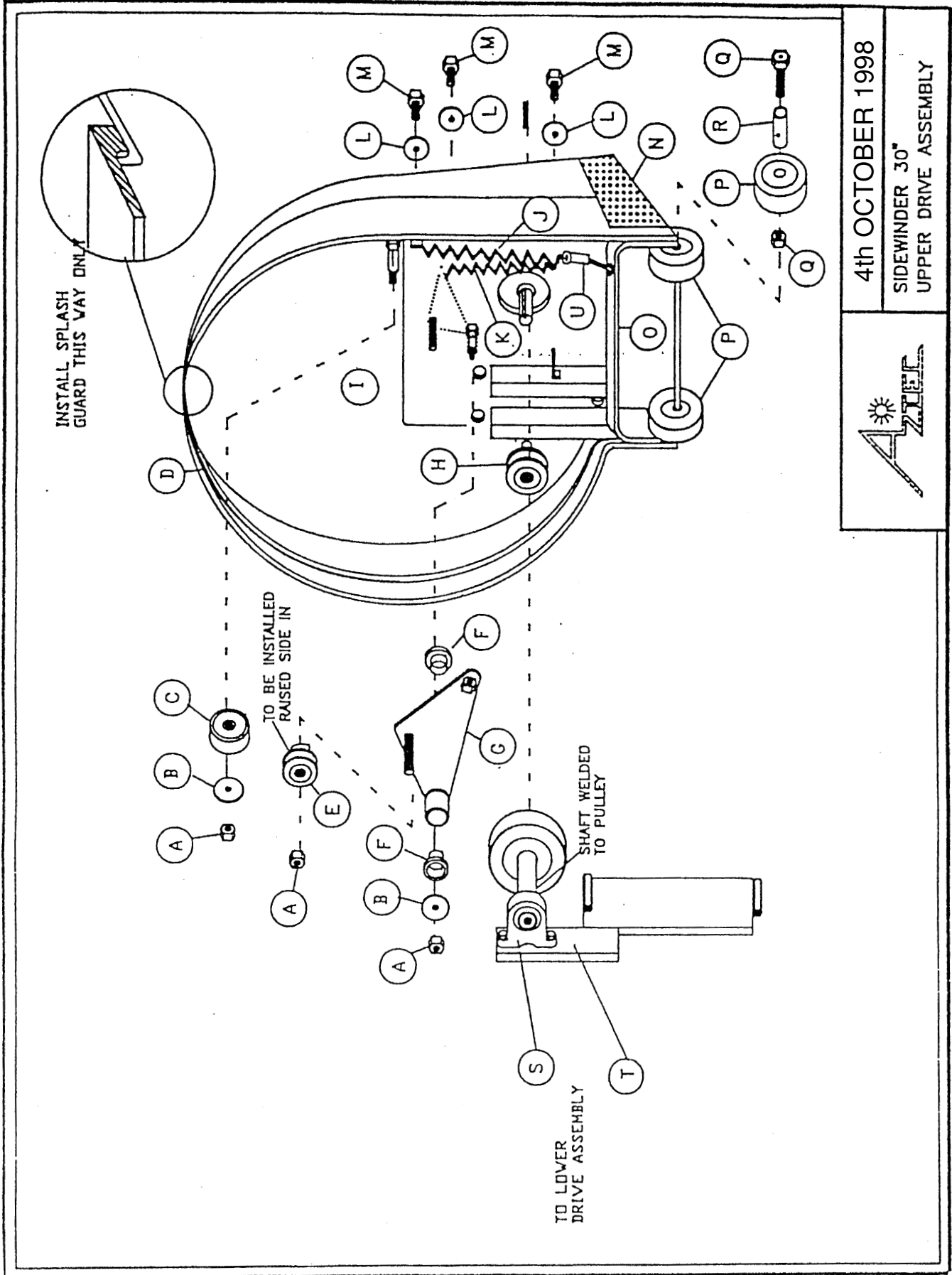
SIDEWINDER 30"  
LOWER DRIVE ASSEMBLY

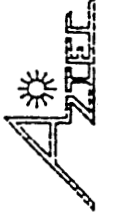


INSTALL BELT  
THIS WAY ONLY

## PART LIST FOR SIDEWINDER 30" (LOWER DRIVE)

PART	DESCRIPTION	PART NUMBER	QTY	NOTES
A	BOLT	N/A	6	1/2x13x1" BOLT
B	BRUSH (STRIP)	010-962STB	3	010-962SCB - HEAVY SCRUB
C	28" STEEL PLATE	010-962MP	1	
D	IDLER (PAN)	010-962II	1	
E	WASHER	N/A	3	5/16" FLAT WASHER
F	NUT	N/A	2	3/8" -16 HEX NUT
G	IDLER PULLEY (VEE)	188-V42B	1	
H	ENGINE PULLEY	172-BS28	1	172-BC36(20HP)
I	CENTER PAN PULLEY	010-962S2	1	
J	DOUBLE VEE BELT	113-BB81	1	
K	SPRING	173-7599-DWG	1	.085-.75"(OD)x7"
L	NYLON BUSHING	196-71200	1	
M	28" TOP PAN	010-962MS	1	
N	BOLT	N/A	2	3/8x16x2 BOLT
O	BELT	113-6535	1	113-L537(20HP)
P	OUTER PAN PULLEY	010-962S3	3	
Q	WASHER	164-58114F	1	5/8(ID)x1 1/4 (OD) FLAT WASHER
S	INPUT BOOM PULLEY ASSEMBLY	010-962S1	1	
T	HEAD SUPPORT BOOM	010-962B	1	



	4th OCTOBER 1998
	SIDEWINDER 30" UPPER DRIVE ASSEMBLY

## PART LIST FOR SIDEWINDER 30" (UPPER DRIVE)

PART	DESCRIPTION	PART NUMBER	QTY	NOTES
A	NUT	N/A	3	3/8"-16 HEX NUT
B	WASHER	N/A	2	5/16" FLAT WASHER
C	POLLY WHEEL	156-PB-03041-08	1	
D	SPASH SKIRT	010-971S	1	
E	VEE IDLER PULLEY	188V42B	1	
F	NYLON BUSHING	196-71200	2	
G	CLUTCHING IDLER	010-962I	1	
H	ENGINE PULLEY	172-BS28	1	172-BC36(20HP)
I	BODY	010-971B	1	
J	SPRING	173-7600-DWG	1	.085-1(OD)x7"
K	SPRING	173-7599-DWG	1	.085-.75(OD)x7"
L	WASHER	N/A	3	1/2" WASHER
M	BOLT	N/A	3	1/2x13x1 1/2" BOLT
N	KICK PLATE	010-971K	1	
O	BACK SPLASH	176-SPSK	1	
P	6" WHEEL	156-XA-06251-12	2	
Q	AXLE BOLT & NUT	156-ALBZJ085408	2	
R	SPANNER BUSHING	156-ZF-0812-39	2	
S	INPUT BOOM PULLEY ASSEMBLY	010-962S1	1	
T	HEAD SUPPORT BOOM	010-962B	1	
U	CLUTCH CABLE	010-962C	1	



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