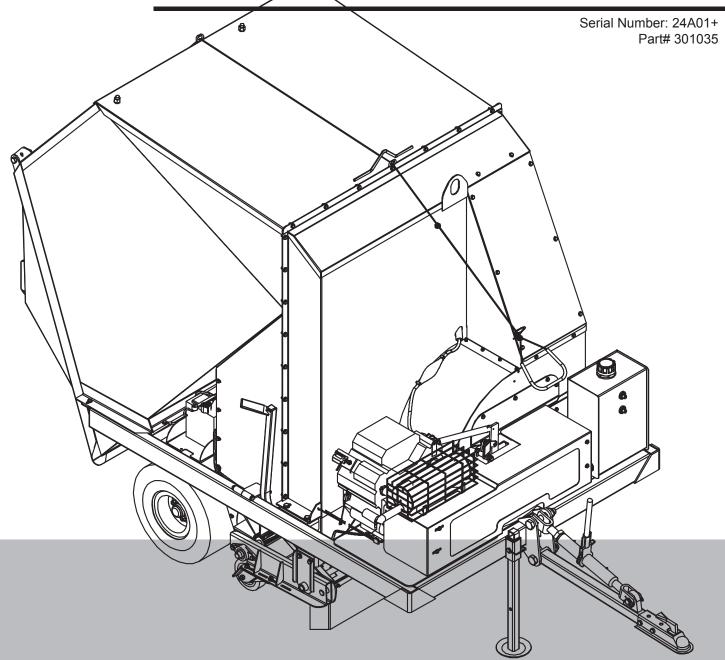
TURBO VAC 40RE-CARB



OPERATOR'S & PARTS

MANUAL



Thank you for purchasing a Harper Turbo Vac.

As with all Harper products, the Harper Turbo Vac has been developed through tough design and testing procedures to produce a machine that can be relied on. This manual gives assembly, operating, and service information for Model TV40 Turbo Vacs. Please read and understand all instructional material included with the Turbo Vac or its components before assembling and operating the equipment.

A Turbo Vac can present hazards to an operator who follows unsafe procedures in either the operation or maintenance of the unit. Therefore, SAFETY WARNINGS are presented at certain locations in the text.

THIS SYMBOL:



SAFETY WARNING!



MEANING: Failure to understand and obey this warning may result in injury to you or others. Whenever this symbol is used, please pay very close attention to the information presented, and make sure you fully understand. If you do not, contact your dealer or Harper Industries, Inc. for clarification.



SAFETY WARNING!



ALL SHIELDS AND GUARDS MUST BE IN PLACE FOR PROPER AND SAFE OPERATION OF THIS EQUIPMENT. WHERE THEY ARE SHOWN REMOVED IN THIS MANUAL, IT IS FOR PURPOSES OF ILLUSTRATION AND INSTRUCTION ONLY. DO NOT OPERATE THIS EQUIPMENT UNLESS ALL SHIELDS AND GUARDS ARE IN PLACE.

Harper Industries, Inc. is continually striving to improve the design and performance of its products. We reserve the right to make changes in specifications and design without thereby incurring any obligation relative to previously manufactured products.

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The Harper name is a registered trademark of Harper Industries, Inc. All other brand and product names are trademarks or registered trademarks of their respective companies.



LIMITED WARRANTY

Harper Industries, Inc. (HII) warrants to each purchaser of a new Harper Turbo Vac from an authorized dealer or representative, that such equipment is free of manufacturer's defects in workmanship and materials which appear while in normal service for a period of ONE YEAR commencing with delivery to the original user.

The obligation of HII under this warranty is expressly limited, at our option, to replacement or repair at a service facility designated by Harper Industries or at the manufacturing plant in Harper, KS. A part will be replaced after inspection discloses it to have been defective. This warranty does not apply to defects caused by damage or unreasonable use (including failure to provide reasonable and necessary maintenance, or by performing functions without genuine Harper Turbo Vac accessories) while in the possession of the consumer.

Warranty is limited to parts, labor and ground freight delivery of replacement parts. HII shall not be liable for the consequential damages of any kind, including but not limited to consequential labor costs or transportation charges in connection with replacement or repair of defective parts.

This warranty does not apply to parts subjected to misuse, abuse, alteration, improper or inadequate maintenance, or normal wear (including belts, battery, chains, filters, knives, brush and broom).

Engines are not covered under this warranty. Refer to manufacturer's warranty for specific warranty information. Harper Industries, its agents or representatives, make or imply no other warranties.

Harper Industries makes no warranty with respect to trade accessories. They are subject to the warranties of their respective manufacturers.

ANY IMPLIED OR STATUTORY WARRANTIES, INCLUDING ANY WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. HII makes no other express warranty, nor is anyone authorized to make any on behalf of HII.

For further information please contact your nearest Harper Turbo Vac dealer.

CALIFORNIA EVAPORATIVE EMISSIONS CONTROL WARRANTY

YOUR WARRANTY RIGHTS AND OBLIGATIONS

The California Air Resources Board and Harper Industries are pleased to explain the evaporative emission control system's warranty on your 2024 Harper Turbo VAC. In California, new equipment that uses small off-engines must be designed, built, and equipped to meet the State's stringent antismog standards. Harper Industries must warrant the evaporative emission control system on your small Turbo VAC for the period listed below provided there has been no abuse, neglect or improper maintenance of your equipment leading to the failure of the evaporative emission control system.

Your evaporative emission control system may include parts such as: carburetors, fuel tanks, fuel lines (for liquid fuel and fuel vapors), fuel caps, valves, canisters, filters, clamps, connectors, and other associated components.

MANUFACTURER'S WARRANTY COVERAGE:

This evaporative emission control system is warranted for two years. If any evaporative emission-related part on your equipment is defective, the part will be repaired or replaced by Harper Industries.

OWNER'S WARRANTY RESPONSIBILITIES:

- 1. As the Turbo VAC owner, you are responsible for performance of the required maintenance listed in your owner's manual. Harper Industries recommends that you retain all receipts covering maintenance on your Turbo VAC, but Harper Industries cannot deny warranty coverage solely for the lack of receipts.
- 2. As the Turbo VAC owner, you should be aware that Harper Industries may deny you warranty coverage if your Turbo VAC or a part has failed due to abuse, neglect, or improper maintenance or unapproved modifications.
- 3. You are responsible for presenting your Turbo VAC to a Harper Industries dealer as soon as the problem exists. The warranty repairs shall be completed in a reasonable amount of time, not to exceed 30 days. If you have a question regarding your warranty coverage, you should contact your authorized Harper Turbo VAC dealer or Harper Industries at (620) 896-7381.



GENERAL EVAPORATIVE EMISSIONS WARRANY COVERGE

- 1. Any warranted part that is not scheduled for replacement as part of the regular maintenance program, shown in the operator's manual, provided with the mower, is warranted for the warranty period stated above. If the part fails during the period of warranty coverage, the part will be repaired or replaced by Harper Industries. Any such part repaired or replaced under the warranty will be warranted for the remainder of the period.
- 2. Any warranted part that is scheduled only for regular inspection in the written instructions supplied is warranted for the warranty period stated above. Instructions that state "repair or replace as necessary" will not reduce the period of warranty coverage. Any such part repaired or replaced under the warranty will be warranted for the remainder of the period.
- 3. Any warranted part that is scheduled for replacement as part of the regular maintenance program, shown in the operator's manual, provided with the mower, is warranted for the period of time prior to the first scheduled replacement date for that part. If the part fails before the first scheduled replacement, the part must be repaired or replaced by Harper Industries. Any such part repaired or replaced under warranty will be warranted for the remainder of the period prior to the first scheduled replacement date for the part.
- 4. Repair or replacement of any warranted part under the warranty provisions herein must be performed at an Authorized Harper Industries Dealer at no charge to the owner.
- 5. Notwithstanding the provisions of subsection (4) above, warranty service or repairs will be provided at an Authorized Harper Industries Dealer.
- 6. The Turbo Vac's owner will not be charged for diagnostic labor that is directly associated with diagnosis of defective, emission-related warranted part, provided that such diagnostic work is performed at an Authorized Harper Industries Dealer.
- 7. Harper Industries is liable for damages to other engine or equipment components proximately caused by a failure under warranty of warranted part.
- 8. Throughout the evaporative emission control system's warranty period stated above, Harper Turf Equipment will maintain a supply of warranted parts sufficient to meet the expected demand for such parts.
- 9. Only Harper Industries approved replacement parts may be used in the performance of any warranty maintenance or repairs and must be provided without charge to the owner. Such use will not reduce the warranty obligations of Harper Industries.
- 10. Add-on or modified parts that are not exempt by the Air Resources Board may not be used. The use of a non-exempted add-on or modified part by the purchaser will be grounds for disallowing a warranty claim. Harper Industries will not be liable to warrant failures of warranted parts caused by the use of a non-exempted add-on or modified part.

EMISSION WARRANTY PARTS LIST

The following emission warranty parts are covered: fuel tanks, fuel lines, fuel line fittings, fuel caps, carbon canisters, canister mounting brackets, carburetor purge port connections, filters*, vapor hoses, clamps, control valves*, control solenoids*, electronic controls*, vacuum control diaphragms*, purge valves, liquid/vapor separators.

* As they relate to the installed equipment evaporative control system.

RECORDS

Date of Purchase / / /	Serial Number Machine
Dealer's Name	Serial Number Engine
Dealer's Phone	





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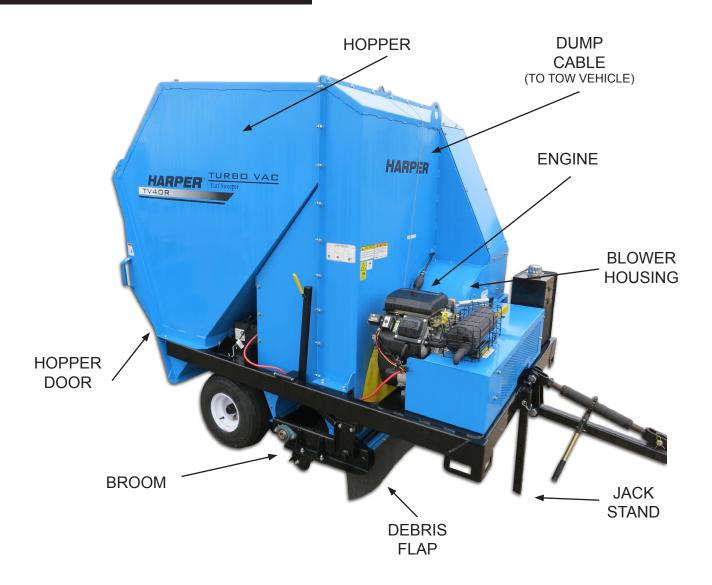
Specifications

Minimal dust generated, quiet operation - 90 dB
Double V-belt drive with electric clutch
25" diameter abrasion resistant steel with replaceable poly-liner
1 1/2" shaft with self-aligned bearings
Access plate for inspection and easy liner replacement
Re-circulated air system
Hydraulic motor direct drive
26.5 HP Kohler EFI gasoline
Belt driven hydraulic pump
Crown AW 46; ISO 46 Hydraulic Oil
See service schedule
11 gauge welded and reinforced steel tubing
Greaseable sealed bearings
4 cubic yards
4-bolt wheels, 18.5 x 9.5 tires
Engine, blower & brush controls on machine
52" single sweeping head that follows the terrain with side mount-
ed gauge wheels, rises to transport position, and lowers to oper-
ating position by handle located on the side; Brush and Rubber
Fingers
Curb brush and remote hose attachments.
Mechanical trip and latch system
Adjustable tongue functions as pick-up height controller
Durable 2-part polyurethane
135" L x 64" W x 82" H
1600 lbs 730 kg
6 gallon capacity - Gasoline

NOTE: Following publication of this manual, certain changes in standard equipment and/or options may have occurred which would not be included in these pages. Your Harper dealer is the best source for up-to-date information.



TV40RE



Hopper – The hopper stores up to 4 yards of material.

Engine – 26.5 HP Kohler EFI engine powers the blower and broom.

Hopper Door – Opens when the dump cable is pulled to release the material collected in the hopper.

Debris Flap – Helps to keep vacuum concentrated to the ground and to direct the material from the broom into the suction.

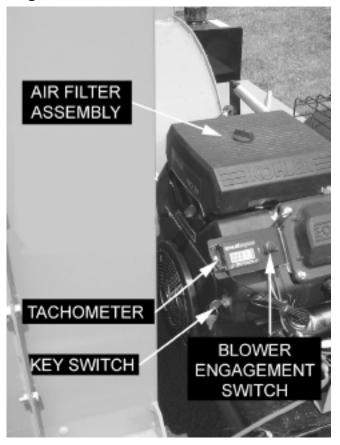
Blower Housing – Surrounds the fan and is covered on the inside by a plastic liner.

Broom (optional) – Assists material from the turf into the suction of the blower.

Dump Cable – Releases the hopper door.

Jack Stand – Supports the front of the Turbo Vac when it is not connected to a tractor. During operation, the jack stand must be up, with the wheel removed and in the transport location.

Engine Identification



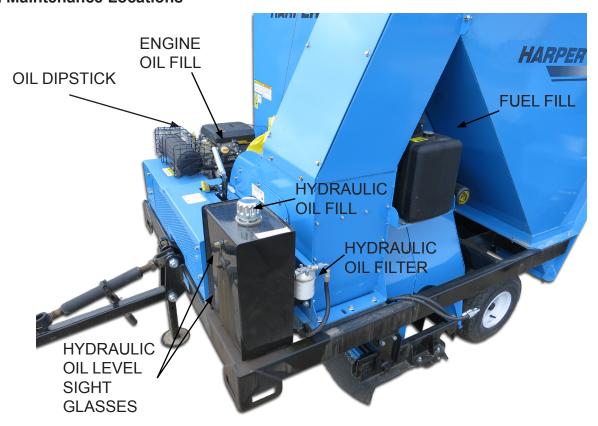
Air Filter Assembly – See service section for care information.

Tachometer – Shows the speed of the engine when running. Shows hours when engine is not running.

Key Switch – Used to start the engine

Blower Engagement Switch - Turns the blower on and off.

Fluid Maintenance Locations





Safety Guidelines

- Use genuine factory parts or parts with equivalent characteristics, including type, strength and material. Failure to do so may result in product malfunction and possible injury to the operator and/or others.
- If hardware is not secure, or if some of the hardware is over-tightened, equipment failure may result, posing possible safety hazards.
- To prevent possible eye injury, always wear SAFETY GLASSES while operating equipment.
- Replace locknuts and locking screws if you can tighten them without feeling considerable resistance for several turns before they are completely tight.
 Replace them with factory authorized parts or their equivalent.

Gasoline



SAFETY WARNING!



Gasoline is extremely flammable and can be highly explosive.

- Always use an approved container for gasoline.
- Do not allow open flames or sparks while performing maintenance or refueling.
- Never remove the fuel tank cap or add gasoline when the engine is running or while it is hot.
- Never fill the fuel tank indoors (fumes can collect).
- Wipe up spilled gasoline immediately and completely.
- Do not store gasoline in a room with an appliance that has a pilot light to where electrical appliances or switches may cause sparks.
- Always store gasoline outside, in a safety can (a can which has a flame

- arrestor and pressure relief valve in pour spout).
- Gasoline fumes are heavy and will sink to the lowest point, collecting and becoming more and more hazardous.
 1 part gasoline in 20 parts air will explode easily and violently.
- Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
- Be certain to provide adequate ventilation if an engine must be run indoors - exhaust fumes are dangerous.

Guards & Shields

- Keep all safety devices in place.
- Replace all worn, damaged, unusable, missing or lost safety shields and guards before operating the equipment.
- Keep the equipment in good operating condition.

Safety Decals

- If safety related or instructional decals become illegible or are removed, replace them immediately. New decals may be obtained from your local Harper Dealer.
- If you replace parts that have such decals attached to them, make sure the decals are replaced with current versions, and are on the replacement parts before the machine is operated again.



Battery

A SAFE

SAFETY WARNING!



Batteries can produce explosive gas. Use extreme caution when working on the battery.

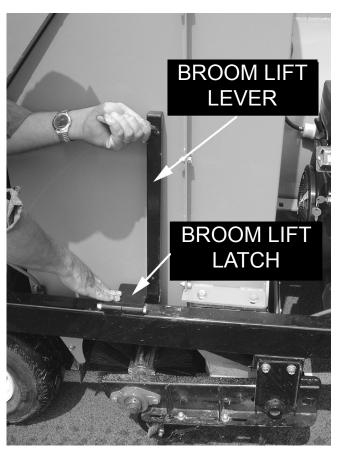
- Ventilate when charging battery or using in an enclosed space.
- DO NOT produce sparks from cable clamps, tools, or other sources; and DO NOT allow flames or smoking in the vicinity of the battery.
- Shield eyes when working near the battery.

Equipment & Controls

- Read and understand this manual.
- Altering this equipment in any manner which adversely affects its operation, performance, durability, or use will void the warranty and may cause hazardous conditions.
- Know the location and function of all controls and how to stop this equipment quickly in an emergency before you operate the equipment.
- Keep all nuts, bolts and screws tight to help ensure safe operation of this equipment.

Towing

- If towing on the highway, tail lights and turn signals must be attached before towing.
- Use a safety chain when towing.
- Make sure jack stand is up.
- Tire pressure should be 20 psi.
- Make sure lug nuts are tight.
- Broom should be locked up so that it does not rub on the ground.



Broom is locked up when the lift handle is in the vertical position and the latch is in place.

Hydraulics

Λ

SAFETY WARNING!



Escaping fluid under pressure can penetrate skin causing serious injury. To prevent serious injury or death:

- Relieve pressure on system before repairing, adjusting or disconnecting.
- Wear proper hand and eye protection when searching for leaks.
- Use wood or cardboard instead of hands when looking for leaks.
- Keep all components in good repair.
- Do not use any type of heat, (welding, soldering, cutting torch, etc) near pressurized lines.



Before Operation

- Before operating this equipment, read and understand the Owner's Manual.
- Do not allow children to operate this machine.
- Tire pressure should be 20 psi.
 Make sure both tires have equal pressure.
- Wear approved eye and ear protection and other appropriate safety equipment while operating the machine.
- Make sure bolts holding tongue are secure and the jack is in the transport position. Use a safety chain.
- Engine governor settings are preset and should not be changed; any change can damage moving parts and void the warranty.
- Before starting the machine, visually inspect all nuts, bolts and other fasteners to see that they are properly secured. Nuts, bolts and other fasteners should be checked every 8 to 10 hours of operation for proper alignment and tightness.
- Replace damaged or missing safety decals.
- Replace locknuts and locking screws if you can tighten them without feeling considerable resistance for several turns before they are completely tight.
 Replace them with factory authorized parts or their equivalent.
- Make sure that all bearings or hinging parts are greased and or oiled properly. (See Service & Maintenance Section for more information)

During Operation

- Always keep a fire extinguisher near the Turbo Vac during operation.
- Keep clothing and all body parts away from rotating parts.
- Engine governor should not be changed; any change can damage moving parts and void warranty.

- When sweeping material into the machine, make certain there are no foreign materials such as rocks, cans, bottles or other hard materials included. Sweeping hard materials will reduce the life of the plastic liner in the blower housing.
- If a foreign object should strike the broom or blower mechanism and cause an unusual noise or vibration, shut the engine off immediately and allow it to come to a complete stop. Disconnect the spark plug wire from the spark plug from the power unit.

Do the following:

- 1. Inspect for damage.
- 2. Repair or replace any damaged parts.
- 3. Check for and tighten any loose bolts, nuts, fasteners or parts.
- Keep the engine area clean from debris and other accumulations to lessen the possibility of fire.
- Keep all safety shields and guards in place and in good working condition.
- If the Turbo Vac should become clogged, shut off the engine and allow it to come to a complete stop.
- Be sure to provide adequate ventilation if the engine must be run indoors – exhaust fumes are very dangerous.
- Hydraulic system operates under high pressure. Disable system prior to service.



Operations

- 1. Obtain and wear safety goggles before operating.
- 2. Fill the tank with gasoline. (Refer to engine manual for gasoline specifics.)



SAFETY WARNING!



Gasoline is extremely flammable and can be highly explosive. See Safety Guidelines for more information.

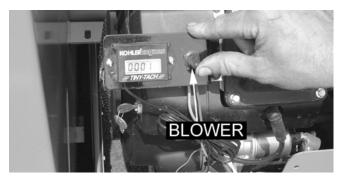
3. Make sure the vent valve on the gas cap is open. (If the cap is closed the engine will vapor lock and will not run.)



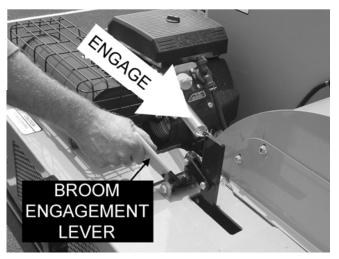
- Attach the Turbo Vac to the tow vehicle. Be sure that the Turbo Vac is adjusted to the correct height. (Refer to adjustment section for information on setting the height.)
- 5. Run the dump cable to the tow vehicle to allow for convenient dumping.

 Attach with the pin provided to allow cable to break away from tow vehicle if it is not removed when unit is disconnected. This will help prevent any damage if the cable is forgotten.
- 6. Make sure that the blower and broom are disengaged.
- 7. Turn the key switch to the start position and release as soon as the engine starts. Do not turn the starter for more than 10 seconds

8. Move the blower switch located beside the engine tachometer to the "on" position.



9. If the unit has a broom, lower it and slowly engage broom lever.



10. Begin normal operation.



TV 40

Stopping Operation



SAFETY WARNING!



Do not leave machine unattended, or attempt any service or inspection unless the machine has come to a complete stop, the engine has been shut off, and the spark plug has been disconnected.

- 1. Shut off tow vehicle and set the park brake.
- 2. Turn off the blower switch and disengage the broom lever.
- 3. Shut off the engine and allow the machine to come to a complete stop.

Unloading



SAFETY WARNING!



To reduce the risk of injury, do not stand near the back of the Turbo Vac while unloading.

- 1. Find a suitable place to dump the collected material.
- 2. Pull dump cable. Hopper door will open and material will slide out.
- 3. Drive forward to allow all the collected material to escape hopper.



4. Door will swing shut and latch when it clears the collected material.

Adjustments

Broom height

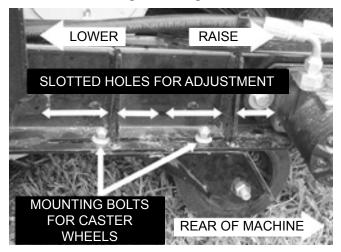
The broom height needs to be adjusted so that the broom is touching the top of the grass.



The broom height is determined by the caster wheels that it rides on. The caster wheel is attached with bolts located in slotted adjustment holes.

To adjust:

- Remove caster wheel mounting bolts.
- Adjust caster wheel to achieve desired broom height and tighten bolts.

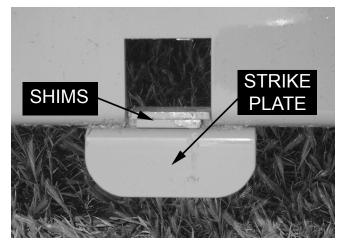


Note: Brooms are originally 12" in diameter. When the broom wears to 10" the adjustment will not lower the broom enough for it to perform adequately and needs to be replaced. Part # 973001



Hopper Door Latch

Adjustment of the hopper door latch should never be necessary. If the hopper door won't latch or the hopper door does not seal against the hopper there are adjustments that can be made. There are shims that bolt on with the strike plate that can adjust the depth of the latch. It is possible to add or remove shims to make the door close properly.

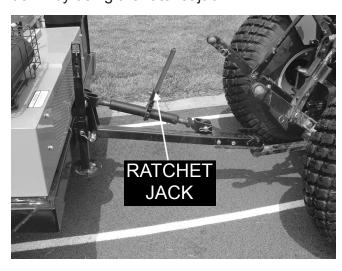


Height Adjustment

For best performance the Turbo Vac must be operating at the correct height. At the correct height the debris flap touches the top of the grass.



The height can be easily adjusted up or down by using the ratchet jack.



Blower Drive Belt Tension

The blower drive belt is adjusted by sliding the motor.

To Adjust:

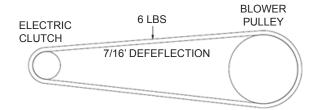
- Loosen engine mounting bolts from underneath.
- Adjustment bolts are tightened to slide motor and increase belt tension



- Apply 6 lbs. of pressure to the midpoint between the electric clutch and blower pulley. The belt should deflect 7/16 in.
- Tighten engine mounting bolts.
- Too much tension (minimal deflection)
 can damage the belt and bearings.
 Too little tension (excessive deflection)
 will allow belt to slip and decrease
 blower performance.



- To replace the drive belt, loosen the belt tensioner and remove the old belt. Install the new belt, and follow the same procedure for adjusting tension as described previously.
- Inspect the belts frequently and maintain the correct tension and alignment.

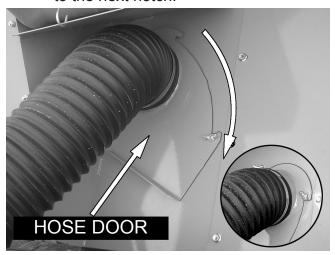


Electrical Wiring

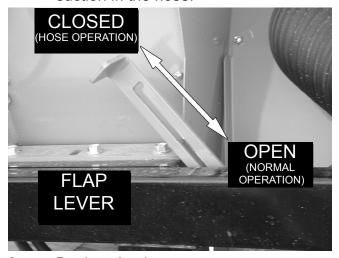
A 30 AMP fuse is located in-line between the blower switch and electric clutch.

Hose Option (900217)

 Open the Hose Door by loosening the wing nut and swiveling the door down to the next notch.



2. Close the Flap. This blocks off air intake from underneath and creates suction in the hose.



3. Begin using hose.





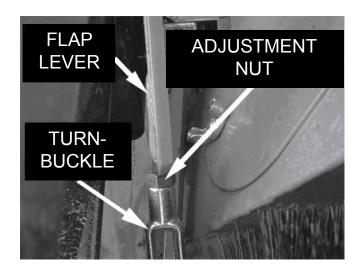
Stopping Operation

- 1. Move the flap lever to the open position.
- 2. Close the hose door.
- 3. Store hose in cavity between hopper and frame.



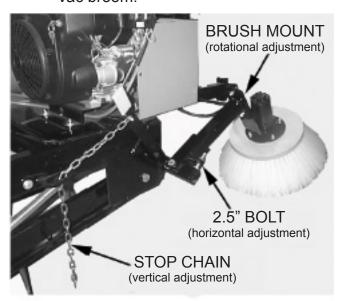
Flap Adjustment

 If there is not adequate suction at the hose make sure the flap is closing completely (a small gap will work because the vacuum will suck it shut). If there is a big gap, the flap may need adjusted. Loosening the adjustment nut will shorten the flap lever causing the flap to close tighter.



Edge Brush Option (900216)

- Follow instructions in Parts Section for installation of Edge Brush Option.
- The edge brush kit is used for cleaning areas along fences and curbs, etc., that are difficult to reach with the Turbo Vac broom.



- The edge brush can be adjusted vertically and horizontally, as well as rotated at an angle, so that debris is thrown into the Turbo Vac broom.
 For best results, angle the front edge of the brush downward.
- The stop chain is used to adjust the height of the brush during operation and to hold it up during transport.
- Never allow the brush to rest com pletely on the ground during operation.





The Turbo Vac should never be transported with the edge brush in operating position. Always use the stop chain to suspend the brush during transport.



TV 40

Contact your Harper Dealer for more information about optional equipment, or see the Harper Industries website at:

www.harperindustries.com

Transporting

Transporting Machine on a Trailer

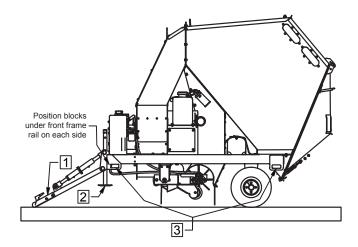
- Use the ratchet jack to lower the hitch to support the front end of the machine. For extra stability, block up the outside edges of the front of the frame.
- 2. Raise the jack stand support so that it does not contact the trailer.
- Use the front and rear tie down locations to secure the machine on the trailer.



IMPORTANT!



If the machine is secured with the jack stand support down, there is a risk of damage occurring to frame.



Service & Maintenance



SAFETY WARNING!



- Before servicing or inspecting the Turbo Vac, make sure the power source is shut off and all moving parts have stopped.
- Disconnect the spark plug wire from the spark plug or the negative battery cable to prevent the engine from being turned on accidentally during service.
- Always wear safety glasses and protective gloves when servicing the Turbo Vac.

Blower Liner



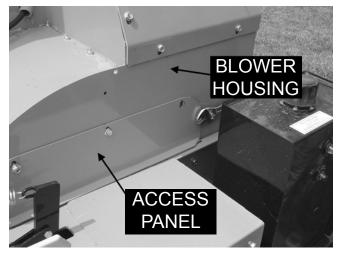
IMPORTANT!



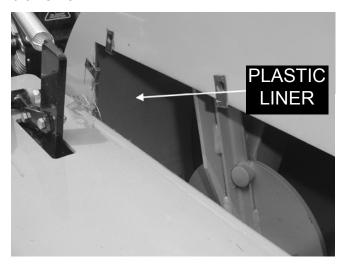
Regularly check the BLOWER LINER in the blower housing for wear. Failure to maintain blower liner may result in damage to the blower housing.

To check Blower Liner:

Remove access panel.



Check white plastic liner located around the inside walls of the blower housing around the blower fan.



If liner is damaged or worn through; replace to avoid damage to blower housing. Part # 972010 or 972021 for a heavy duty urethane liner.

NOTE: Blower liner is a wear item and is not covered under warranty. Sandy conditions may shorten the life of the blower liner.

Screens

Periodically check the return air screens located in the hopper for excess buildup. Excess buildup can reduce performance and or negate the return air system causing an increase of dust.



To Clean Main Screen: Remove the two pins holding it in place. The screen will then swing down and can easily be cleaned out.

Hydraulic System

- The hydraulic system of the TV40RE is filled at the factory with Crown AW 46 hydraulic oil that has an ISO of 46.
- The TV40RE has a 10 micron, beta rated hydraulic oil filter designed for long life.

The following list of hydraulic fluids are compatible and can be mixed with Terresolve hydraulic fluid. However, mixing these hydraulic oils could reduce the biodegradability of the oil in the system. For warm environments, it is suggested that a fluid with a viscosity of ISO 68 be used. MIXING OTHER OILS THAT ARE NOT INCLUDED ON THIS LIST COULD CAUSE GELLING AND DAMAGE TO THE HYDRAULIC COMPONENTS. If another type of oil is desired, then the system must be completely drained and flushed first.

Appropriate replacements:

ISO 46: Recommend for running in ambient air temperatures of 32°F-110°F, and it contains a kinematic viscosity rating around 46 cSt at 40°C. (1cSt = 1mm²/s)

- Mobil DTE 25
- Mobil DTE 15M
- Amoco Rykon Premium Oil ISO 46
- Chevron Rykon Premium Oil ISO 46
- Conoco Hydroclear AW MV 46
- Exxon Univis N 46
- Pennzoil AWX MV 46
- Shell Tellus 52 M46
- Shell Tellus 52 V46
- Texaco Rando HDZ 46



TV 40

Grease Locations



1. Hopper Door Latch Mechanism

The two latches and three shoulder bolts should be periodically oiled to prevent rusting and ensure proper operation.

2. Blower Shaft

The two grease zerks located on the shaft bearings should be greased every 10 hours. To access these bearings the front safety shield must be removed.

3. Broom Bearings, Pivot Arms & Wheel

The grease zerks located on the ends of the broom shaft, the pivot arms and the caster wheel should be greased every 10 hours. The pivot arm grease zerks are accessed through a hole in the frame.

4. Ratchet Jack

There are two grease zerks on the ratchet jack that should be greased annually.

Service Schedule

*Refer to engine manual for more information on engine servicing
**Disclaimer – On engine applications KOHLER Engine Co. recommends the following:

Daily or Be	fore Starting	Engine
-------------	---------------	--------

Check hydraulic oil level...... Crown AW 46 or appropriate replacement

- oil has shelf life of two years

Check air intake and cooling areas...... Clean if necessary

Visually inspect machine...... Check for loose bolts, fitting and hoses

25 Hour Service (including previous items)

Check plastic liner (replace if necessary)......DewEze part # 972010

50 Hour Break-in Service (perform after first 50 hours of use)

100 Hour Service (including previous items)

Change oil......SAE 10W-30

Clean cooling areas by removing cooling shrouds

Check serviceability of battery

200 Hour Service (including previous items)

Check spark plug condition and gap...... Gap to .76 mm (.030 in.)

Kohler part # 12 132 02-S

Spark Plug – Champion RC12YC

Change oil filter...... Kohler part # 12 050 01-S

250 Hour or Annually Service (including previous items)

Change hydraulic filter...... DewEze part # 220559

Check inner air cleaner element (change if dusty from severe conditions)

Kohler part # 25 083 04-S

500 Hour or Annually Service (including previous items)

Have Bendix starter drive serviced***

Have solenoid shift starter disassembled and cleaned***

Have crankshaft spline lubricated***

Change inner air cleaner element......Kohler part # 25 083 04-S

***Should be serviced by an authorized Kohler Dealer



TV 40

Troubleshooting

Engine:

Problem:	What to Check:
Engine will not start	 Improper control settings Engine may be low on fuel Engine may be low on oil Battery charge may be too low Possible internal problems Make sure engine is primed with gas from the manual primer bulb
Problem:	What to Check:
Engine shuts off during operation	Engine may be low on fuelEngine may be low on oilAir filter may be clogged

Vacuum:

Problem:	What to Check:
Turbo Vac won't sweep up material	 Hopper may be full Turbo Vac may not be close enough to the ground Air screens in hopper may be plugged Nozzle may be plugged Door for hose option may be closed



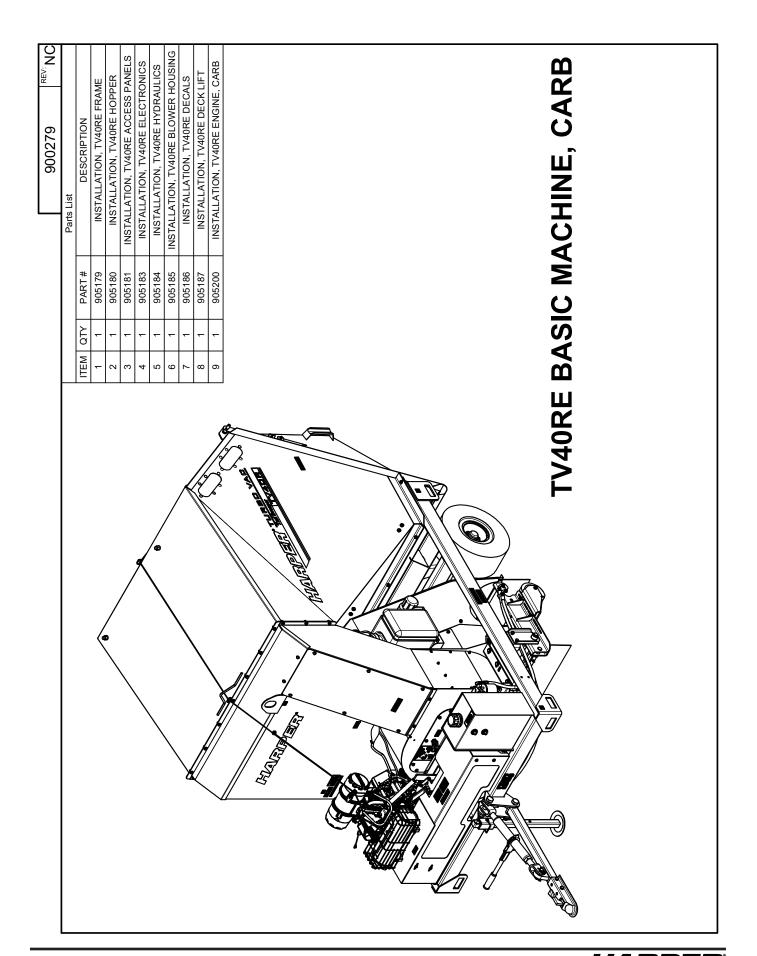
Parts Section



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PARTS SECTION Table of Contents Frame Frame Installation..... 1.0 **Hopper Installation** Hopper & Return Screen..... Door & Latch Installation..... **Access Panels** Access Panel Installation..... 3.0 **Electronics Hydraulics** Hydraulics Installation..... **Blower Housing** Fan & Liner Installation...... 6.1 Blower Housing Assy...... 6.2 **Decals Deck Lift** Deck Lift Installation..... **Engine Brushes & Fingers** Brush Assembly...... 10.1 Finger Assembly...... 10.2 **Options** Optional Remote Hose...... 11.0 Optiontal Curb Brush...... 12.0





Parts List	DESCRIPTION	PIN, LOCK 3/8 X 2.5 SQ	BOLT, 1-8 X 5.5	BOLT, 1/2-13 X 3.0	NUT, 1-8 LOCK NYLON INSERT	NUT, CASTLE 3/4-16	NUT, 1/2-13, UNITORQUE LOCK	WASHER, 3/4 FLAT SAE	HUB ASSEMBLY	COTTER PIN, 1/8 X 1.25	GRIP, HANDLE 7/8" RND X 4.56"	BALL COUPLER, 2"	RATCHET JACK	TIRE & WHEEL ASSY, 9.5-8 x 18 TURF	Frame, TV40	HITCH ASSY WLDMNT	JACK STAND WLDMNT	
	PART#	110304	110361	110428	110602	110613	110615	110678	510235	510463	902175	912100	942160	943051	975189	975601	975610	<u>Z</u>
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	ITEM	~	2	3	4	2	9	7	80	6	9	7	12	13	4	15	16	
														<u>/</u> ,				TV40RE FRAME INSTALLATION

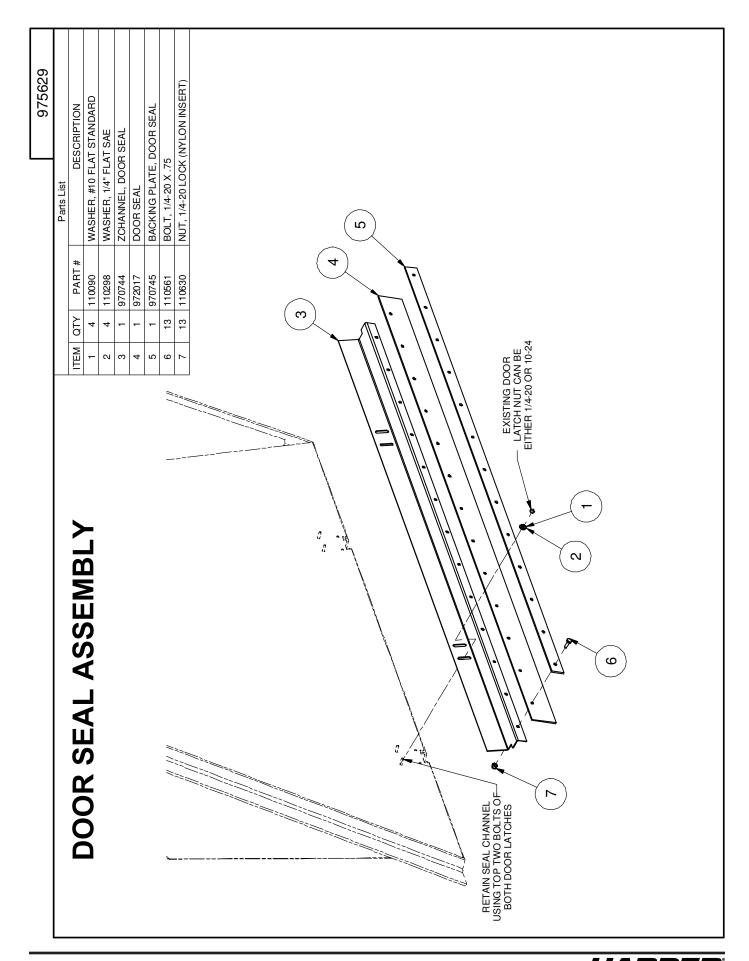
905179 PE-NC	Parts List	DESCRIPTION	KAICHEI JACK	IIRE & WHEEL ASSY, 9.5-8 x 18 IURF	Frame, 1V40	HITCH ASSY WLDMNT	JACK STAND WLDMNT				HUB INSTALLATION:	TIGHTEN NUT ON SPINDLE	E ROTATING HUB	BACK OFF NUT UNTIL FIRST CASTELLATION ALIGNS WITH HOLE INSTALL COTTER PIN IN HOLE		8.2)		(13)			(8.5))				
		PART#	942160	943051	9/5189	975601	975610				JB INST	TIGHT	TORQ	BACK CASTI INSTA		8				8.3	6) S)				
	ŀ	ΔŢ,	-	2 ,	_	_	-				Image: section of the	<u> </u>	2	ε. 4 _.				8.3	/	_		FT-LB(
		TEM	7.7	13	41	15	16				(4	$\Big)$				(8) 4.		(\o	((TOROLLE LUGNUTS	TO 100 FT-LBS				
	Parts List	DESCRIPTION	SEAL, CR 12407	DUST CAP	COLIER PIN, 1/8 X 1.25	GRIP, HANDLE 7/8" RND X 4.56"	BALL COUPLER, 2"	«											<u>.</u>		ACT.	<u> </u>				
	- 1	PART #	510467	510469	510463	902175	912100				1	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			\int											
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	⊢	_	8.4	8.5	מ כ	10	1						/				\				2		(-	$\overline{}$	16	
			PIN, LOCK 3/8 X 2.5 SQ	BOL1, 1-8 X 5.5	BUL1, 1/2-13 X 3.0	NUT, 1-8 LOCK NYLON INSERT	NUT, CASTLE 3/4-16	NUT, 1/2-13, UNITORQUE LOCK	WASHER, 3/4 FLAT SAE	HUB ASSEMBLY	LUGNUT, 1/2-20 GR 5	BEARING CUP, 1.98 X .42	BEARING CONE, TAPER 1.0 X .58				7					4		((15)	
		PART#	110304	110361	110428	110602	110613	110615	110678	510235	110617	510465	510466		IN AND 110602 ECURE	12	/	7		1	A			\sim	3	
	-	ΔTΥ,	+			2		2	2	2	4		2		DISCARD PIN AND USE 110361 & 110602 TO SECURE	_								•		
		ITEM	-	2	χ, ·	4	2	9	7	8	8.1	8.2	8. S.		DIS USE 1	(9			(9)	•	9	(=	

-																					7					→ //					A			7	>				
Parts List	DESCRIPTION	HANDLE, CABLE	DEBRIS FLAP-RETURN SCREEN	STRIKE PLATE	HOPPER	RETURN SCREEN WLDMNT	LEVER WLDMNT, RIGHT DOOR LATCH	DOOR SEAL ASSEMBLY	•	/	/	<		\	\	\																							
	PART #	970727	970729	970733	975600	975606	975613	975629						`	اع	_								`	\	\	>	1	_										
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	ITEM	38	39	40	41	42	43	44																				_			_	_							
Parts List	DESCRIPTION	THIMBLE, WIRE ROPE 1/8"	CLIP, WIRE ROPE 1/8"	SEAL	Bolt, 5/16-18 X 0.75 in Carriage	WASHER, 3/8" FLAT SAE	Pin, Lynch 7/16 x 1 3/4	BOLT, 5/16-18 X 1 FLT HD SKT	BOLT, 10-24 X 1.25 SHCS	BOLT, 5/16-18 X 1.0	BOLT, 3/8-16 X 0.75, WIZ FLANGE	BOLT, 3/8 X 3/8 SHOULDER SHCS	BOLT, 3/8-16 X 1, WIZ FLANGE	BOLT, 5/16-18 X 0.75, WIZ FLANGE	BOLT, 5/8-11 X 1.5 GR 5	NUT, 5/16-18 LOCK (NYLON)	NUT, 5/16-18 WIZ FLANGE	NUT, 10-24 LOCK NYLON INSERT	NUT, 5/8-11, UNITORQUE LOCK	NUT, 3/8-16 WIZ FLANGE	WASHER, 1/4" FLAT STANDARD	BOLT, 5/16-18 X 2 EYE	NUT, 3/8-16 GR 5	SPRING, 4.50" X .625"OD EXTENSION	CLIP, HAIRPIN	SIGHT GLASS, HOPPER	Backing Plate, Sight Glass	PIN WELDMENT, HOPPER DOOR	SCREW, 1/4 X 1 TEK SELF-TAP	ASSY, TV40 HOPPER DOOR W/ DECALS	ENGAGING CHANNEL CLIP	PIN, STABILIZER	DOOR LATCH	BAR, PROP	LEVER, LEFT DOOR LATCH	LATCH SHIM	LATCH CABLE TV40	LATCH SPACER	HOPPER INSTAL
	PART#	100621	100622	100623	110020	110155	110305	110328	110357	110423	110437	110439	110440	110444	110576	110603	110606	110631	110639	110645	110673	110743	110826	111114	210326	311691	311692	315257	710586	905188	910046	942161	950002	970211	970622	970678	970715	970725	
	QTY	-	4	31.5 FT	12	5	2	1	8	4	16	3	8	5	2	2	12	8	2	22	8	2	2	2	-	2	2	2	8	-	2 0	7	2	-	-	2	-	2	
	ITEM	-	2	3	4	5	9	7	_∞	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	52	56	27	78	59	8 2	ر ا	32	33	34	35	36	37	



A																										Z
905180 REV	Parts List	DESCRIPTION	SEAL	Bolt, 5/16-18 X 0.75 in Carriage	Pin, Lynch 7/16 x 1 3/4	BOLT, 5/16-18 X 1 FLT HD SKT	BOLT, 3/8-16 X 0.75, WIZ FLANGE	BOLT, 3/8-16 X 1, WIZ FLANGE	BOLT, 5/16-18 X 0.75, WIZ FLANGE	BOLT, 5/8-11 X 1.5 GR 5	NUT, 5/16-18 LOCK (NYLON)	NUT, 5/16-18 WIZ FLANGE	NUT, 5/8-11, UNITORQUE LOCK	NUT, 3/8-16 WIZ FLANGE	WASHER, 1/4" FLAT STANDARD	NUT, 3/8-16 GR 5	SIGHT GLASS, HOPPER	Backing Plate, Sight Glass	PIN WELDMENT, HOPPER DOOR	SCREW, 1/4 X 1 TEK SELF-TAP	PIN, STABILIZER	BAR, PROP	DEBRIS FLAP-RETURN SCREEN	HOPPER	RETURN SCREEN WLDMNT	HOPPER & RETURN SCREEN
	P																									
		PART#	100623	110020	110305	110328	110437	110440	110444	110576	110603	110606	110639	110645	110673	110826	311691	311692	315257	710586	942161	970211	970729	975600	975606	MOUNT SIGHT GLASS INSIDE OF HOPPER
		QTY	31.5 FT	12	2	-	16	8	5	2	5	12	2	22	8	2	2	2	2	8	2	1	1	1	1	NSIDE OF
		ITEM	3	4	9	7	10	12	13	41	15	16	18	19	20	22	25	26	27	28	31	33	39	4	42	
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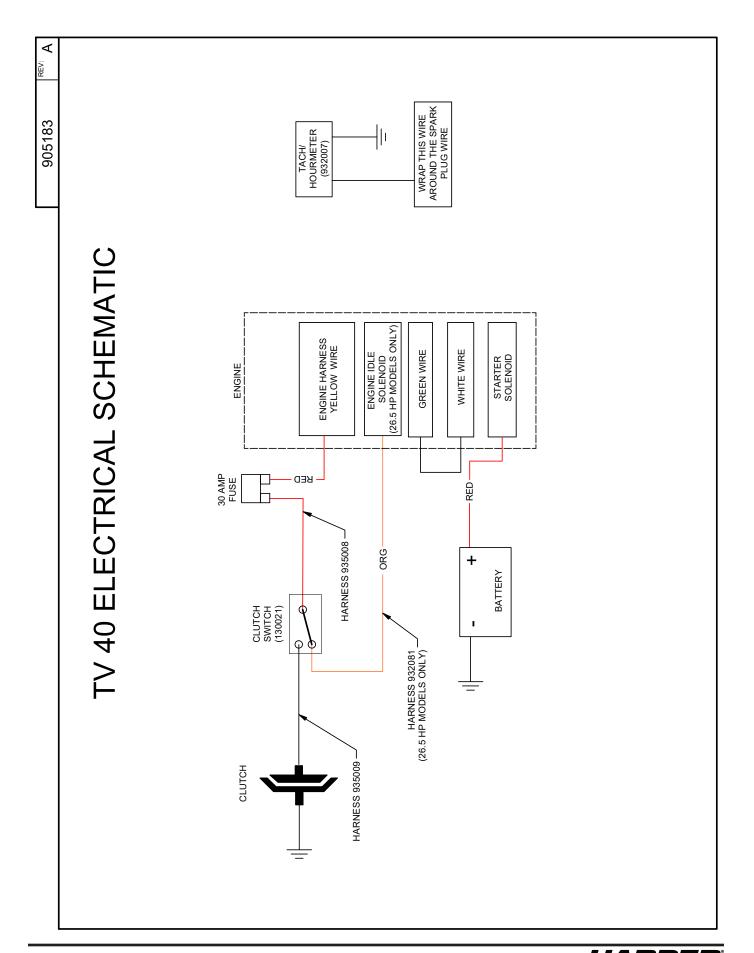
905180 REV: A	Parts List	DESCRIPTION	THIMBLE, WIRE ROPE 1/8"	CLIP, WIRE ROPE 1/8"	WASHER, 3/8" FLAT SAE	BOLT, 10-24 X 1.25 SHCS	BOLT, 5/16-18 X 1.0	BOLT, 3/8 X 3/8 SHOULDER SHCS	NUT, 5/16-18 LOCK (NYLON)	NUT, 10-24 LOCK NYLON INSERT	BOLT, 5/16-18 X 2 EYE	SPRING, 4.50" X .625"OD EXTENSION	CLIP, HAIRPIN	ASSY, TV40 HOPPER DOOR W/ DECALS	ENGAGING CHANNEL CLIP	DOOR LATCH	LEVER, LEFT DOOR LATCH	LATCH SHIM	LATCH CABLE TV40	LATCH SPACER	HANDLE, CABLE	STRIKE PLATE	LEVER WLDMNT, RIGHT DOOR LATCH	DOOR SEAL ASSEMBLY	24) DOOR & LATCH INSTALL
		PART #	100621	100622	110155	110357	110423	110439	110603	110631	110743	111114	210326	905188	910046	950002	970622	829026	970715	970725	970727	970733	975613	975629	4
		QTY	1	4	2	8	4	3	2	8	2	2	-	-	2	2	-	2	7	2	-	2	-	1	්
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				905183 REV: A
	MHLI	ΣI	PART#	Parts List
	-	4	110444	BOLT. 5/16-18 X 0.75. WIZ FLANGE
	2	3	110606	NUT, 5/16-18 WIZ FLANGE
	3	2	110631	NUT, 10-24 LOCK NYLON INSERT
	4	2	110726	CLAMP, ADEL .75WX.5IDx.406 HOLE
	2	-	130021	SWITCH, SPDT, NO CENTER
	9	-	132014	INSULATOR CAP, (ALTERNATOR)
	7	-	132069	BATTERY TERMINAL COVER, POSITIVE
	8	2	510960	SCREW, 10-24 X 0.5, RHMS
	6	-	905191	ASSY, TACHOMETER BRACKET W/ DECALS
	9	-	910957	BRKT, BATTERY HOLD DOWN
	-	-	932007	TACHOMETER / HOUR METER
	12	-	932053	BATTERY, 12V GEL
	13	-	932066	BATTERY CABLE, POSITIVE 4 GA - 60"
	14	-	932067	BATTERY CABLE, GROUND
	15	-	935008	FUSE LINK
	16	-	935009	CLUTCH WIRE ASSY
ELECTRONICS INSTALLATION				

905183 REV: A	Parts List	QTY PART#	110444 BOL	110606	2 110631 NUT, 10-24 LOCK NYLON INSERT 2 110726 CLAMP. ADEL 75WX, 5IDx, 406 HOLE	130021	1 132069 BATTERY TERMINAL COVER, POSITIVE	ASSY,	910957	932007 TACH	932053	1 932066 BATTERY CABLE, POSITIVE 4 GA - 60"		FUS	935009	935008 To Middle Of Switch Red Wire of 935009 To Bottom Of Switch 932081 To Top Of Switch (26.5 HP Models Only)	
	4	ITEM	-	1		2			10		15		3	2 22	91		TO ENGINE STARTER SOLONOID
			(1)			<u> </u>			(12)		(† 1.)			GROUND TO FRAME		NOTE: REMOVE PAINT TO ENSURE PROPER GROUND	8 8 (15.1)



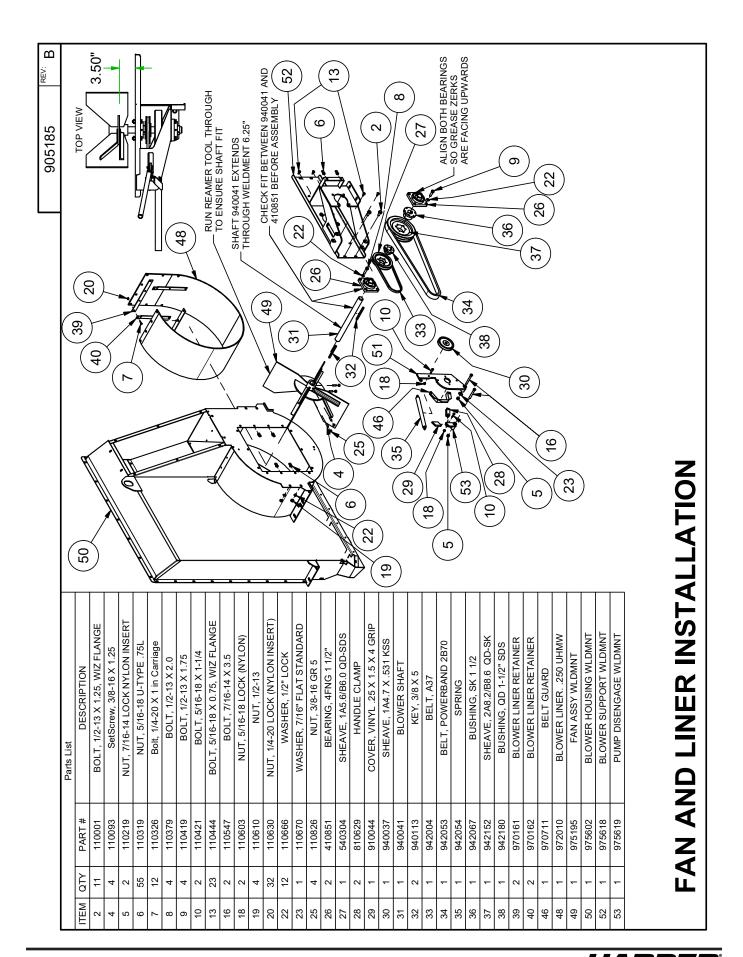
				905184 REV: NC	O
				Parts List	
	ITEM	QTY	PART#	DESCRIPTION	
	_	2	110001	BOLT, 1/2-13 X 1.25, WIZ FLANGE	
	2	2	110395	BOLT, 3/8-16 X 1.0 SHCS	
	က	-	110440	BOLT, 3/8-16 X 1, WIZ FLANGE	
	4	7	110588	NUT, 1/2-13 WIZ FLANGE	
	2	-	110645	NUT, 3/8-16 WIZ FLANGE	Т
	9		110672	WASHER, 3/8" LOCK	
		+	110727	CLAMP, ADEL .75WX.75IDX.406HOLE	Т
	∞	2	112008	CLAMP, 1.25", T-BOLT	Т
	o ;	_ ,	120184	ADAPTER, 12BH-10MB90	П
	2	_	120218	ADAPTER, 6MJ-6FJX90	Т
	7	-	120227	ADAPTER, 12BH-12MP	
	12	-	120239	ADAPTER, 6MJ-8MB	
	13	-	120500	ADAPTER, 6MJ-6MP90	
	14	_	220121	FITTING, NIPPLE 3/8 X 1	
	15	_	220558	SPIN ON FILTER HEAD	
	16	1	220559	FILTER ELEMENT	
	17	-	720214	PUMP, .43 CI, AA	
	18	-	920002	HOSE, .75-124 HWR X 20	
	19	-	920033	HOSE, .375 X66" 6FJX90M-6FJX90M	
	20	-	920034	HOSE, .375 X 48" 6FJX90M-6FJX90M	
	21	1	975620	HYDRAULIC TANK ASSY	
HYDRAULICS INSTALLATION					
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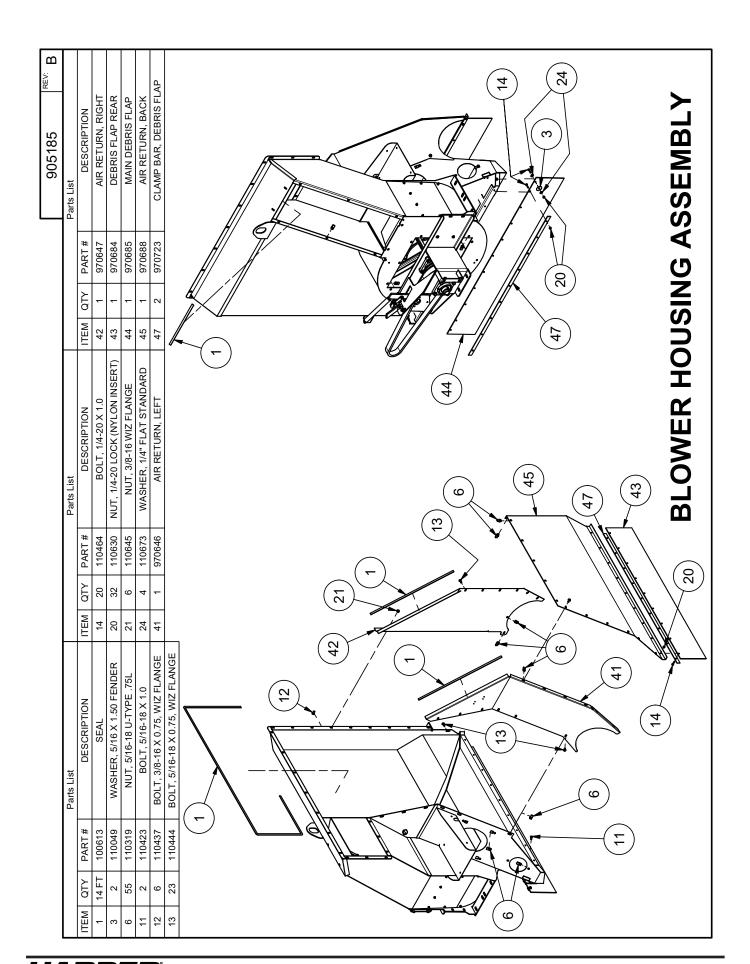


2 110000 1001 1	2										
1 100 20 100 20 10 10 10	+01.006		PUMP, .43 CI, AA	HOSE, .75-124 HWR X 20	HOSE, .375 X66" 6FJX90M-6FJX90M	HOSE, .375 X 48" 6FJX90M-6FJX90M	HYDRAULIC TANK ASSY	SIGHT GLASS	FITTING, PLUG 3/8" PIPE	BREATHER/FILLER CAP	DIRECTION OF FLOW
Columbia Columbia		PART#	720214	920002	920033	920034	975620	200116	720108	923001	
Columbia Columbia		ΔTY	-	-	-	-	-	2	_	-	
1 10001 2001, 13.04 1.0001 2001, 13.04 1.0001 2001, 13.04 1.0001 2001, 13.04 1.0001 2001, 13.04 1.0001 2001, 13.04		_	_	18	19	20	21	1.1	1.2	1.3	
10001 BOLT, 1213 x 1.25, WZ FLANGE 1 1 120184 ADAPTER, 138 1 110440 BOLT, 38-16 x 1.0 1 12018 ADAPTER, 138 1 110540 BOLT, 38-16 x 1.0 1 12023 ADAPTER, 138 1 110540 BOLT, 38-16 x 1.0 1 12023 ADAPTER, 138 1 110540 BOLT, 38-16 x 1.0 1 1 1 1 1 1 1 1 1	\vdash	=			1	- 1	. ,	2	7	2	
DESCRIPTION TIEM OTY	Parts List		ADAPTER, 12BH-10MB90	ADAPTER, 6MJ-6FJX90	ADAPTER, 12BH-12MP	ADAPTER, 6MJ-8MB	ADAPTER, 6MJ-6MP90	FITTING, NIPPLE 3/8 X 1	SPIN ON FILTER HEAD	FILTER ELEMENT	
DESCRIPTION			120184	120218	120227	120239	120500	220121	220558	220559	NOTE: APPL TAPE TO T
DESCRIPTION		QTY	-	-	-	-	7	1	1	1	(27) (17) (17) (17) (17) (17) (17)
DESCRIPTION		TEM	6	10	7	12	13	14	15	16	N TAPETA
EM QTY PART# 1 2 110001 2 2 110395 3 1 110440 4 2 110588 5 1 110672 6 2 110672 7 1 110727 8 2 112008 90° 10	Parts List	DESCRIPTION		BOLT, 3/8-16 X 1.0 SHCS	BOLT, 3/8-16 X 1, WIZ FLANGE	NUT, 1/2-13 WIZ FLANGE	NUT, 3/8-16 WIZ FLANGE	WASHER, 3/8" LOCK		CLAMP, 1.25", T-BOLT	FILTER FITTING ORIENTATIO
10 90° C 1		PART #	110001	110395	110440	110588	110645	110672	110727	112008	SS ORIENT 10 10 10 10 10 10 10 10 10 10
10 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Τ	2	2	_	7	_	2	_	2	ž Ž
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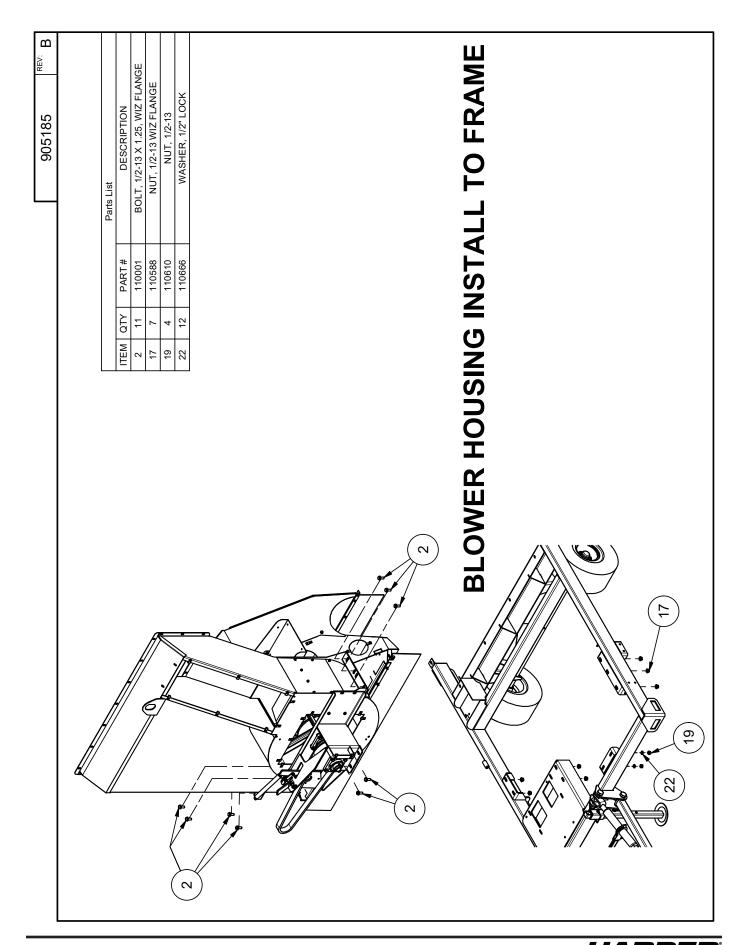
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	DESCRIPTION	BELT A37	BELT POWFRBAND 2870	SPRING	BUSHING, SK 11/2	SHEAVE, 2A8.2/B8.6 QD-SK	BUSHING, QD 1-1/2" SDS	BLOWER LINER RETAINER	BLOWER LINER RETAINER	AIR RETURN, LEFT	AIR RETURN, RIGHT	DEBRIS FLAP REAR	MAIN DEBRIS FLAP	AIR RETURN, BACK	BELT GUARD	CLAMP BAR, DEBRIS FLAP	BLOWER LINER250 UHMW	FAN ASSY WLDMNT	BLOWER HOUSING WLDMNT	PUMP MOUNT WLDMNT	BLOWER SUPPORT WLDMNT	PUMP DISENGAGE WLDMNT		NO NO
Parts List	.		BFI T		BU	SHEAV	BUSH	BLOWE	BLOWE	AIF	AIR	DEF	MA	AIR		CLAMP	BLOWE	FAN	BLOWER	PUMF	BLOWEF	PUMP D		
	PART #	942004	942053	942054	942067	942152	942180	970161	970162	970646	970647	970684	970685	970688	970711	970723	972010	975001	975602	975605	975618	975619		STA
	\ YT0	; -	- -	-	-	-	-	2	2	-	-	-	1	-	1	2	—	-	-	-	τ-	-		Z
	ITEM	33	8 8	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	20	51	52	53		<u>5</u>
Parts List	DESCRIPTION	BOLT 5/16-18 X 1.0	BOLT 3/8-16 X 0.75 WIZ FLANGE	BOLT, 5/16-18 X 0.75, WIZ FLANGE	BOLT, 1/4-20 X 1.0	BOLT, 3/8-16 X .375 SHCS	BOLT, 7/16-14 X 3.5	NUT, 1/2-13 WIZ FLANGE	NUT, 5/16-18 LOCK (NYLON)	NUT, 1/2-13	NUT, 1/4-20 LOCK (NYLON INSERT)	NUT, 3/8-16 WIZ FLANGE	WASHER, 1/2" LOCK	WASHER, 7/16" FLAT STANDARD	WASHER, 1/4" FLAT STANDARD	NUT, 3/8-16 GR 5	BEARING, 4FNG 1 1/2"	SHEAVE, 1A5.6/B6.0 QD-SDS	HANDLE CLAMP	COVER, VINYL .25 X 1.5 X 4 GRIP	SHEAVE, 1A4.7 X .531 KSS	BLOWER SHAFT	KEY, 3/8 X 5	BLOWER HOUSING INSTALLATION
	PART #	110423	110437	110444	110464	110472	110547	110588	110603	110610	110630	110645	110666	110670	110673	110826	410851	540304	810629	910044	940037	940041	940113	BLO
	ΣL	,	1 G	23	20	2	2	7	2	4	32	9	12	-	4	4	2	-	2	-	τ-	-	2	_
	ITEM	7	12	13	14	15	16	17	18	19	20	21	22	23	24	25	56	27	28	58	30	31	32	
Parts List	DESCRIPTION	SFAI	BOLT 1/2-13 X 1.25 WIZ FLANGE	WASHER, 5/16 X 1.50 FENDER	SetScrew, 3/8-16 X 1.25	NUT, 7/16-14 LOCK NYLON INSERT	NUT, 5/16-18 U-TYPE .75L	Bolt, 1/4-20 X 1 in Carriage	BOLT, 1/2-13 X 2.0	BOLT, 1/2-13 X 1.75	BOLT, 5/16-18 X 1-1/4		A	<i>[</i>]										
	PART#	1	+	110049	110093	110219	110319	110326	110379	110419	110421			\ \	//	// 								
	ΛTO	14 FT	= =====================================	5	4	2	22	12	4	4	2													
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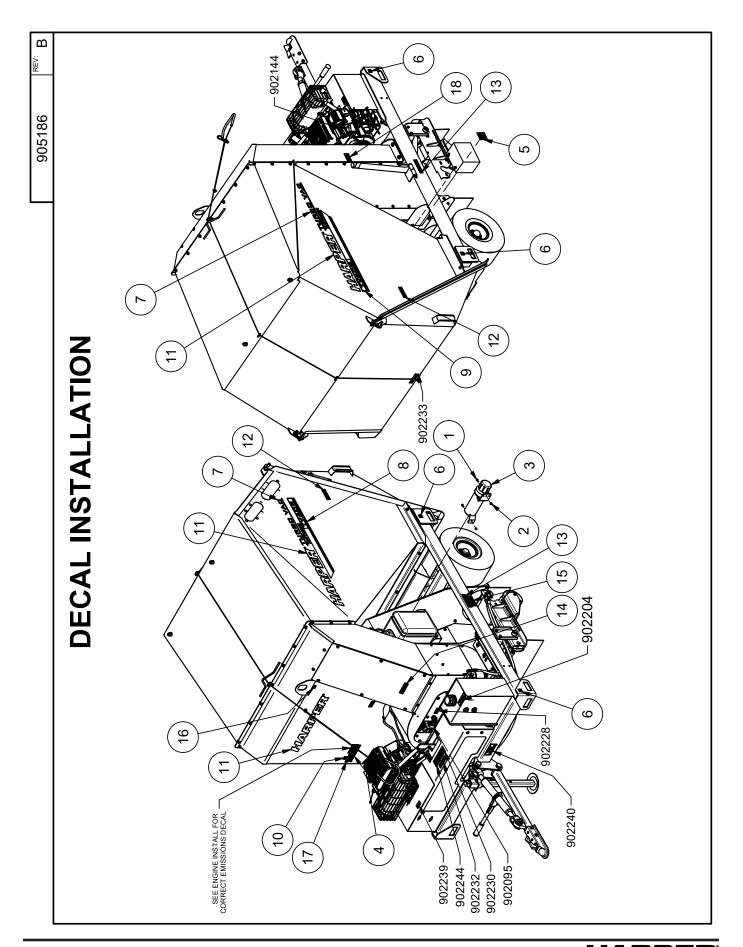


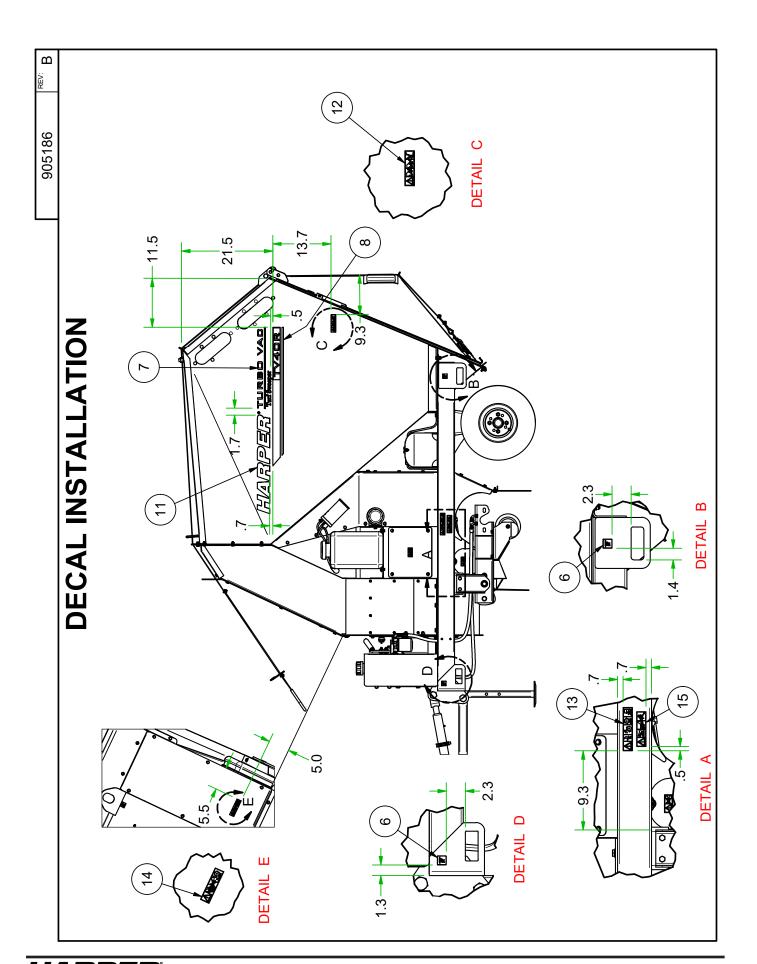


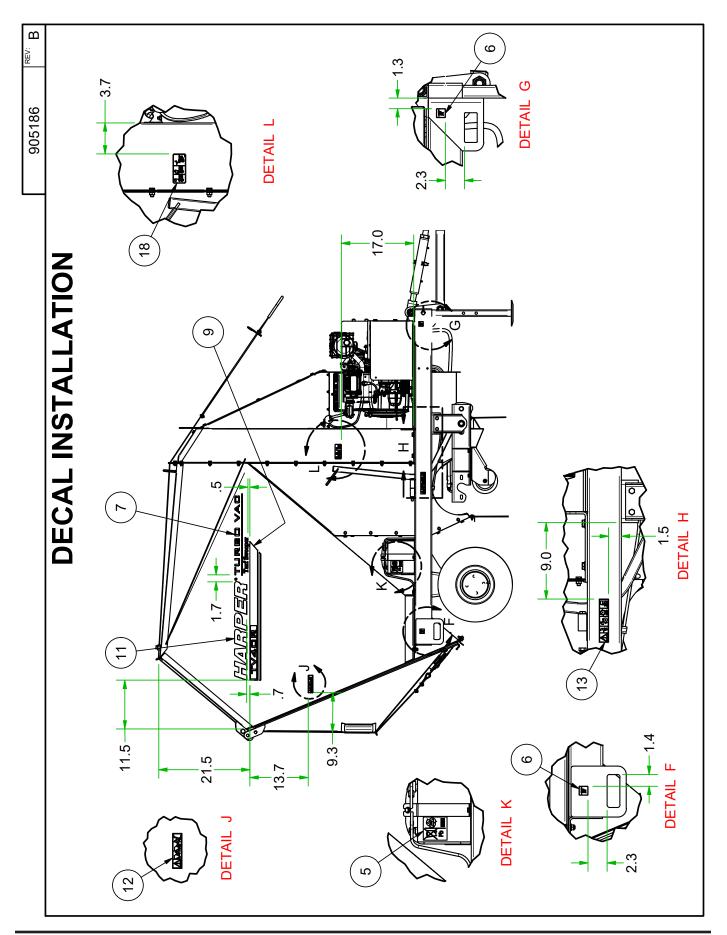


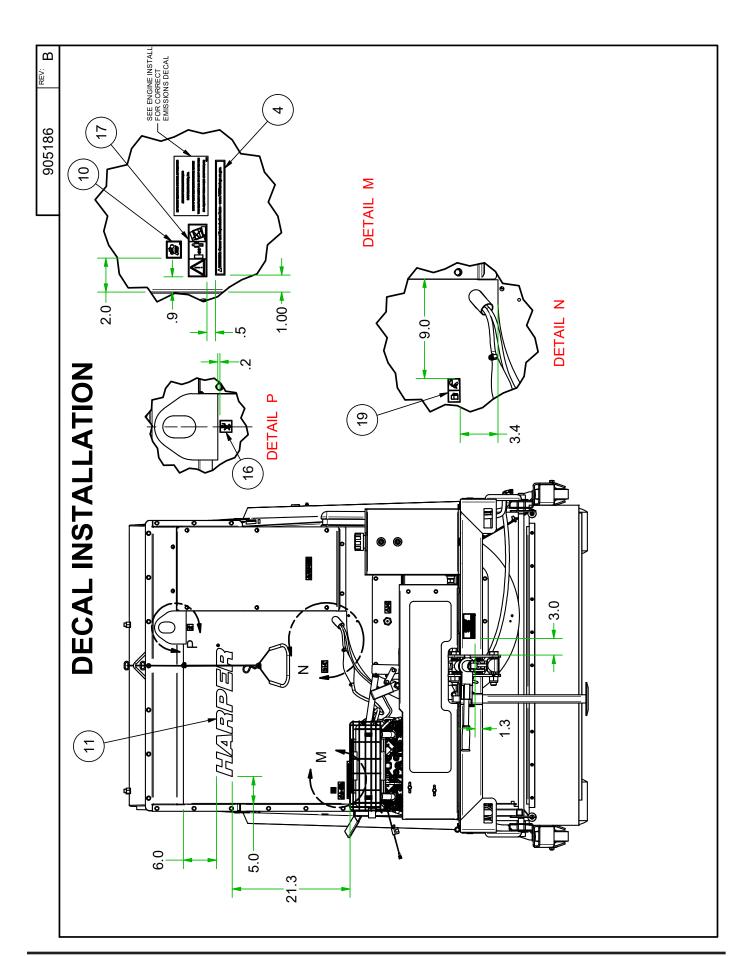


	List
TEM QTY PART# TEM QTY TEM QTM QTM TEM QTM QTM TEM QTM QTM QTM QTM QTM QTM QTM QTM QTM QT	
1 2 110209 110200 11	DESCRIPTION
2 110630 3 1 152004 4 1 202134 6 4 1 800195 6 6 4 1 800195 6 7 2 902087 9 1 902195 11 3 902195 12 2 902226 13 2 902234 14 1 902238 15 1 902238 16 1 902238 17 1 902238 18 1 902238 18 1 902238 19 1 902238 19 1 902238	DLT, 1/4-20 X .625 HEX GR 5
1	1/4-20 LOCK (NYLON INSERT)
4 1 202134 5 1 8 02087 6 4 802087 7 2 902084 8 1 902085 9 1 902085 11 3 902149 12 2 90222 13 2 90223 16 1 90223 16 1 90223 17 1 90223 18 1 90223 18 1 902236 19 1 902246	HOLDER, MANUAL
1	CAL, PROP 65, SHORT FORM
1	Poor Tip Pour Boint
10	ceal, Turbo Vac. Turf Sweeper
9 1 902086 10 1 902149 11 3 902185 12 2 902226 13 2 902227 14 1 902234 16 1 902234 18 1 902234 19 1 902246	Decal, TV40 Stripe, Left
10 1 902149 11 3 902195 11 3 2 902226 13 2 902227 14 1 902234 16 1 902234 18 1 902246	Decal, TV40 Stripe, Right
11 3 902196 1 1 2 2 902226 1 3 2 3 3 3 3 3 3 3 3	L, READ OPERATORS MANUAL.
12 2 902226 13 2 902227 14 1 902232 15 1 902234 15 1 902234 16 1 902234 16 1 902246 16 17 1 902246 17 19 902246 18 17 902246 19 19 902246 19 19 19 19 19 19 19 1	ARPER 2.87 X 24.00, BLACK GLOSS
1	Decal, noppel Clushing
15 1 902232 16 1 902234 17 1 902236 18 1 902246	Decal, Impeller Shield
16 1 902234 17 1 902235 18 1 902246 19 1 902246	ecal, High Pressure Injection
17 1 902235 18 1 90238 19 1 902246	Decal, No Lift
18 1 902238 19 1 902246	ecal, Safe Distance, No Slope
19 1 802246	Decal, Lower Broom
	Decal, Fuel Primer Location
DECAL INSTALLATION	









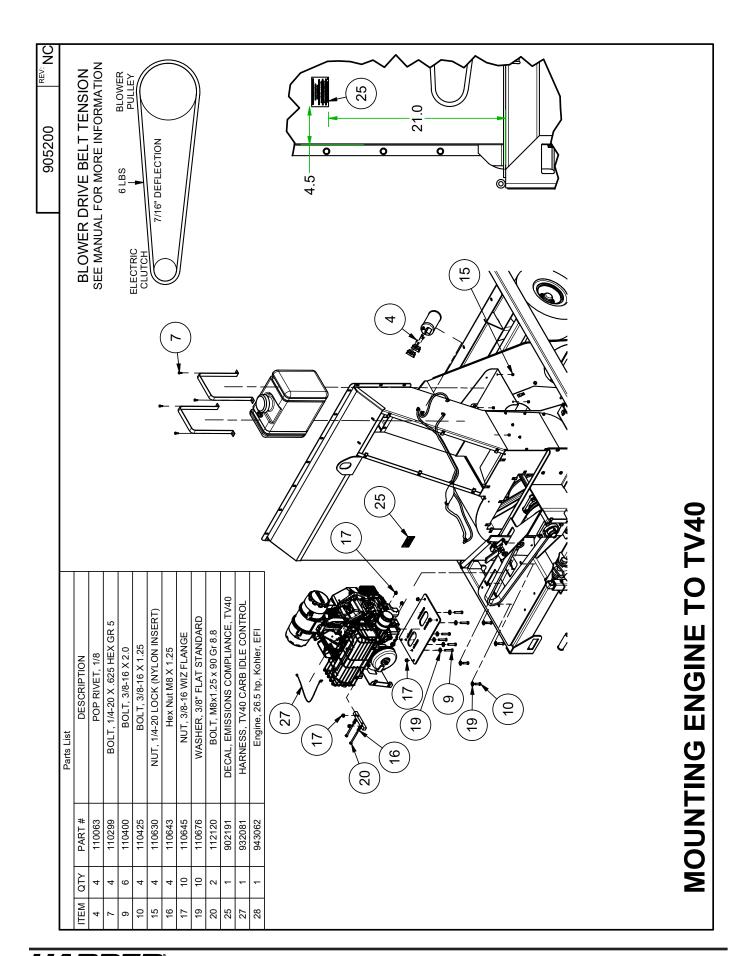
				905187 REV: B
				Parts List
	ITEM	ΔT	PART#	DESCRIPTION
K	1	2	110004	BOLT, 1/2-13 X 4.5
	2	4	110155	WASHER, 3/8" FLAT SAE
	က	2	110219	NUT, 7/16-14 LOCK NYLON INSERT
	4	-	110313	1-1/4 SQ PLUG
	2	4	110433	BOLT, 3/8-16 X .75
	9	4	110528	BOLT, 7/16-14 X 1.0
	7	2	110642	NUT, 1/2-13 HEX JAM GR 2
8 1 (8	4	110672	WASHER, 3/8" LOCK
	6	-	110710	BOLT, 7/16-14 X 5.0
	10	2	500231	GREASE ZERK, 1/4-28 45deg
	1	-	910044	COVER, VINYL .25 X 1.5 X 4 GRIP
	12	4	910050	ENGAGING CHANNEL SPACER
	13	2	940043	CASTER WHEEL ASSY
	14	2	975188	Weldment, TV40 Caster Wheel Bracket
	15	_	975614	LEFT BROOM ARM WLDMNT
	16	-	975615	BROOM LIFT WLDMNT
	17	_	975616	RIGHT BROOM ARM WLDMNT
	18	2	975617	BROOM PIVOT WLDMNT
	19	1	975623	BROOM LATCH WLDMNT
DECK LIFT INSTALLATION				



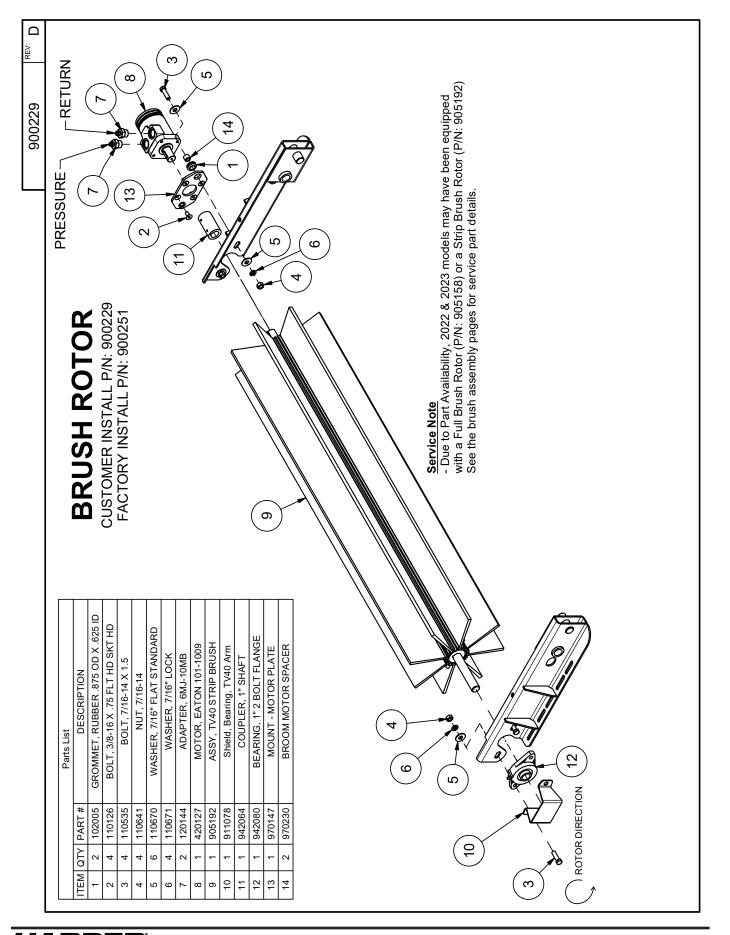
905187 REV: B	Parts List	DESCRIPTION	BOLT, 1/2-13 X 4.5	WASHER, 3/8" FLAT SAE	NUT, 7/16-14 LOCK NYLON INSERT	1-1/4 SQ PLUG	BOLT, 3/8-16 X .75	BOLT, 7/16-14 X 1.0	NUT, 1/2-13 HEX JAM GR 2	WASHER, 3/8" LOCK	BOLT, 7/16-14 X 5.0	GREASE ZERK, 1/4-28 45deg	COVER, VINYL .25 X 1.5 X 4 GRIP	ENGAGING CHANNEL SPACER	CASTER WHEEL ASSY	CASTER WHEEL 6"	RETAINING SEAL	ROLLER BEARING	SPANNER BUSHING, .75X.5X2.437	Weldment, TV40 Caster Wheel Bracket	LEFT BROOM ARM WLDMNT`	BROOM LIFT WLDMNT	RIGHT BROOM ARM WLDMNT	BROOM PIVOT WLDMNT	BROOM LATCH WLDMNT	
		PART#	110004	110155	110219	110313	110433	110528	110642	110672	110710	500231	910044	910050	940043	942071	942115	942116	942164	975188	975614	975615	975616	975617	975623	
		ITEM QTY	1 2	2 4	3 5	4	5 4	6 4	7 2	8	1	10 2	11 1	12 4	13 2	_	13.2 2	13.3 1	13.4 1		15 1	16 1	17 1	18 2	19 1	
					()) (/								$\sqrt{}$		16 (18) (13) (13.4) (13.4) (13.4)

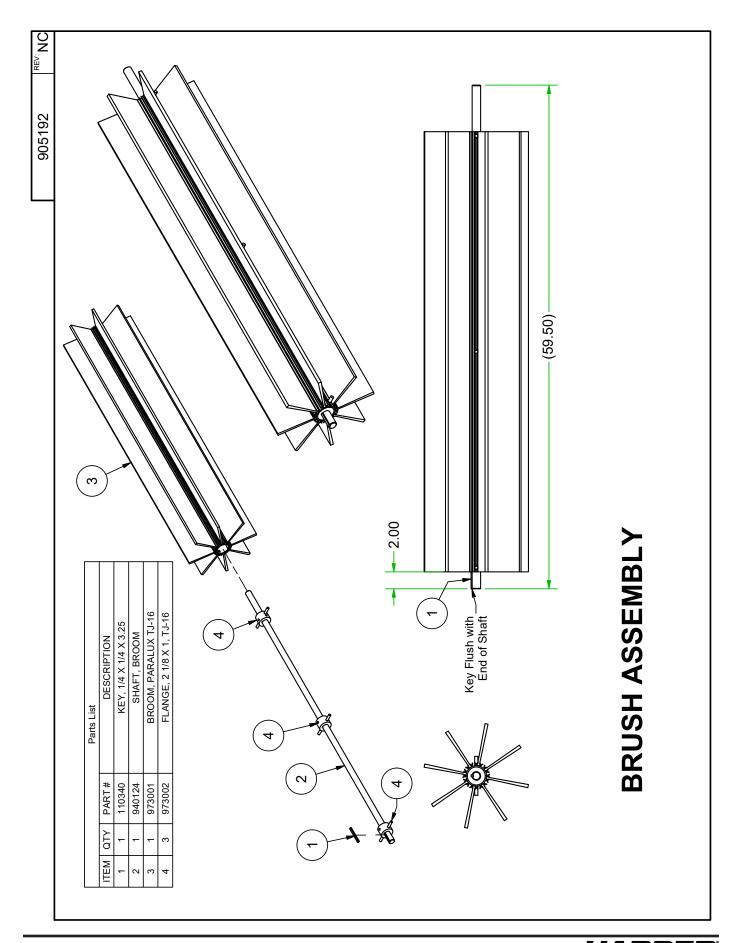
		Parts List	905200	2
$\subseteq \setminus $	Y PART # 100361	DESCRIPTION CLAMP, HOSE #4 .25 MINI		
4	100644	HOSE, 1/4, LOW PERM		
3.75	4	HOSE, 3/16 LOW PERM		
4	+	POP RIVET, 1/8		
0 0	110168	BOLT, 5/16-18 X 2.0 SHCS		
۸ d		ROLT 1/4-20 X 625 HEX GR 5		
- 2				
9		BOLT, 3/8-16 X 2.0		
4		BOLT, 3/8-16 X 1.25		
-	110443	BOLT, 7/16-20 X 2.75		
7	110527	BOLT, 7/16-14 X 4.0		
7	110528	BOLT, 7/16-14 X 1.0		
4	110606	NUT, 5/16-18 WIZ FLANGE		
4	110630	NUT, 1/4-20 LOCK (NYLON INSERT)		
4	110643	Hex Nut M8 X 1.25		<u> </u>
10	110645	NUT, 3/8-16 WIZ FLANGE		_
3	110671	WASHER, 7/16" LOCK		
9	110676	WASHER, 3/8" FLAT STANDARD		
7	112120	BOLT, M8x1.25 x 90 Gr 8.8		
_	902162	FUEL TANK ASSY, 6 GAL		_
2	902163	STRAP, HOLD DOWN		<u> </u>
~	902164	CARBON CANISTER		
7	902165	CARBON CANISTER BRACKET		
-	902191	DECAL, EMISSIONS COMPLIANCE, TV40		
-	932018	CLUTCH, ELECTRIC		
-	932081	HARNESS, TV40 CARB IDLE CONTROL		
1	943062	Engine, 26.5 hp, Kohler, EFI		
_	952030	Primer Bulb, CARB		
2	970284	SPACER, .75 X .50 X 2.75		
_	970600	SPACER, 1.625 X 1.13		
-	970680	CLUTCH BRACKET		
-	970722	MOUNT, BELT GUARD		
-	970892	BLOCK, PULL BELT TENSIONER		
-	970895	ENGINE MOUNT, TOP PLATE		
ш		ENGINE INSTALLATION,	ON, CARB	
				\neg

905200 REV: NC	-	DESCRIPTION	CLAMP, HOSE #4 .25 MINI	HOSE, 1/4, LOW PERM	HOSE, 3/16 LOW PERM	POP RIVET, 1/8	BOLT, 5/16-18 X 2.0 SHCS	NUT, 7/16-14 LOCK NYLON INSERT	BOLT, 1/4-20 X .625 HEX GR 5	NUT 5/16-18 U-TYPE 75L	BOIT 3/8-16 X 2 0	BOLT 3/8-16 X 1.25	BOLT 7/16-20 X 2 75	BOLT, 7/16-14 X 4.0	BOLT, 7/16-14 X 1.0	NUT, 5/16-18 WIZ FLANGE	NUT, 1/4-20 LOCK (NYLON INSERT)	Hex Nut M8 X 1.25	NUT, 3/8-16 WIZ FLANGE	WASHER, 7/16" LOCK	WASHER, 3/8" FLAT STANDARD	BOLT, M8x1.25 x 90 Gr 8.8	FUEL TANK ASSY, 6 GAL	STRAP, HOLD DOWN	CARBON CANISTER	CARBON CANISTER BRACKET	CLUTCH, ELECTRIC	Engine, 26.5 hp, Kohler, EFI	Primer Bulb, CARB	SPACER, .75 X .50 X 2.75	SPACER, 1.625 X 1.13	CLUTCH BRACKET	MOLINT BELT GLIABD	100111, DEE1 00/110	BLOCK, PULL BELT TENSIONER	LOCK, PULL BELT TENSIONER ENGINE MOUNT, TOP PLATE	K, PULL BELT TENSIONER	K, PULL BELT TENSIONER	K, PULL BELT TENSIONER	K, PULL BELT TENSIONER	K, PULL BELT TENSIONER	K, PULL BELT TENSIONER	K, PULL BELT TENSIONER	K, PULL BELT TENSIONER	K, PULL BELT TENSIONER	K, PULL BELT TENSIONER	K, PULL BELT TENSIONER
	Parts List	PART#					110168 BC	110219 NUT, 7/	110299 BOL			110425	110443	110527	110528	110606 NL	110630 NUT, 1/	110643	110645 NI		110676 WASH		902162 FU	902163	902164	902165 CARE	932018	943062 En	952030	970284 SF	970600																
		ITEM QTY P	7		3.75'	4	2 1	2	4				-	2	13 2 1	14 4	15 4 1	16 4 1	17 10 1		19 10 1	2	21 1 9	2	23 1 9	24 2 9	1	28 1 9	29 1 9	30 2 9	31 1 9	1	-	34 1 9		35 1 9	-	-	-	7-	-	-	-	-	-	-	-
		(11)			\ \(\frac{34}{\chi}\)\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	(1b) (1b) (1c) (1c) (1c) (1c) (1c) (1c) (1c) (1c				HOSE LENGTH-15"		$\begin{pmatrix} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \\ 1 & 1 &$		(33) HOSE LENGTH: 19.5"							HOSE LENGTH: 13.5° HOSE LENGTH: 13.7°		(12)					$\begin{array}{c} (18) \\ (10) \\ (1$			(11) (32) (14) (32))) (97)	ASSEMBLE WITH GREEN LOCATION FOR THE PRIOR TO SIN 12401)		VGINE SERVICE PARTS	NGINE SERVICE PARTS DESCRIPTION	VGINE SERVICE PARTS DESCRIPTION FILTER ELEMENT, AIR	NGINE SERVICE PARTS DESCRIPTION FILTER ELEMENT, AIR KIT, SOLENOID	VGINE SERVICE PARTS DESCRIPTION FILTER ELEMENT, AIR KIT, SOLENOID SOLENOID	AGINE SERVICE PARTS DESCRIPTION FILTER ELEMENT, AIR KIT, SOLENOID SOLENOID SWITCH, IGNITION	AGINE SERVICE PARTS DESCRIPTION FILTER ELEMENT, AIR KIT, SOLENOID SOLENOID SWITCH, IGNITION DELFECTOR, EXHAUST	AGINE SERVICE PARTS DESCRIPTION FILTER ELEMENT, AIR KIT, SOLENOID SOLENOID SWITCH, IGNITION DELFECTOR, EXHAUST GUARD ASSY, MUFFLER	AGINE SERVICE PARTS DESCRIPTION FILTER ELEMENT, AIR KIT, SOLENOID SOLENOID SWITCH, IGNITION DELFECTOR, EXHAUST GUARD ASSY, MUFFLER KIT, MUFFLER	AGINE SERVICE PARTS DESCRIPTION FILTER ELEMENT, AIR KIT, SOLENOID SOLENOID SWITCH, IGNITION DELFECTOR, EXHAUST GUARD ASSY, MUFFLER KIT, MUFFLER	VGINE SERVICE PARTS DESCRIPTION FILTER ELEMENT, AIR KIT, SOLENOID SOLENOID SWITCH, IGNITION DELFECTOR, EXHAUST GUARD ASSY, MUFFLER KIT, MUFFLER FILTER. FUEL



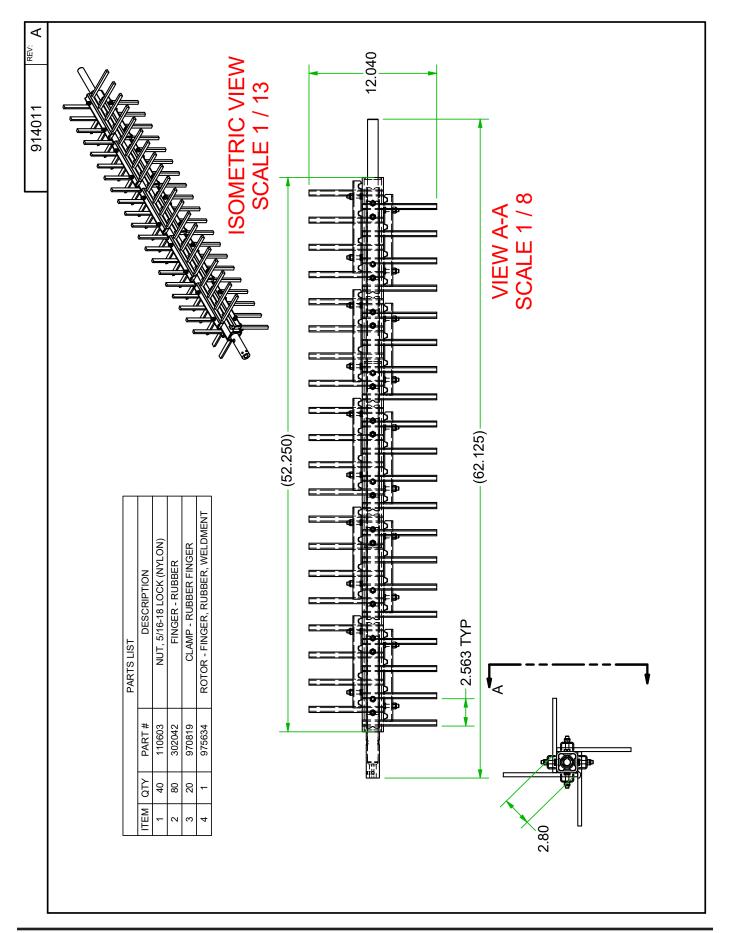




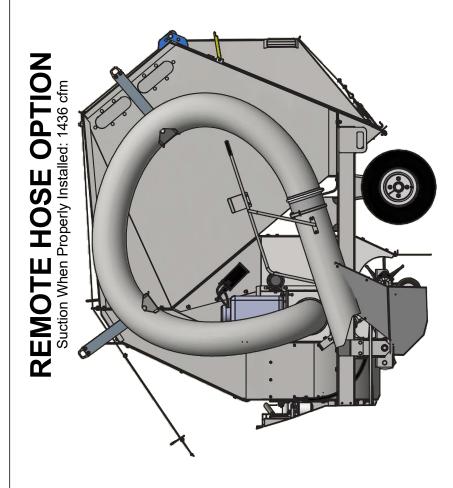


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			LINEGOO			N _	((23)	3)	<u> </u>	7				 }	/	/ 		
						(2) (6)		/	,		No.			(!	100 LESCRIPTION NUT, 5/16-18 LOCK (NYLON) FINGER - RUBBER CLAMP - RUBBER FINGER CLAMP - RUBBER, WELDMENT ROTOR - FINGER, RUBBER, WELDMENT	
			AFT.							0						\ ====================================		914011 - PARTS LIST DESCR NUT, 5/16-181 FINGER - CLAMP - RUE ROTOR - FINGER, R	
		PTION	RIVE 1.25 SH	16-18 X 0.5	g, TV40 Arm	R FINGER, TV	, ROTOR DRI	3OLT FLANGE	OR SPACER	ROTOR, TV4	(ď			;			8 PART # 110603 302042 970819 975634	
	PARTS LIST	DESCRIPTION	BEARING, SLAT DRIVE 1.25 SHAFT	SetScrew, 5/16-18 X 0.5	Shield, Bearing, TV40 Arm	ROTOR - RUBBER FINGER, TV40	MOTOR - 1.29 CID, ROTOR DRIVE	BEARING, 1" 2 BOLT FLANGE	BROOM MOTOR SPACER	ARM - TORQUE, ROTOR, TV40								TEM QTY TEM QTY 4	
	PART																		
				\dashv	911078	914011	923009	942080	970230	970821									
		ITEM QTY		17 2	18	19	20	21	22	23 1									
			X .625 ID						SERT		DARD			DARD		JARD			
		DESCRIPTION	GROMMET, RUBBER .875 OD X .625 ID	BOLT, 1/4-28 X .625	BOLT, 1/2-13 X 1.75	BOLT, 3/8-16 X 1.5	BOLT, 7/16-14 X 1.5	NUT, 1/2-13	NUT, 3/8-16 LOCK NYLON INSERT	NUT, 7/16-14	WASHER, 1/2" FLAT STANDARD	WASHER, 1/2" LOCK	1/4" LOCK	WASHER, 7/16" FLAT STANDARD	WASHER, 7/16" LOCK	WASHER, 3/8" FLAT STANDARD	ADAPTER, 6MJ-6MB		
	LIST	DESCR	ET, RUBBE	BOLT, 1/4	BOLT, 1/2	BOLT, 3/8	BOLT, 7/1	NOT,	3/8-16 LOC	NUT, 7	HER, 1/2" F	WASHER,	WASHER, 1/4" LOCK	IER, 7/16" F	WASHER,	1ER, 3/8" F	ADAPTER	27 (27 (27 (27 (27 (27 (27 (27 (27 (27 (
	PARTS LIST		GROMMI						NUT, 3		WAS			WASH		WAS		ECTION	
		PART#	102005	110415	110419	110435	110535	110610	110618	110641	110658	110666	110667	110670	110671	110676	120319	ROTOR DIRECTION	
		ΔT	-	2	7	-	2	2	-	2	2	2	2	2	2	2	2	α	
		ITEM	-	7	က	4	2	9	7	8	6	10	1	12	13	14	15		

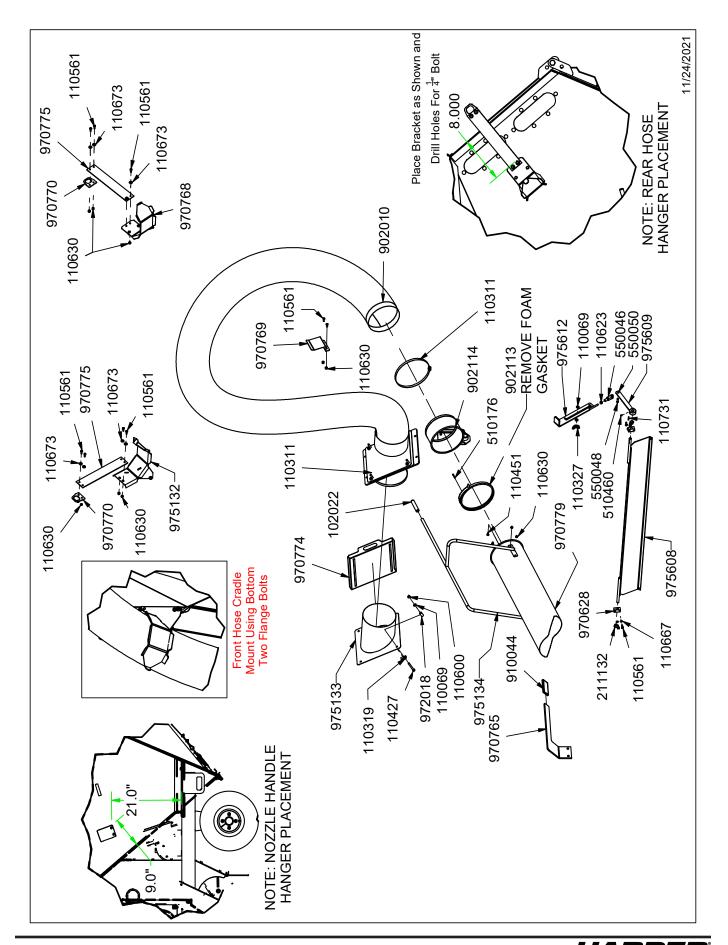


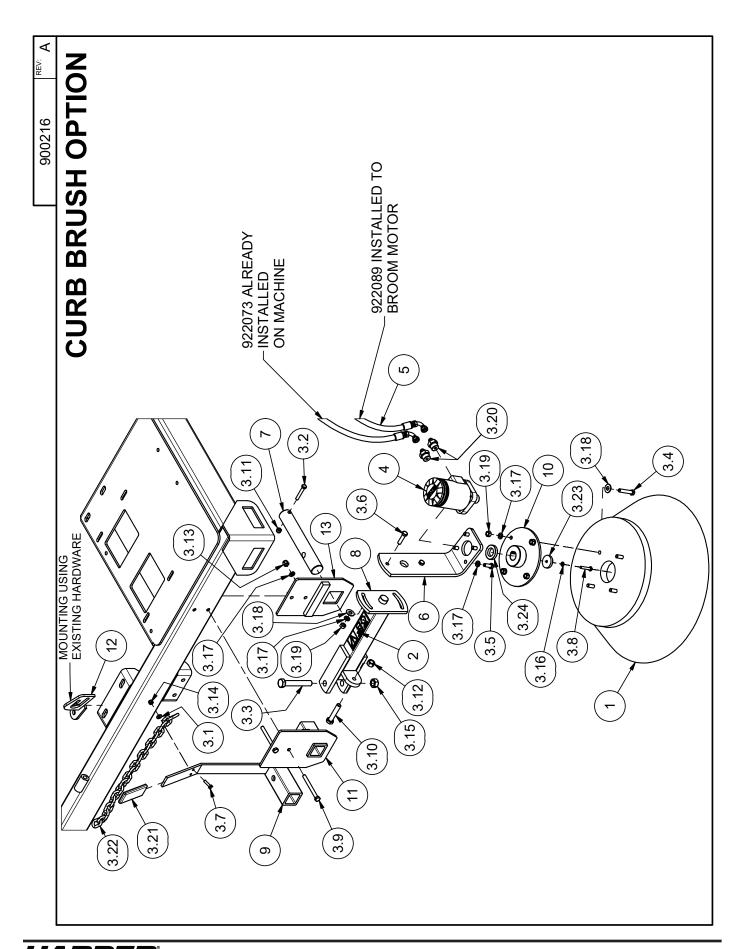


		PARTS LIST
Part Number	Qty	Descrip
102022	1	COVER, VINYL 5/8" X 4 3/4"
110069	9	WASHER, 5/16" FLAT SAE
110311	2	CLAMP, HOSE #912 8.00"
110319	1	NUT, 5/16-18, U-TYPE
110327	5	NUT, 5/16 WING
110427	4	M
110437	1	BOLT, 3/8-16 .75 WIZ FLNG ZINC
110451	4	BOLT, 1/4-20 X .5, MACHINE HEAD
110539	2	BOLT, 7/16-14 X 1.25
110561	16	X .75 HF
110561	9	BOLT, 1/4-20 X.75
110623	1	NUT, 5/16-24
110630	16	NUT, 1/4-20, LOCK NYLON
110645	9	NUT, 3/8-16, WIZ FLNG
110667	4	WASHER, 1/4 LOCK
110673	8	WASHER, 1/4" FLAT STANDARD
110731	1	KEY, 1/8 X 1/8 X 1
211132	2	BUSHING, .625 X .5
510176	1	
510460	-	
550046	_	
550048	-	- 1
550050	_	COTTER PIN, 3/32 X 1
902010	-	SE, 8 IN
902113	_	CLAMP, NOZZLE SWIVEL
902114	1	ADAPTOR, HOSE SWIVEL
910044	1	COVER, VINYL .25 X 1.5 X 4 GRIP
970628	2	
970765	_	BRACKET, NOZZLE SUPPORT
92026	-	CRADLE, REAR HOSE
692026	_	HANGER, NOZZLE HANDLE
970770	2	RING, HOSE HANGER
970774	_	SLIDE, HOSE OPTION
970775	2	HANGER STRAP
97079	_	NOZZLE TUBE
972018	4	SPRING, COMPRESSION
975132	-	FRONT HOSE CRADLE WELDMENT
975133	-	SIDE HOSE ADAPTER WELDMENT
975134	-	NOZZLE HANDLE WELDMENT
975608	-	FLAP WELDMENT
975609	-	FLAP ARM WELDMENT
975612	-	FLAP HANDLE WELDMENT









TEM QTY PA PA PA PA PA PA PA P	902112 902126 902236 905079 110298 110378 110420 110420 110444 110445 110603 110618 110618 110618 110639 110639	DESCRIPTION BRUSH, 18" x 6" x 40 DEG Decal, Curb Brush Warning KIT, SM PARTS TV40 FENCE BRUSH WASHER, 1/4" FLAT SAE BOLT, 5/16-18 X.2.0 BOLT, 5/8-11 X.4.0 BOLT, 3/8-16 X 1.0 BOLT, 3/8-16 X 1.0 BOLT, 1/4-20 X 1.0 BOLT, 1/4-20 X 1.0 BOLT, 1/2-13 X 2.5 TAP NUT, 5/16-18 LOCK (NYLON) NUT, 3/8-16 LOCK (NYLON) INJERT NUT, 1/2-13 X 2.5 TAP NUT, 5/16-18 LOCK (NYLON) INJERT NUT, 3/8-16 LOCK (NYLON INSERT) NUT, 1/4-20 LOCK (NYLON INSERT) NUT, 5/8-11, UNITORQUE LOCK	X 9 1 8 6 0 1 2 8 4	D C C C C C C C C C C C C C C C C C C C	PART#	DESCRIPTION
3.1 1 3.1 1 3.2 1 1 3.1 1 1 3.1 1 1 1 1 1 1 1 1 1 1 1 1	902112 902236 905079 110298 110378 110420 110435 11044 110453 110610 110610 110610 110639	BRUSH, 18" x 6" x 40 DEG Decal, Curb Brush Warning KIT, SM PARTS TV40 FENCE BRUSH WASHER, 14" FLAT SAE BOLT, 5/16-18 X 2.0 BOLT, 5/16-18 X 2.0 BOLT, 5/8-11 X 4.0 BOLT, 3/8-16 X 1.0 BOLT, 3/8-16 X 1.0 BOLT, 3/8-16 X 1.0 BOLT, 1/4-20 X 1.1/2 BOLT, 1/4-20 X 1-1/2 BOLT, 1/2-13 X 2.5 TAP NUT, 5/16-18 LOCK (NYLON) NUT, 5/16-18 LOCK (NYLON) NUT, 5/16-18 LOCK (NYLON) NUT, 5/8-11, UNITORQUE LOCK		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	440887	
3.1 1 3.2 1 3.3 1 1 3.4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	902236 905079 110298 110378 110385 110400 11044 110474 110495 110603 110610 110618 110639 110639	Decal, Curb Brush Waming KIT, SM PARTS TV40 FENCE BRUSH WASHER, 1/4" FLAT SAE BOLT, 5/16-18 X.2.0 BOLT, 5/16-18 X.2.0 BOLT, 3/8-16 X.2.0 BOLT, 3/8-16 X.1.0 BOLT, 3/8-16 X.1.5 BOLT, 1/4-20 X.1.0 BOLT, 1/2-13 X.2.5 TAP NUT, 5/16-18 LOCK (NYLON) NUT, 5/16-18 LOCK (NYLON) INJERT NUT, 1/2-13 NUT, 1/2-13 LOCK (NYLON INSERT) NUT, 1/4-20 LOCK (NYLON INSERT) NUT, 5/8-11, UNITORQUE LOCK		7 0 0 0 7	10001	WASHER, 1/4" LOCK
3.2 1 3.2 1 3.2 1 3.4 4 3.5 4 3.5 4 3.6 2 3.6 2 3.7 1 3.10 1 3.11 1 3.12 1 3.14 1 3.15 1 3.15 1 3.15 1 3.15 1 3.16 1 3.16 1 3.16 1 3.16 1 3.17	905079 110298 110378 110385 110400 110420 110435 110435 110613 110613 110618 110639 110639 110639	KIT, SM PARTS TV40 FENCE BRUSH WASHER, 1/4" FLAT SAE BOLT, 5/16-18 X 2.0 BOLT, 5/16-18 X 2.0 BOLT, 3/8-16 X 2.0 BOLT, 3/8-16 X 1.0 BOLT, 3/8-16 X 1.5 BOLT, 1/4-20 X 1.0 BOLT, 1/4-20 X 1-1/2 BOLT, 1/4-20 X 1-1/2 BOLT, 1/4-20 X 1-1/2 BOLT, 1/2-13 X 2.5 TAP NUT, 5/16-18 LOCK (NYLON) NUT, 5/16-18 LOCK (NYLON INSERT) NUT, 1/2-13 NUT, 1/2-13 NUT, 1/2-10 COCK (NYLON INSERT) NUT, 5/8-11, UNITORQUE LOCK	3.18 3.20 3.21 3.22 3.23 3.24 4 4	7 7 7 7 0 0 0	110672	WASHER, 3/8" LOCK
3.1 1 3.1 1 3.4 4 4 3.6 2 2 3.7 1 1 3.10 1 1 3.10 1 1 1 3.10 1 3.10 1 3.10 1 1 3.10 1 1 3.10 1 1 3.10 1 3	110298 110378 110385 110400 110420 11044 11044 110495 110633 110610 110618 110639 110639 110639	WASHER, 1/4" FLAT SAE BOLT, 5/16-18 X 2.0 BOLT, 5/8-11 X 4.0 BOLT, 3/8-16 X 2.0 BOLT, 3/8-16 X 1.0 BOLT, 3/8-16 X 1.0 BOLT, 1/4-20 X 1.0 BOLT, 1/4-20 X 1-1/2 BOLT, 1/2-13 X 2.5 TAP NUT, 5/16-18 LOCK (NYLON) NUT, 5/16-18 LOCK (NYLON INSERT) NUT, 1/8-20 LOCK (NYLON INSERT) NUT, 5/8-11, UNITORQUE LOCK	3.19 3.20 3.21 3.23 3.24 4 4	7 - 7 - 7	110676	WASHER, 3/8" FLAT STANDARD
3.2 1 3.3 1 3.4 4 3.5 4 3.6 2 3.7 1 3.8 1 3.10 1 3.10 1 3.12 1 3.13 2 3.13 2 3.14 1 3.15 1 3.15 1 3.15 1 3.15 1 3.15 1 3.15 1	110378 110385 110400 110420 110464 110474 110465 110603 110603 110610 110630 110630 110630 110630	BOLT, 5/16-18 X 2.0 BOLT, 5/8-11 X 4.0 BOLT, 3/8-16 X 2.0 BOLT, 3/8-16 X 1.0 BOLT, 3/8-16 X 1.5 BOLT, 1/4-20 X 1-1/2 BOLT, 1/4-20 X 1-1/2 BOLT, 1/2-13 X 2.5 TAP NUT, 5/16-18 LOCK (NYLON) NUT, 3/8-16 LOCK NYLON) NUT, 3/8-16 LOCK NYLON INSERT NUT, 1/8-20 LOCK (NYLON INSERT) NUT, 5/8-11, UNITORQUE LOCK	3.20 3.21 3.22 3.23 4 4 4	0 7	110826	NUT, 3/8-16 GR 5
3.3 1 3.4 4 3.6 2 3.6 2 3.7 1 3.8 1 3.10 1 3.10 1 3.11 1 3.12 1 3.13 2 3.13 2 3.14 1 3.15 1 3.15 1	110385 110400 110420 110464 110474 110495 110603 110610 110610 110630 110630 110630 110630	BOLT, 5/8-11 X 4.0 BOLT, 3/8-16 X 2.0 BOLT, 3/8-16 X 1.0 BOLT, 3/8-16 X 1.5 BOLT, 1/4-20 X 1.0 BOLT, 1/4-20 X 1-1/2 BOLT, 1/2-13 X 2.5 TAP NUT, 5/16-18 LOCK (NYLON) NUT, 3/8-16 LOCK NYLON) NUT, 3/8-16 LOCK NYLON INSERT NUT, 3/8-16 LOCK (NYLON INSERT) NUT, 5/8-11, UNITORQUE LOCK	3.21 3.22 3.23 3.24 4 4		120144	ADAPTER, 6MJ-10MB
3.4 4 4 3.5 4 3.6 2 3.7 1 3.8 1 1 3.10 1 1 3.10 1 1 3.10 1 1 3.10 1 1 3.10 1 1 3.13 2 3.13 2 3.13 2 3.15 1 1 3.15 1 3.15 1 3.15 1 1 3.15 1 3.15 1 1 3.15 1	110400 110420 110464 110474 110465 110653 110603 110610 110630 110630 110630 110630	BOLT, 3/8-16 X 2.0 BOLT, 3/8-16 X 1.0 BOLT, 3/8-16 X 1.5 BOLT, 1/4-20 X 1.0 BOLT, 1/4-20 X 1-1/2 BOLT, 1/2-13 X 2.5 TAP NUT, 5/16-18 LOCK (NYLON) NUT, 3/8-16 LOCK NYLON INSERT NUT, 1/8-20 LOCK (NYLON INSERT) NUT, 1/8-20 LOCK (NYLON INSERT) NUT, 5/8-11, UNITORQUE LOCK	3.23 3.23 3.24 4 4 5		910044	COVER, VINYL .25 X 1.5 X 4 GRIP
3.5 4 3.6 2 3.7 1 3.8 1 3.10 1 3.11 1 3.12 1 3.13 2 3.14 1 3.15 1 3.15 1	110420 110435 110464 110474 110633 110610 110618 110630 110630 110639	BOLT, 3/8-16 X 1.0 BOLT, 3/8-16 X 1.5 BOLT, 1/4-20 X 1.0 BOLT, 1/4-20 X 1-1/2 BOLT, 3/8-16 X 3.75 BOLT, 3/8-16 X 3.75 BOLT, 1/2-13 X 2.5 TAP NUT, 5/16-18 LOCK (NYLON) NUT, 3/8-16 LOCK NYLON INSERT NUT, 3/8-16 LOCK (NYLON INSERT) NUT, 1/8-20 LOCK (NYLON INSERT) NUT, 5/8-11, UNITORQUE LOCK	3.23		970304	PUMP STOP CHAIN
3.6 2 3.7 1 3.8 1 3.9 2 3.10 1 3.11 1 3.12 1 3.13 2 3.14 1 3.15 1 3.15 1	110435 110464 110474 110495 110603 110618 110618 110630 110639 110639	BOLT, 3/8-16 X 1.5 BOLT, 1/4-20 X 1.0 BOLT, 1/4-20 X 1-1/2 BOLT, 3/8-16 X 3.75 BOLT, 1/2-13 X 2.5 TAP NUT, 5/16-18 LOCK (NYLON) NUT, 3/8-16 LOCK NYLON INSERT NUT, 3/8-16 LOCK NYLON INSERT NUT, 1/4-20 LOCK (NYLON INSERT) NUT, 5/8-11, UNITORQUE LOCK	3.24	-	970763	WASHER, 1.50 X .320
3.7 1 3.8 1 3.9 2 3.10 1 3.11 1 3.13 2 3.14 1 3.15 1 3.15 1	110464 110474 110495 110603 110610 110618 110630 110639 110639	BOLT, 1/4-20 X 1.0 BOLT, 1/4-20 X 1-1/2 BOLT, 3/8-16 X 3.75 BOLT, 1/2-13 X 2.5 TAP NUT, 5/16-18 LOCK (NYLON) NUT, 3/8-16 LOCK NYLON INSERT NUT, 3/8-16 LOCK (NYLON INSERT) NUT, 1/4-20 LOCK (NYLON INSERT) NUT, 5/8-11, UNITORQUE LOCK	4 3	_ _	970764	SPACER, 1.700 X 1.005 X .320
3.8 1 3.9 2 3.10 1 3.12 1 3.13 2 3.14 1 3.15 1 3.15 1	110474 110495 110663 110610 110618 110630 110639 110639	BOLT, 1/4-20 X 1-1/2 BOLT, 3/8-16 X 3.75 BOLT, 1/2-13 X 2.5 TAP NUT, 5/16-18 LOCK (NYLON) NUT, 1/2-13 NUT, 3/8-16 LOCK NYLON INSERT NUT, 1/4-20 LOCK (NYLON INSERT) NUT, 5/8-11, UNITORQUE LOCK	2	-	922004	MOTOR, EATON 101-1009
3.9 2 3.10 1 3.11 1 3.12 1 3.14 1 3.15 1 3.15 1 3.15 1	110663 110610 110610 110618 110630 110639 STALLATION	BOLT, 3/8-16 X 3.75 BOLT, 1/2-13 X 2.5 TAP NUT, 5/16-18 LOCK (NYLON) NUT, 1/2-13 NUT, 3/8-16 LOCK NYLON INSERT NUT, 1/4-20 LOCK (NYLON INSERT) NUT, 5/8-11, UNITORQUE LOCK	ļ	-	922089	Hose .375 X 96 6fjx90m
3.10 1 3.12 1 3.12 1 3.14 1 3.15 1 8.0SH HANGER IN	110603 110610 110610 110630 110639 110639	BOLT, 1/2-13 X 2.5 TAP NUT, 5/16-18 LOCK (NYLON) NUT, 1/2-13 NUT, 3/8-16 LOCK NYLON INSERT NUT, 1/4-20 LOCK (NYLON INSERT) NUT, 5/8-11, UNITORQUE LOCK	9	-	970748	ARM, BRUSH MOTOR MOUNT
3.12 1 3.12 1 3.14 1 3.15 1 3.15 1 3.15 1	110603 110610 110630 110639 110639 STALLATION	NUT, 5/16-18 LOCK (NYLON) NUT, 1/2-13 NUT, 3/8-16 LOCK NYLON INSERT NUT, 1/4-20 LOCK (NYLON INSERT) NUT, 5/8-11, UNITORQUE LOCK	7	-	970759	SHAFT, LIFT PIVOT
3.12 1 3.13 2 3.14 1 3.15 1	110610 110618 110630 110639 STALLATION	NUT, 3/8-16 LOCK NYLON INSERT NUT, 1/4-20 LOCK (NYLON INSERT) NUT, 5/8-11, UNITORQUE LOCK	8	-	975125	LIFT TUBE WELDMENT
3.13 2 3.14 1 3.15 1	110638 110639 110639 STALLATION	NUT, 3/8-16 LOCK NYLON INSERT NUT, 1/4-20 LOCK (NYLON INSERT) NUT, 5/8-11, UNITORQUE LOCK	6	-	975127	LIFT LEVER WELDMENT
3.15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	110639 110639 STALLATION	NUT, 1/4-20 LOCK (NYLON INSERT) NUT, 5/8-11, UNITORQUE LOCK	9	-	975128	BRUSH ADAPTOR WELDMENT
3.15 1	STALLATION	NUT, 5/8-11, UNITORQUE LOCK	7	-	975129	OUTER LIFT HANGER WELDMENT
RUSH HANGER IN	STALLATION		12	-	975130	LIFT LATCH WELDMENT
RUSH HANGER IN	STALLATION		13	-	975131	INNER LIFT HANGER WELDMENT
(DRILL FROM BOTH SIDES 3/8")			S	P	R BR	CURB BRUSH OPTION
ci —	.25	0				
	9.25	FRONT OF MACHINE THIS SIDE	MACHI	Ш Z		

NOTES

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