

WINGET

PARTS & OPERATORS HANDBOOK

POWER TROWEL MODEL F24



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SAFETY INFORMATION

Introduction



This Safety Alert Symbol is used to call attention to items or operations which may be dangerous to those operating or working with this equipment. The symbol can be found throughout this manual and on the unit. Please read these warnings and cautions, along with all decals, carefully before attempting to operate the unit. Make sure every individual who operates or works with this equipment is familiar with all safety precautions.

WARNING

GENERAL WARNING. Indicates information important to the proper operation of the equipment. Failure to observe may result in damage to the equipment and/or severe bodily injury or death.

CAUTION

GENERAL CAUTION. Indicates information important to the proper operation of the equipment. Failure to observe may result in damage to the equipment.

Safety Precautions



LETHAL EXHAUST GAS: An internal combustion engine discharges carbon monoxide, a poisonous, odorless, invisible gas. Death or serious illness may result if inhaled. Operate only in an area with proper ventilation. **NEVER OPERATE IN A CONFINED AREA!**



DANGEROUS FUELS: Use extreme caution when storing, handling and using fuels, as they are highly volatile and explosive in vapor state. Do not add fuel while engine is running. Stop and cool the engine before adding fuel. **DO NOT SMOKE!**



SAFETY GUARDS: It is the owner's responsibility to ensure that all guards and shields are in place and in working order.



IGNITION SYSTEMS: Breakerless, magneto, and battery ignition systems can cause severe electrical shocks. Avoid contacting these units or their wiring.



SAFE DRESS: Do not wear loose clothing, rings, wristwatches, etc. near machinery.



NOISE PROTECTION: Wear ear defenders or other suitable hearing protection devices.



EYE PROTECTION: Wear safety glasses or goggles, face shields and sweat bands.



HEAD PROTECTION: Wear safety helmets as necessary.



DUST PROTECTION: Wear a suitable dust mask or respirator and suitable safety gloves.



OPERATOR: Keep away from children and pedestrians and away from other equipment.

REFERENCES: For details on safety rules and regulations contact your local Health & Safety Office.

Always operate equipment in accordance with any local regulations governing the use of this equipment.

If you are operating Winget equipment it is your responsibility to insure that any operation is in full accordance with all applicable safety requirements, codes and legislation.

Waste Oils and Fuels can cause environmental damage. Always dispose of waste oil or fuel into oil storage tanks. If suitable tanks are not available contact your distributor or local civil authority for the address of designated disposal points. It is usually illegal to dispose of waste oils or fuels into drains, or water courses. or to bury it.

Safety Decals

Carefully read and follow all safety decals. Keep them in good condition. If decals become damaged, replace as required. If repainting the unit, replace all decals. Decals are available from authorized Winget distributors.

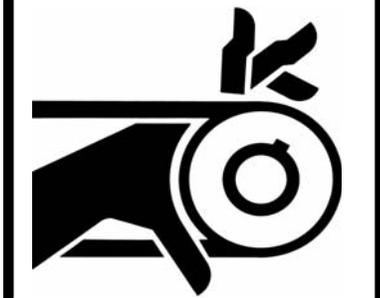


WARNING

**Start engine at idle only!
NEVER place foot on guard ring.**

16267

WARNING

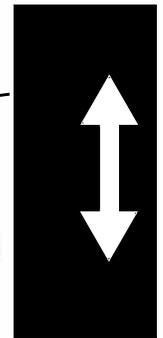


**ROTATING PARTS
can crush and cut.
Keep hands away!**

12573

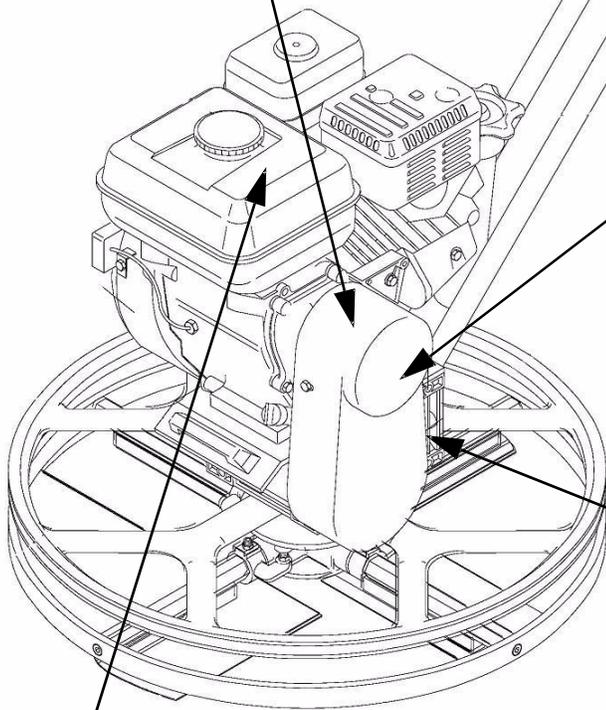
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WINGET



CAUTION



Read the Operating Instructions before operating this piece of equipment.



Keep unauthorized and untrained people away from this equipment.



ROTATING & MOVING PARTS! Make sure all guards and safety devices are in place.



Wear approved hearing protection, foot protection, eye protection and head protection.



SHUT OFF the motor before servicing or cleaning.



DO NOT RUN in an enclosed area. The engine produces carbon monoxide, a **POISONOUS GAS**.

Failure to comply could result in serious bodily injury.

13483

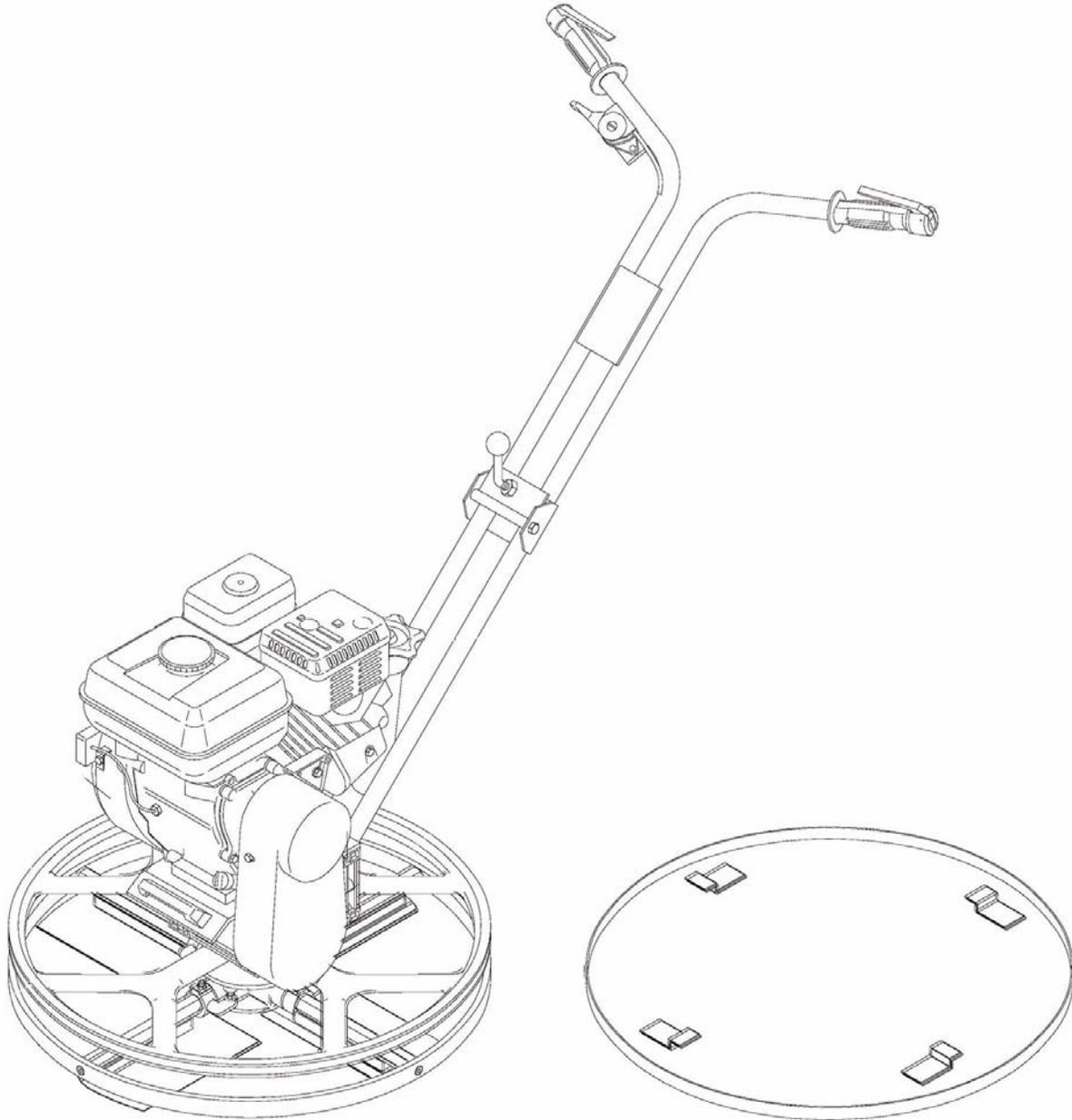


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Safety Decals (Decal Set 16268)

13483

SPECIFICATIONS



	F24/4
Ring Size	24" (61cm)
Engine	Honda GX120 4hp (3kw)
Engine Speed	3400 rpm
Trowel Speed	50-135 rpm
Weight	125 lbs (57kg)
Noise Level	85-105 dBA

Specifications subject to change without notice

OPERATION

Introduction

Winget equipment is intended for use in very severe applications. They are powered by four stroke engines and are available in different sizes and a selection of engines.

This parts manual contains only standard parts. Variations of these parts as well as other special parts are not included. Contact your local Winget distributor for assistance in identifying parts not included in this manual.

Before Starting & Operating

- **REMEMBER!** It is the owner's responsibility to communicate information on the safe use and proper operation of this unit to the operators.
- Review ALL of the Safety Precautions listed on page 1 of this manual.
- Familiarize yourself with the operation of the machine and confirm that all controls function properly.
- Know how to STOP the machine in case of an emergency.
- Make sure hands, feet, and clothing are at a safe distance from any moving parts.
- **NEW TROWELS** - After assembling the handle, inspect the throttle connections and confirm the remote throttle is actuating the engine throttle properly and all controls function properly.
- **FUEL SUPPLY** - The engines on Winget Power Trowels require a clean supply of a good grade of unleaded petrol. See the engine owner's manual for specific details.
- **ENGINE OIL** - Check the oil level in the engine. Refer to the Lubrication section of the engine owner's manual.
- **AIR CLEANER** - Check to make sure the element is in good condition and properly installed.
- **FUEL FILTER** - Check to make sure the element is in good condition and properly installed. Replace element if it is clogged or damaged.

Starting Engine

1. Open fuel valve.
2. Turn engine switch to "ON".
3. Set throttle to idle.
4. Choke engine if necessary (you may not need to choke a warm engine).

5. Place left hand on the handlebar safety interlock switch and the other on the starter rope. Pull starter rope repeatedly until engine starts.



WARNING



NEVER place foot on or near the guard ring when starting.

6. Move choke lever to open position.
7. Allow engine to warm up for one or two minutes.

Operating

1. Increase throttle to engage the clutch.
2. Set throttle to desired position to achieve the appropriate trowel blade speed.
3. To move forward, push down on the right handle grip and pull up on the left handle grip.
4. To move backward, pull up on the right handle grip and push down on the left handle grip.
5. To move left, pull up on both handle grips.
6. To move right, push down on both handle grips.

Blade Pitch Adjustment

1. To increase the pitch, rotate the tilt knob clockwise.
2. To decrease the pitch, rotate the tilt knob counterclockwise.
3. Blades must be flat when using floating pan.

Stopping Engine

1. Move throttle to idle position.
2. Release the handlebar safety interlock switch.
3. Close the fuel valve.



WARNING



Always stop the engine before:

Adding fuel.

Leaving the equipment unattended for any amount of time.

Before making any repairs or adjustments to the machine.

MAINTENANCE



WARNING



Always exercise the stopping procedure before servicing or lubricating the unit.

After servicing the unit, replace and fasten all guards, shields, and covers to their original positions before resuming operation.



CAUTION



Always verify fluid levels and check for leaks after changing fluids.

Do not drain oil onto ground, into open streams, or down sewage drains.

Maintenance Schedule

MAINTENANCE	10 HOURS OR DAILY	50 HOURS OR WEEKLY	100 HOURS OR MONTHLY	500 HOURS OR YEARLY
Inspect drive belt		X		
Check and tighten all hardware ¹			X	

1. Check all hardware after the first 5 hours of use, then follow the maintenance schedule.

Fluid Levels

SYSTEM	FLUID VOLUME	RECOMMENDED OIL
Engine	Refer to engine operator/owner manual	

Engine Maintenance

Refer to the engine owner's manual for maintenance intervals and procedures.

Engine Oil

Refer to the engine owner's manual for recommended oil change intervals.



WARNING



Never change the oil when engine is hot. Always wear protective gloves when working with engine oil.

To drain the oil place a drain pan underneath the engine and remove the drain plug. After the oil has finished draining, reinstall the plug and clean any spilled oil from the trowel.

Engine Speed

The engine speed is factory preset according to the Specifications section. Do not tamper with the governor settings. The governor establishes safe operating limits. These limits must not be exceeded.

Cleaning

Always clean the trowel thoroughly after each day's operation. Dried concrete buildup can hinder performance and shorten the life of the trowel.

Lifting

The trowel should be lifted by two people. A secondary handle for lifting is provided at the front of the trowel.

Storage

The trowel should be stored with blocks supporting the outer guard ring. Refer to the engine owner's manual for information regarding storage of the engine.

Changing Trowel Blades



WARNING



Trowel blade edges may be sharp when they are worn. Wear protective gloves when handling the blades.

1. Set the trowel on a level surface.
2. Remove the bolts securing the blade to the tilt arm.

3. Lift up on the ring guard and slide the blade out from under the tilt arm.
4. Slide the new blade under the tilt arm.
5. Reinstall the bolts and tighten.
6. Check that the carriage bolts are set properly.

Routine Service Intervals		Each use	After 1.5 months or 50 hrs	Each 3 months or 100 hrs	Each 6 months or 200 hrs	Each 9 months or 300 hrs	Each 12 months or 400 hrs
General Inspection:							
Guards	Check		o	o	o	o	o
Warning stickers	Check		o	o	o	o	o
Test run	Check operation		o	o	o	o	o
Controls:							
Dead-man switch operation	Check	o	o	o	o	o	o
Pitch control assembly	Check	o	o	o	o	o	o
	Lubricate		o	o	o	o	o
Engine:							
Engine oil	Check Level	o	o	o	o	o	o
	Change		o		o		o
Engine oil filter	Replace				o		o
Oil cooler	Clean			o	o	o	o
Cooling Fins	Clean		o	o	o	o	o
Air cleaner	Check - clean	o	o	o	o	o	o
	Replace						o
Air Intake Line	Check				o		
	Replace						2 yrs
Fan Belt	Check tightness				o		o
	Replace						500 hrs
Valve clearance	Check-adjust				o		o
Fuel filter	Check & Clean			o	o	o	o
	Replace				o		o
Fuel Tank	Clean						500 hrs
Engine wiring	Check						o
Drive Train:							
Clutch / Pulley operation	Check	o	o	o	o	o	o
Spider plate assembly	Check	o	o	o	o	o	o
	Lubricate				o		o
V-Belt	Check	o	o	o	o	o	o
Blades	Check	o	o	o	o	o	o
Gearbox:							
Gearbox oil	Check Level				o		o
	Change	o			o		o
Gearbox breathers	Check operation			o	o	o	o

SERVICE

Assembly and disassembly should be performed by a service technician who has been factory trained on this equipment. The unit should be clean and free of debris. Pressure washing before disassembly is recommended.

- Prior to assembly, wash all parts in a suitable cleaner or solvent. Dispose of old solvent responsibly.
- Check moving parts for wear and failure. Refer to the Replacement section in this manual for tolerance and replacement cycles.
- All shafts and housings should be oiled prior to pressing bearings. Also, ensure that the bearings are pressed square and are seated properly.

Torque Chart

SIZE	GRADE 2	GRADE 5	GRADE 8
1/4-20	49 in·lbs	76 in·lbs	9 ft·lbs
1/4-28	56 in·lbs	87 in·lbs	10 ft·lbs
5/16-18	8 ft·lbs	13 ft·lbs	18 ft·lbs
5/16-24	9 ft·lbs	14 ft·lbs	20 ft·lbs
3/8-16	15 ft·lbs	23 ft·lbs	33 ft·lbs
3/8-24	17 ft·lbs	26 ft·lbs	37 ft·lbs

SIZE	GRADE 2	GRADE 5	GRADE 8
7/16-14	24 ft·lbs	37 ft·lbs	52 ft·lbs
7/16-20	27 ft·lbs	41 ft·lbs	58 ft·lbs
1/2-13	37 ft·lbs	57 ft·lbs	80 ft·lbs
1/2-20	41 ft·lbs	64 ft·lbs	90 ft·lbs
9/16-12	53 ft·lbs	82 ft·lbs	115 ft·lbs
5/8-11	73 ft·lbs	112 ft·lbs	159 ft·lbs
5/8-18	83 ft·lbs	112 ft·lbs	180 ft·lbs
3/4-16	144 ft·lbs	200 ft·lbs	315 ft·lbs
1-8	188 ft·lbs	483 ft·lbs	682 ft·lbs
1-14	210 ft·lbs	541 ft·lbs	764 ft·lbs
1-1/2-6	652 ft·lbs	1462 ft·lbs	2371 ft·lbs
M 6	3 ft·lbs	4 ft·lbs	7 ft·lbs
M 8	6 ft·lbs	10 ft·lbs	18 ft·lbs
M 10	10 ft·lbs	20 ft·lbs	30 ft·lbs
CONVERSIONS			
in·lbs x 0.083 = ft·lbs			
ft·lbs x 12 = in·lbs			
ft·lbs x 0.1383 = kg·m			
ft·lbs x 1.3558 = N·m			

Parts Replacement Cycles and Tolerances

Bearings	Replace anytime a bearing is rough, binding, discolored or removed from housing or shaft.
Clutch	Replace clutch if it does not disengage below 1800 rpm.
Engine Components	Refer to your engine manufacturer's Owner's Manual.
Hardware	Replace any worn or damaged hardware as needed. Replacement hardware should be grade 5 and zinc plated unless otherwise specified.
Safety Decals	Replace if they become damaged or illegible.
Seals & Gaskets	Replace if a leak is detected and at every overhaul or teardown.
V-Belts	Replace if cracked, torn, or stretched to the point the belt won't tension properly.
Spider	Replace the spider and trowel arms if more than 3/4" is evident at the end of the arm

REPLACEMENT PARTS

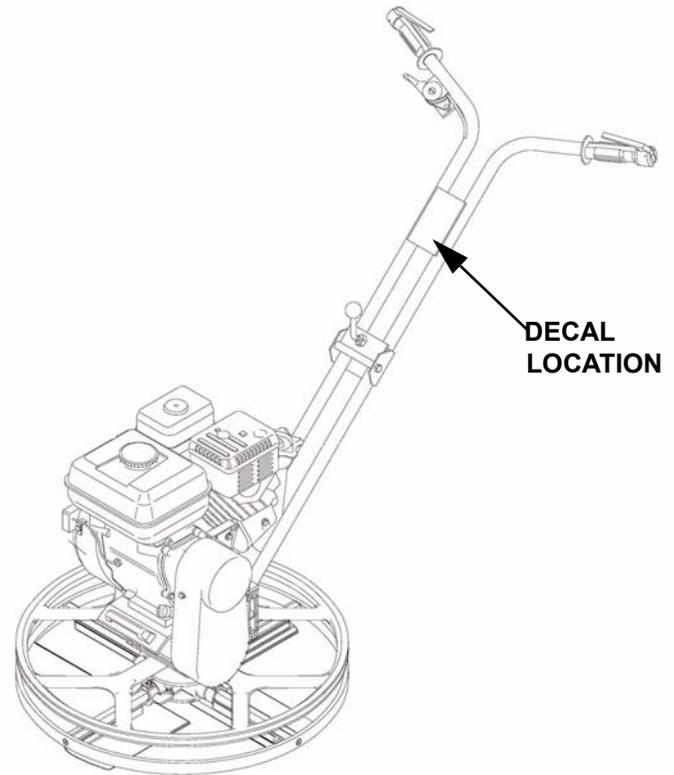
The warranty is stated in this book on page 34. Failure to return the Warranty Registration Card renders the warranty null and void.

Winget has established a network of reputable distributors/dealers with trained mechanics and full facilities for maintenance and rebuilding, and to carry an adequate parts stock in all areas of the country. Their sales engineers are available for professional consultation. If you cannot locate an Winget distributor in your area, contact Winget Limited directly for advice.

When ordering replacement parts, be sure to have the following information available:

- Model and Serial Number of machine when ordering Winget parts
- Model and Serial Number of engine when ordering engine parts
- Part Number, Description, and Quantity
- Company Name, Address, post Code, and Purchase Order Number, suitable method of payment.
- Preferred method of shipping

REMEMBER - You own the best! If repairs are needed, use only Winget parts purchased from authorised Winget distributors.



The unit's serial number can be found in the following location:

- Serial number decal is located on the upper portion of the handle.

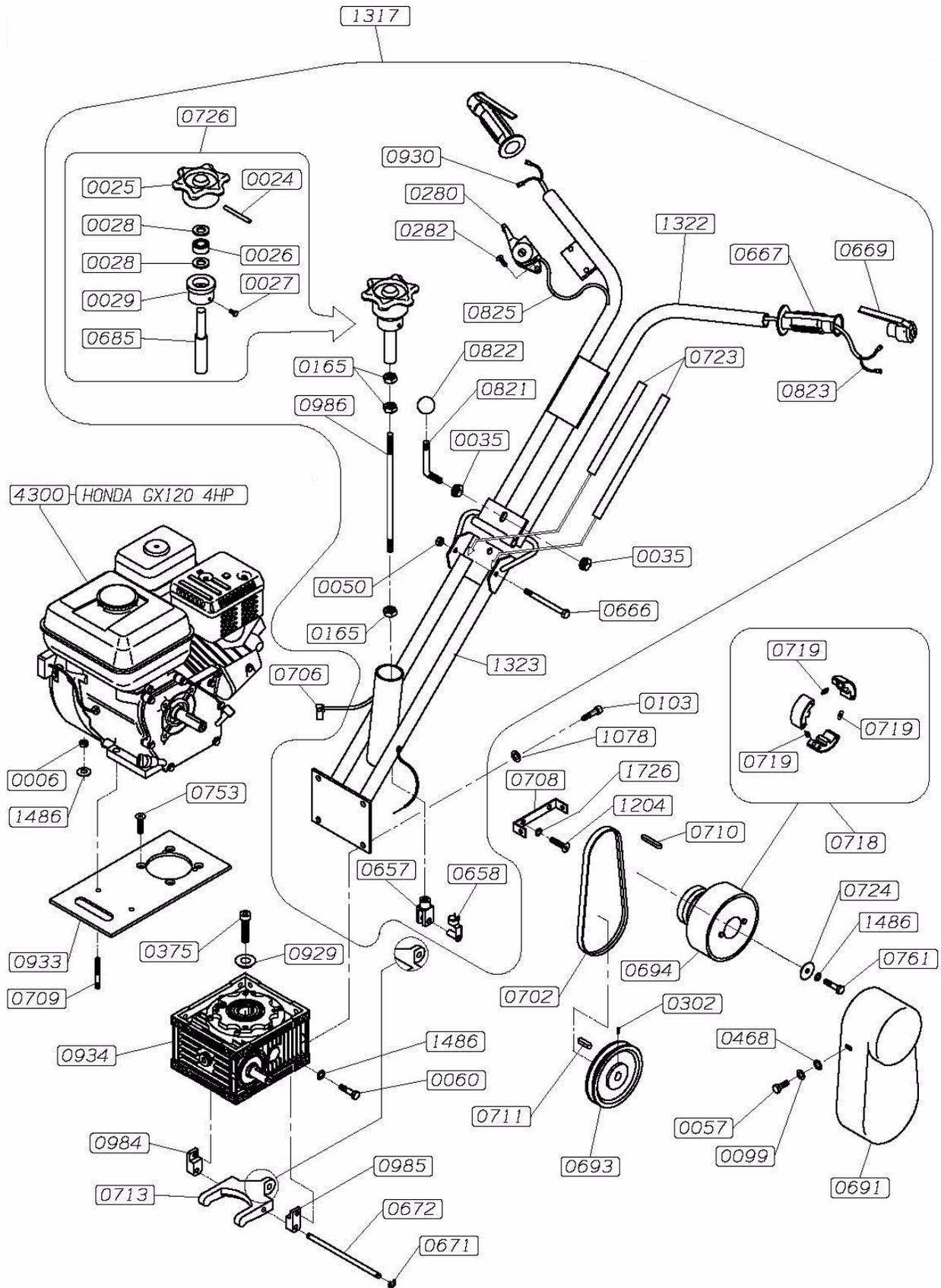
Write Model Number here

Write Serial Number here

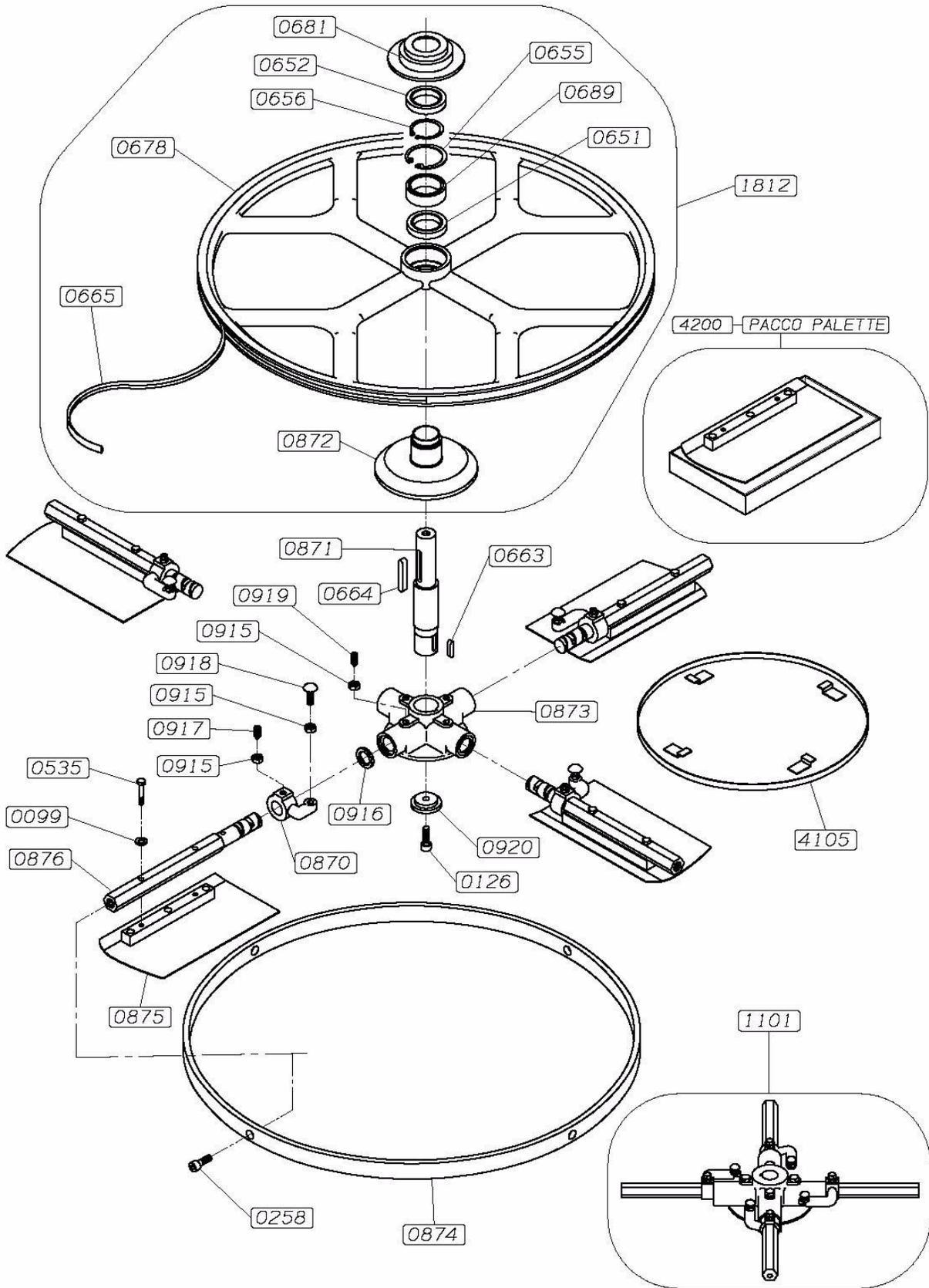
Contact Information

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Email:parts@winget.co.uk, service@winget.co.uk
Website: www.winget.co.uk



Handle and Drive Assembly



Spider Assembly

WARRANTY

WARRANTY TERMS AND CONDITIONS. The manufacturer assures you that if any part of the machine becomes defective due to faulty manufacture or materials within 12 months from the date of purchase, the part will be repaired or replaced under warranty by any authorised Winget Distributor. This warranty is given to the first owner and may be transferred to subsequent owners for the balance of the warranty period.

The Manufacturers liability only extends to the costs of repair or replacement of the faulty parts and necessary labour charges involved in the repairs. The company accepts no liability for any consequential loss, damage or injury, resulting directly or indirectly from any defect in the goods

Items not covered by warranty and considered to be the customers responsibility include normal maintenance services; replacement of service items and consumables; replacement required due to abuse accident, misuse or improper operation; replacement of wearable items, e.g. pins, bushes, brake linings, clutch linings, v belts & blades etc.

The warranty will not apply where the equipment is modified, converted, or used for purposes other than those for which it was designed, unless clearance for the modifications etc. have been granted by the manufacturer in writing.

The Pre-Delivery Inspection and Warranty Registration Document must be completed correctly and returned to the manufacturer within 7 days of sale date. Failure to do so may result in any claim being subsequently rejected.

WHAT DOES THIS WARRANTY NOT COVER?

Tyres and tubes are not covered by Warranty, but are covered by the tyre manufacturers own warranty system which provides against defects in materials or workmanship.

Engines are covered separately by the engine manufacturers, and engine warranty repairs must be handled by the relevant manufacturers distributors, unless prior approval is gained from Winget Limited and the engine manufacturer concerned.

No claim will be considered if other than genuine Winget Limited parts, which must be obtained from Winget Limited via an authorised distributor are used to effect a repair, or if lubricants other than those recommended by Winget Limited are used.

The equipment must be serviced in accordance with the service schedules laid down by Winget Limited. Evidence that these have been complied with may be required before a Warranty Claim is reimbursed.

The manufacturers policy is one of continual improvement. Winget Limited reserve the right to change specifications without notice. No responsibility will be accepted for discrepancies which may occur between specification of machines and the descriptions contained in publications.



WARNING



CALIFORNIA PROPOSITION 65 WARNING

Engine exhaust and some of its constituents are known in the state of California to cause cancer, birth defects, and other reproductive harm.