

# FG10 HYDRAULIC FROG GRINDER PG05 HYDRAULIC PROFILE GRINDER



USER MANUAL Safety, Operation and Maintenance



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### **DECLARATION OF CONFORMITY**

DECLARATION OF CONFORMITY ÜBEREINSTIMMUNGS-ERKLARUNG DECLARATION DE CONFORMITE CEE DECLARACION DE CONFORMIDAD DICHIARAZIONE DI CONFORMITA

### Weisbeck, Andy

Surname and First names/Familiennname und Vornamen/Nom et prénom/Nombre y apellido/Cognome e nome

hereby declare that the equipment specified hereunder: bestätige hiermit, daß erklaren Produkt genannten Werk oder Gerät: déclare que l'équipement visé ci-dessous: Por la presente declaro que el equipo se especifica a continuación: Dichiaro che le apparecchiature specificate di seguito:

1.	Category:
	Kategorie:
	Catégorie:
	Categoria:
	Categoria:

I, the undersigned:

El abajo firmante: lo sottoscritto:

Je soussigné:

Ich, der Unterzeichnende:

### Grinder, Hydraulic

Stanley

FG1011001

2. Make/Marke/Margue/Marca/Marca

- 3. Type/Typ/Type/Tipo/Tipo:
- Serial number of equipment: Seriennummer des Geräts: Numéro de série de l'équipement: Numero de serie del equipo: Matricola dell'attrezzatura:

Has been manufactured in conformity with Wurde hergestellt in Übereinstimmung mit Est fabriqué conformément Ha sido fabricado de acuerdo con E' stata costruita in conformitá con All

Directive/Standards	No.	Approved body
Richtlinie/Standards	Nr	Prüfung durch
Directives/Normes	Numéro	Organisme agréé
Directriz/Los Normas	No	Aprobado
Direttiva/Norme	n.	Collaudato
EN ISO	3744:2010	Self
ISO	11148-7:2012	Self
ISO	28927-1:2009	Self
Machinery Directive	2006/42/EC:2006	Self

 Special Provisions: None Spezielle Bestimmungen: Dispositions particulières: Provisiones especiales: Disposizioni speciali:

6. Representative in the Union: Patrick Vervier, Stanley Dubuis 17-19, rue Jules Berthonneau-BP 3406 41034 Blois Cedex, France. Vertreter in der Union/Représentant dans l'union/Representante en la Union/Rappresentante presso l'Unione

Done at/Ort/Fait à/Dado en/Fatto a <u>Stanley Hydraulic Tools, Milwaukie, Oregon</u> USA Date/Datum/le/Fecha/Data 1-10-11

Signature/Unterschrift/Signature/Firma/Firma	Andy Wish
Position/Position/Fonction/Cargo/Posizione	Director of Product Development

STANLEY.

Hydraulic Tools

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### IMPORTANT

To fill out a Product Warranty Validation form, and for information on your warranty, visit Stanleyhydraulics.com and select the Company tab, Warranty. (NOTE: The warranty Validation record must be submitted to validate the warranty).

**SERVICING:** This manual contains safety, operation, and routine maintenance instructions. Stanley Hydraulic Tools recommends that servicing of hydraulic tools, other than routine maintenance, must be performed by an authorized and certified dealer. Please read the following warning.

# **A WARNING**

SERIOUS INJURY OR DEATH COULD RESULT FROM THE IMPROPER REPAIR OR SERVICE OF THIS TOOL.

REPAIRS AND / OR SERVICE TO THIS TOOL MUST ONLY BE DONE BY AN AUTHORIZED AND CERTIFIED DEALER.

For the nearest authorized and certified dealer, call Stanley Hydraulic Tools at the number listed on the back of this manual and ask for a Customer Service Representative.



# **SAFETY SYMBOLS**

Safety symbols and signal words, as shown below, are used to emphasize all operator, maintenance and repair actions which, if not strictly followed, could result in a life-threatening situation, bodily injury or damage to equipment.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

This safety alert and signal word indicate an imminently hazardous situation which, if not avoided, <u>will</u> result in <u>death or serious injury</u>.

This safety alert and signal word indicate a potentially hazardous situation which, if not avoided, <u>could</u> result in <u>death or serious injury</u>.

This safety alert and signal word indicate a potentially hazardous situation which, if not avoided, <u>could</u> result in <u>death or serious injury</u>.

This signal word indicates a potentially hazardous situation which, if not avoided, <u>may</u> result in <u>property damage</u>.

This signal word indicates a situation which, if not avoided, <u>will</u> result in <u>damage</u> to the equipment.

This signal word indicates a situation which, if not avoided, <u>may</u> result in <u>damage to the equipment</u>.

Always observe safety symbols. They are included for your safety and for the protection of the tool.

### LOCAL SAFETY REGULATIONS

Enter any local safety regulations here. Keep these instructions in an area accessible to the operator and maintenance personnel.

# **SAFETY PRECAUTIONS**

Tool operators and maintenance personnel must always comply with the safety precautions given in this manual and on the stickers and tags attached to the tool and hose.

These safety precautions are given for your safety. Review them carefully before operating the tool and before performing general maintenance or repairs.

Supervising personnel should develop additional precautions relating to the specific work area and local safety regulations. If so, place the added precautions in the space provided in this manual.

The model FG10 Hydraulic Frog Grinder or the model PG05 Profile Grinder will provide safe and dependable service if operated in accordance with the instructions given in this manual. Read and understand this manual and any stickers and tags attached to the grinder and hose before operation. Failure to do so could result in personal injury or equipment damage.

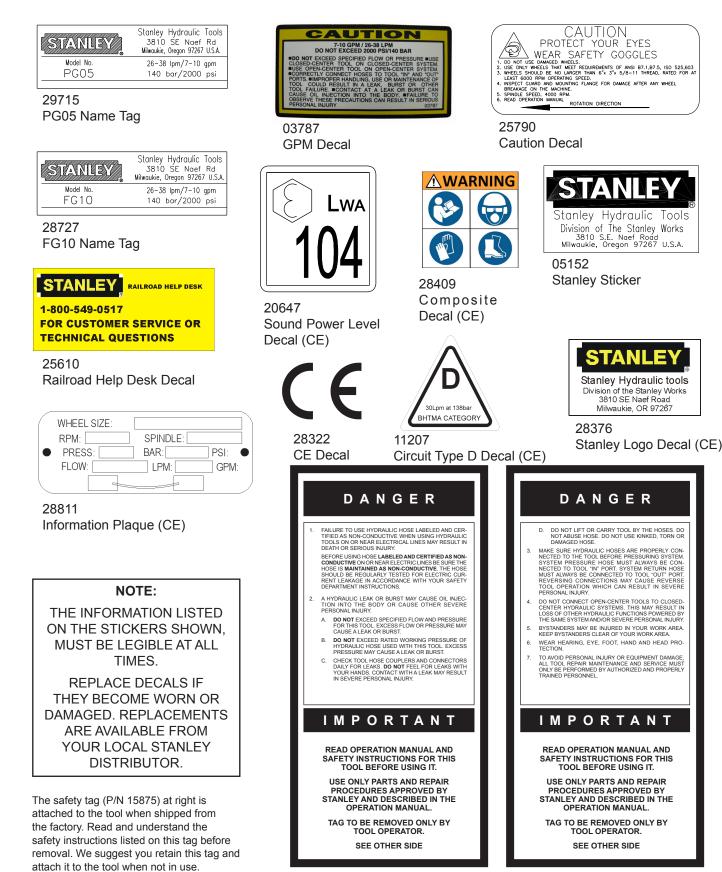


- The operator must start in a work area without bystanders. Flying debris can cause serious injury.
- Do not operate the tool unless thoroughly trained or under the supervision of an instructor. Establish a training program for all operators to ensure safe operation.
- Always wear safety equipment such as goggles, ear and head protection, and safety shoes at all times when operating the tool. Use gloves and aprons when necessary.
- The operator must be familiar with all prohibited work areas such as excessive slopes and dangerous terrain conditions.
- Maintain proper footing and balance at all times.
- Do not inspect, clean or replace the grinding wheel while the hydraulic power source is connected. Do not inspect or clean the tool while the hydraulic power source is connected. Accidental engagement of the tool can cause serious injury.
- Always connect hoses to the tool hose couplers before energizing the hydraulic power source. Be sure all hose connections are tight and are in good condition.
- Do not operate the tool at oil temperatures above

140°F/60°C. Operation at higher temperatures can cause higher than normal temperatures at the tool which can result in operator discomfort.

- Do not operate the tool with the wheel guard removed.
- Do not operate a damaged, improperly adjusted, or incompletely assembled grinder.
- Never wear loose clothing that can get entangled in the working parts of the tool.
- Keep all parts of your body away from the rotating wheel. Long hair or loose clothing can become drawn into rotating components.
- Keep the wheel off all surfaces when starting the grinder.
- Do not use a wheel that is cracked, chipped or otherwise damaged. Always inspect wheels for possible damage before installation or use.
- Always use wheels that conform to the specifications given in the OPERATION section of this manual.
- Do not reverse grinding wheel rotation direction by changing fluid flow direction.
- Do not move the tool until the wheel has stopped rotating. Release the trigger if the power supply has been interrupted.

# **TOOL STICKERS & TAGS**



SAFETY TAG P/N 15875 (Shown smaller then actual size)

# **HOSE TYPES**

The rated working pressure of the hydraulic hose must be equal to or higher than the relief valve setting on the hydraulic system. There are three types of hydraulic hose that meet this requirement and are authorized for use with Stanley Hydraulic Tools. They are:

**Certified non-conductive** — constructed of thermoplastic or synthetic rubber inner tube, synthetic fiber braid reinforcement, and weather resistant thermoplastic or synthetic rubber cover. *Hose labeled certified non-conductive is the only hose authorized for use near electrical conductors.* 

**Wire-braided** (conductive) — constructed of synthetic rubber inner tube, single or double wire braid reinforcement, and weather resistant synthetic rubber cover. *This hose is conductive and must never be used near electrical conductors.* 

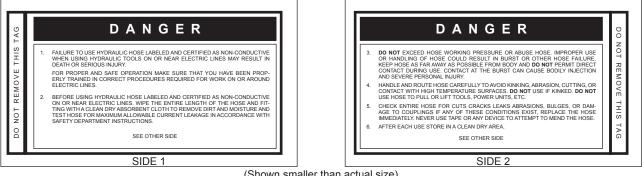
**Fabric-braided** (not certified or labeled non-conductive) — constructed of thermoplastic or synthetic rubber inner tube, synthetic fiber braid reinforcement, and weather resistant thermoplastic or synthetic rubber cover. *This hose is* **not** certified **non-conductive** and must never be used near electrical conductors.

### HOSE SAFETY TAGS

To help ensure your safety, the following DANGER tags are attached to all hose purchased from Stanley Hydraulic Tools. DO NOT REMOVE THESE TAGS.

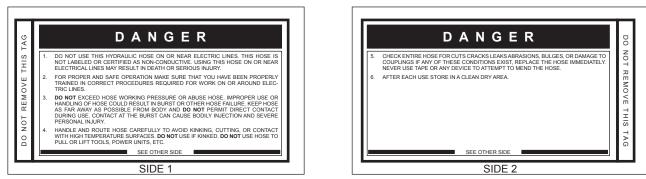
If the information on a tag is illegible because of wear or damage, replace the tag immediately. A new tag may be obtained from your Stanley Distributor.

### THE TAG SHOWN BELOW IS ATTACHED TO "CERTIFIED NON-CONDUCTIVE" HOSE



(Shown smaller than actual size)

### THE TAG SHOWN BELOW IS ATTACHED TO "CONDUCTIVE" HOSE.

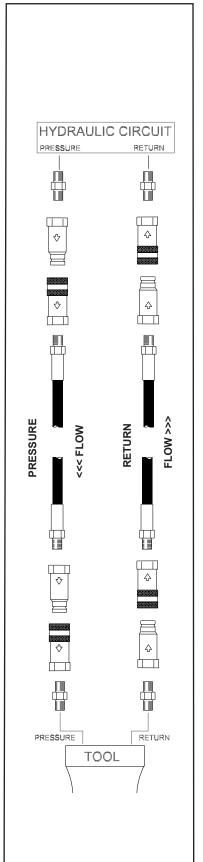


(Shown smaller than actual size)

	Md							
	1	FEET	METERS	INCH	MM	(Press/Return)	PSI	BAR
		<b>Certified No</b>	Certified Non-Conductive Hose - Fiber Braid - for Utility Bucket Trucks	Hose - Fiber	r Braid - for	Utility Bucket	Trucks	
	15-34	up to 10	up to 3	3/8	10	Both	2250	155
	onductiv	re Hose - Wire	Conductive Hose - Wire Braid or Fiber Braid -DO NOT USE NEAR ELECTRICAL CONDUCTORS	Braid -DO N	NOT USE NE	AR ELECTRIC	AL CONDUCT	ORS
0-+	15-23	up to 25	up to 7.5	3/8	10	Both	2500	175
4-6	15-23	26-100	7.5-30	1/2	13	Both	2500	175
5-10.5	19-40	up to 50	up to 15	1/2	13	Both	2500	175
5-10.5	19-40	51-100	15-30	5/8	16	Both	2500	175
				5/8	16	Pressure	2500	175
0.01-0	04-61	000-001	08-00	3/4	19	Return	2500	175
10-13	38-49	up to 50	up to 15	5/8	16	Both	2500	175
	07 00	100	1000	5/8	16	Pressure	2500	175
2	00-40 D	001-10	00-01	3/4	19	Return	2500	175
	07 00		09.00	3/4	19	Pressure	2500	175
2	00-4-00	002-001	00-00	1	25.4	Return	2500	175
		10 JE	0 0 01 011	5/8	16	Pressure	2500	175
<u>0</u>	4%-00	cz oj dn	o oi dh	3/4	19	Return	2500	175
		00 JOO	0000	3/4	19	Pressure	2500	175
<u>0</u>	4%-00	001-07	00-0	1	25.4	Return	2500	175

Tool to Hydraulic Circuit Hose Recommendations The chart to the right shows recommended minimum hose diameters for various hose engths based on gallons per minute (gpm) iters per minute (lpm). These recommendations are intended to keep return line pressure (back pressure) to a minimum acceptable level to ensure maximum tool performance. This chart is intended to be used for hydraulit tool applications only based on Stanley Hy draulic Tools tool operating requirements and should not be used for any other applications

All hydraulic hose must have at least a rated minimum working pressure equal to the maxi mum hydraulic system relief valve setting. All hydraulic hose must meet or exceed specifications as set forth by SAE J517.



# Figure 1. Typical Hose Connections

### **HOSE RECOMMENDATIONS**

### HTMA / EHTMA REQUIREMENTS

TMA		TOOL TY	/PE	
YDRAULIC SYSTEM REQUIREMENTS	TYPEI	TYPE II	TYPE RR	TYPE III
Flow Range	4-6 gpm (15-23 lpm)	7-9 gpm (26-34 lpm)	9-10.5 gpm (34-40 lpm)	11-13 gpm (42-49 lpm)
Nominal Operating Pressure at the power supply outlet)	1500 psi (103 bar)	1500 psi (103 bar)	1500 psi (103 bar)	1500 psi (103 bar)
System relief valve setting at the power supply outlet)	2100-2250 psi (145-155 bar)	2100-2250 psi (145-155 bar)	2200-2300 psi (152-159 bar)	2100-2250 psi (145-155 bar)
Maximum back pressure at tool end of the return hose)	250 psi (17 bar)	250 psi (17 bar)	250 psi (17 bar)	250 psi (17 bar)
Measured at a max. fluid viscosity of: at min. operating temperature)	400 ssu* (82 centistokes)	400 ssu* (82 centistokes)	400 ssu* (82 centistokes)	400 ssu* (82 centistokes
Temperature: Sufficient heat rejection capacity to limit max. fluid temperature to: at max. expected ambient temperature)	140° F (60° C)	140° F (60° C)	140° F (60° C)	140° F (60° C)
Min. cooling capacity at a temperature difference of between ambient and fluid temps <b>NOTE:</b> Do not operate the tool at oil temperatures above 140° discomfort at the tool.	3 hp (2.24 kW) 40° F (22° C) F (60° C). Operation a	5 hp (3.73 kW) 40° F (22° C) t higher temperatur	6 hp (5.22 kW) 40° F (22° C) res can cause ope	7 hp (4.47 kW) 40° F (22° C) rator
Filter Ain. full-flow filtration Sized for flow of at least: For cold temp. startup and max. Iirt-holding capacity)	25 microns 30 gpm (114 lpm)	25 microns 30 gpm (114 lpm)	25 microns 30 gpm (114 lpm)	25 microns 30 gpm (114 lpm)
Hydraulic fluid Petroleum based premium grade, anti-wear, non-conductive) /iscosity (at min. and max. operating temps)	100-400 ssu* (2	100-400 ssu* 20-82 centistokes)	100-400 ssu*	100-400 ssu*
NOTE: When choosing hydraulic fluid, the expected oil temper nost suitable temperature viscosity characteristics. Hy				
over a wide range of operating temperatures.				

EHTMA	0	CLA	SSIFICATION	1	
HYDRAULIC SYSTEM REQUIREMENTS	B 15Lpm at 138bar Biffud CATEGORY	201µm at 138ber EHNA CATEGORY	D 30Lpm dt 138bar ErffMA CATEGORY	Allem at 138ber Ertha CATEGORY	F 50Lpm et 138bor ErHUA CATEGORY
Flow Range	3.5-4.3 gpm (13.5-16.5 lpm)	4.7-5.8 gpm (18-22 lpm)	7.1-8.7 gpm (27-33 lpm)	9.5-11.6 gpm (36-44 lpm)	11.8-14.5 gpm (45-55 lpm)
Nominal Operating Pressure	1870 psi	1500 psi	1500 psi	1500 psi	1500 psi
(at the power supply outlet)	(129 bar)	(103 bar)	(103 bar)	(103 bar)	(103 bar)
System relief valve setting (at the power supply outlet)	2495 psi (172 bar)	2000 psi (138 bar)	2000 psi (138 bar)	2000 psi (138 bar)	2000 psi (138 bar)

NOTE: These are general hydraulic system requirements. See tool specification page for tool specific requirements



# **OPERATION**

### **PREOPERATION PROCEDURES**

### CHECK HYDRAULIC POWER SOURCE

- 1. Using a calibrated flowmeter and pressure gauge, check that the hydraulic power source develops a flow of 7-10 gpm/26-38 lpm at 1500-2000 psi/105-140 bar.
- 2. Make certain the hydraulic power source is equipped with a relief valve set to open at 2100-2250 psi/145-155 bar minimum.
- 3. Check that the hydraulic circuit matches the tool for open-center (OC) or closed-center (CC) operation.

### **CHECK TOOL**

- 1. Make sure all tool accessories are correctly installed. Failure to install tool accessories properly can result in damage to the tool or personal injury.
- 2. There should be no signs of leaks.
- 3. The tool should be clean, with all fittings and fasteners tight.

### **CHECK TRIGGER MECHANISM**

1. Check that the trigger operates smoothly and is free to travel between the "ON" and "OFF" positions.

### CHECK GUARD WELDMENT

1. Inspect the wheel guard weldment for cracks and other structural damage.

### INSTALLING AND REMOVING GRINDING WHEEL

NOTE: Use 6 inch diameter up to 3 inch thick (Type 6 for USA) grinding wheels with a 5/8-11 threaded arbor hole. Only use grinding wheels which comply with ANSI B7.1, B7.5/ISO 525, 603.

READ AND BECOME FAMILIAR WITH THE SEC-TIONS IN THIS MANUAL ON SAFETY PRECAU-TIONS, TOOL STICKERS AND TAGS, HYDRAULIC HOSE REQUIREMENTS, HYDRAULIC REQUIRE-MENTS, AND PREOPERATION PROCEDURES BE-FORE USING THIS PRODUCT.

### **USA CONFIGURATION**

- 1. Unscrew the two nuts (98) which secure the guard weldment (95) to the frame and remove the guard weldment.
- 2. Install the grinding wheel until it comes in contact with the drive flange.

- 3. Using the wrench (127) provided, place it on the flats of the drive flange. Place a strap wrench on the grinding wheel and then tighten by gripping and turning the strap wrench while holding the wrench provided.
- 4. Replace the guard weldment.

### WHEEL PIVOT ADJUSTMENTS FOR PROFILE OR FROG GRINDING OPERATIONS

NOTE: The PG05 does not contain the pivot wheels or the extension assembly.

### **GRINDING WINGS**

For grinding a wing of the frog, place the grinder on top of the wing with the rollers (91) resting on top of the wing to be ground. Adjust each wheel pivot (86) to the position shown in figure 1. Grinding is accomplished by moving the grinder back and forth in line with the rail. When finished with one wing, rotate the entire grinder 180 degrees and place it on the other wing.

# IMPORTANT

Never over-tighten the grinding wheel by impacting the wrench with a mallet or hammer. Sufficient torque is attained by hand-tightening the wheel with a strap wrench while securing the drive flange with the wrench provided.

# **OPERATION**

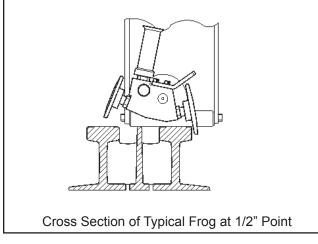
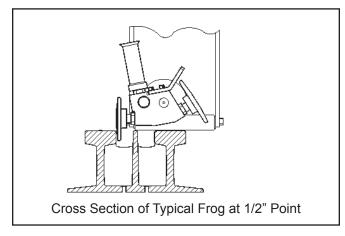


Figure 1. Grinding the Wings of a Frog

### **GRINDING THE POINT**

For grinding the point of a frog, place the grinder on top of the point with the rollers (91) resting on the top of the point. Adjust each wheel pivot (86) to the position shown in figure 2. Grinding is accomplished by moving the grinder back and forth in line with the rail. It may be necessary to rotate the entire grinder 180 degrees and place it on the other side of the point in order to completely grind the width of the point. The extension assembly (128) is normally used during point grinding operations.



### Figure 2. Grinding the Point of a Frog PROFILE GRINDING

For profile grinding of rail, place the grinder on top of the rail with the rollers (91) resting on top of the rail to be ground. Adjust each wheel pivot (86) to the position shown in Figure 3. Grinding is accomplished by moving the grinder back and forth in line with the rail.

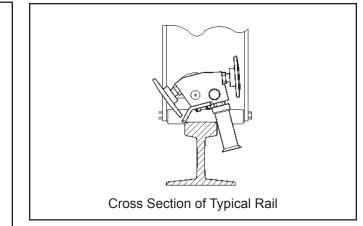


Figure 3. Profile Grinding

### USING THE EXTENSION ASSEMBLY

The extension assembly (128) can be used at anytime by simply connecting it to one end of the grinder at the barrel nut (61) and clamping it in place by turning the adjustable handle (44).

### **CONNECTING THE HOSES**

- 1. Wipe all hose couplers with a clean lint-free cloth before making connections.
- 2. Connect the hoses from the hydraulic power source to the hose couplers on the grinder. It is a good practice to connect the return hose first and disconnect it last to minimize or avoid trapped pressure within the grinder motor.
- 3. Observe flow indicators stamped on hose couplers to be sure that oil will flow in the proper direction. The female coupler is the inlet coupler.

NOTE: The pressure increase in uncoupled hoses left in the sun may result in making them difficult to connect. When possible, connect the free ends of operating hoses together.

### **OPERATING PROCEDURES**

- 1. Observe all safety precautions.
- 2. Always start the grinder with the grinding wheel away from the work surface by turning the hand-wheel counter clockwise to raise the wheel.
- 3. Move the hydraulic circuit control valve to the "ON" position.
- 4. Squeeze the trigger momentarily. If the grinder does not operate, the hoses might be reversed. Verify correct connection of the hoses before continuing.
- 5. Start the grinder and move the grinding wheel to the work surface by turning the handwheel clockwise.

### **OPERATION**

6. Grind a small amount of material at a time adjusting the grinding wheel as necessary by turning the handwheel.

Note: If the grinder is not loaded against a work surface when the trigger is released, the wheel will take 5-10 seconds to come to a complete stop. Avoid unintentional contact of the grinding wheel during the coast down period.

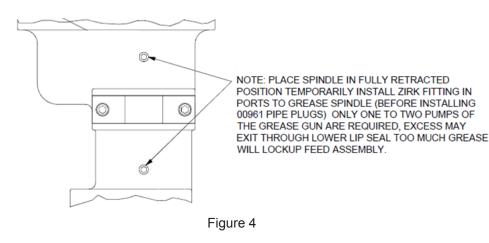
### **COLD WEATHER OPERATION**

If the grinder is to be used during cold weather, preheat the hydraulic fluid at low engine speed. When using the normally recommended fluids, fluid temperature should be at or above  $50^{\circ}$  F/ $10^{\circ}$  C (400 ssu/82 centistokes) before use.

Damage to the hydraulic system or grinder can result from use with fluid that is to viscous or too thick.

### **PREVENTATIVE MAINTENANCE**

- 1. The gears and bearings in the ram, spindle, and housing assemblies should be regreased every 6 months or 500 hours, This procedure must be accomplished by a trained technician.
- 2. After each servicing, measure the spindle speed (rpm revolutions per minute) at 12 gpm/45 lpm input. The nominal speed is 4000, not to exceed 6000 rpm. This procedure must be accomplished by a trained technician.
- 3. Inspect the spindle and drive flange for signs of wear or damage. Runout should not exceed .004 in./.1 mm TIR on threads or .002 in./.05 mm TIR on arbor diameters and faces.
- 4. Check hoses and fittings weekly for any evidence of leakage, cover wear, cracking or cuts. If any of these defects are found, discontinue use of the tool immediately and have the defects repaired or replaced by a trained technician.
- To grease between main housing bore (item 73) and the ram outer diameter (item 26) use CAUTION only one to two pumps of grease are required at these locations, excess grease will lockup feed assembly (See figure 4 below).



### **TOOL PROTECTION & CARE**



In addition to the Safety Precautions found in this manual, observe the following for equipment protection and care.

- Make sure all couplers are wiped clean before connection.
- The hydraulic circuit control valve must be in the "OFF" position when coupling or uncoupling hydraulic tools. Failure to do so may result in damage to the quick couplers and cause overheating of the hydraulic system.
- Always store the tool in a clean dry space, safe from damage or pilferage.
- Make sure the circuit PRESSURE hose (with male quick disconnect) is connected to the "IN" port. The circuit RETURN hose (with female quick disconnect) is connected to the opposite port. Do not reverse circuit flow. This can cause damage to internal seals.
- Always replace hoses, couplings and other parts with replacement parts recommended by Stanley Hydraulic Tools. Supply hoses must have a minimum working pressure rating of 2500 psi/172 bar.

- Do not exceed the rated flow (see Specifications) in this manual for correct flow rate and model number. Rapid failure of the internal seals may result.
- Always keep critical tool markings, such as warning stickers and tags legible.
  - Tool repair should be performed by experienced personnel only.
  - Make certain that the recommended relief valves are installed in the pressure side of the system.
  - Do not use the tool for applications for which it was not intended.

# TROUBLESHOOTING

If symptoms of poor performance develop, the following chart can be used as a guide to correct the problem.

When diagnosing faults in operation of the grinder, always check that the hydraulic power source is supplying the correct hydraulic flow and pressure to the grinder as listed in the table. Use a flowmeter known to be accurate. Check the flow with the hydraulic oil temperature at least 80°F/27°C.

PROBLEM	CAUSE	SOLUTION
Grinder does not run	Hydraulic power source not functioning.	Check power source for proper flow and pressure (7-10 gpm/ 26-38 lpm @ 1500-2000 psi/ 105-140 bar.
	Couplers or hoses blocked.	Locate and remove restriction.
	Hydraulic motor failure.	Inspect and repair.
	Hydraulic lines not connected.	Connect lines.
Grinder operates too slow.	Hydraulic motor speed to slow.	Check power unit for proper flow (7-10 gpm/26-38 lpm).
	High back-pressure.	Check hydraulic system for excessive back-pressure (over 250 psi/17 bar).
	Couplers or hoses blocked.	Locate and remove restriction.
	Oil too hot (above 140°F/60°C) or too cold (below 60°F/16°C).	Check hydraulic power source for proper oil temperature. Bypass cooler to warm oil or provide cooler to maintain proper temperature.
	Relief valve set too low.	Adjust relief valve to 2100-2250 psi/145-155 bar.
	Hydraulic motor worn.	Inspect, repair or replace.
	Flow control malfunctioning.	Have flow control serviced at an authorized Stanley service center.
Grinder operates too fast.	Flow control malfunctioning.	Have flow control and valve body serviced at an authorized Stanley service center.

## **SPECIFICATIONS**

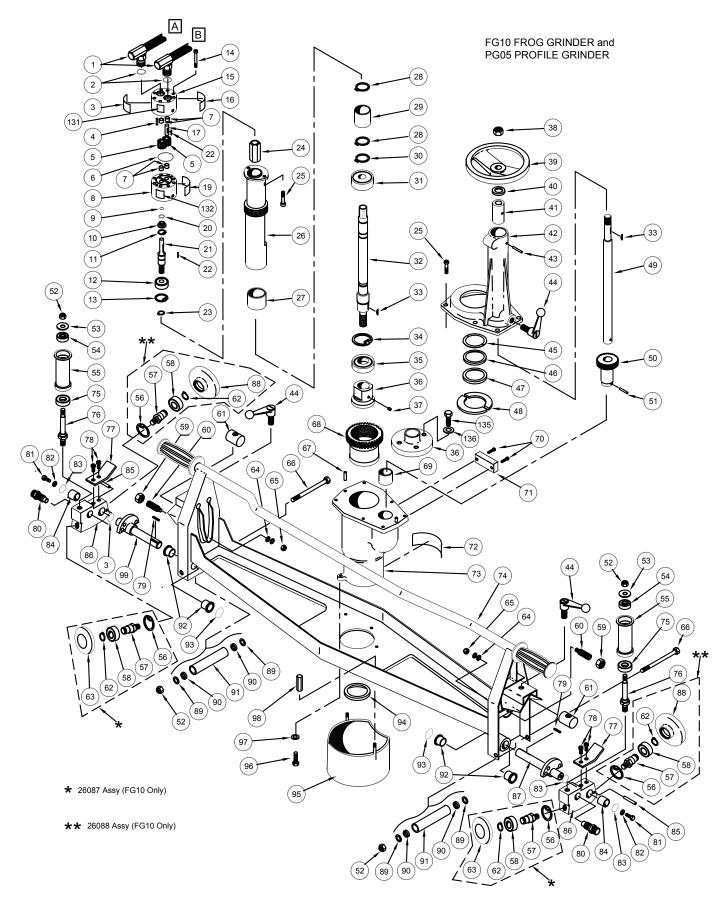
Pressure Range	6 in. dia. x 3 in. thk x 5/8-11 threaded arbor (Type 6) U.S.A. 
Flow Range	HTMA Type RR, 7-10 gpm/26-38 lpm
Porting	-8 SAE O-ring
Couplers	HTMA/EHTMA Flush Face Type Male & Female
Connect Size and Type	
Hose Whips	No
Weight (with couplers)	
Overall Length	
Overall Width	10.5 inches/26.7 cm
Overall Height	
Sound Pressure Level (1m)	
	Less than 2.5m/sec <sup>2</sup>

SOUND AND VIBRATION DECLARATION		
Test conducted on FG10110 S/N 527 operated at standard 10 gpm input		
Measured A-weighted sound power level, Lwa (ref. 1pW) in decibels	103.86 dBA	
Uncertainty, Kwa, in decibels	3 dBA	
Measured A-weighted sound pressure level, Lpa (ref. 20 µPa) at operator's position, in decibels	94 dBA	
Uncertainty, Kpa, in decibels	3 dBA	
Values determined according to noise test code given in ISO 15744, using the basic standard ISO3744 NOTE- The sum of a measured noise emission value and its associated uncertainty represents an upper boundary of the range of values which is likely to occur in measurements.		
Declared vibration emission value in accordance with EN 12096		
Measured vibration emission value: a		
Uncertainty: K	0.5 m/sec <sup>2</sup>	
Values determined according to ISO 8662-4, ISO 5349-1,2		

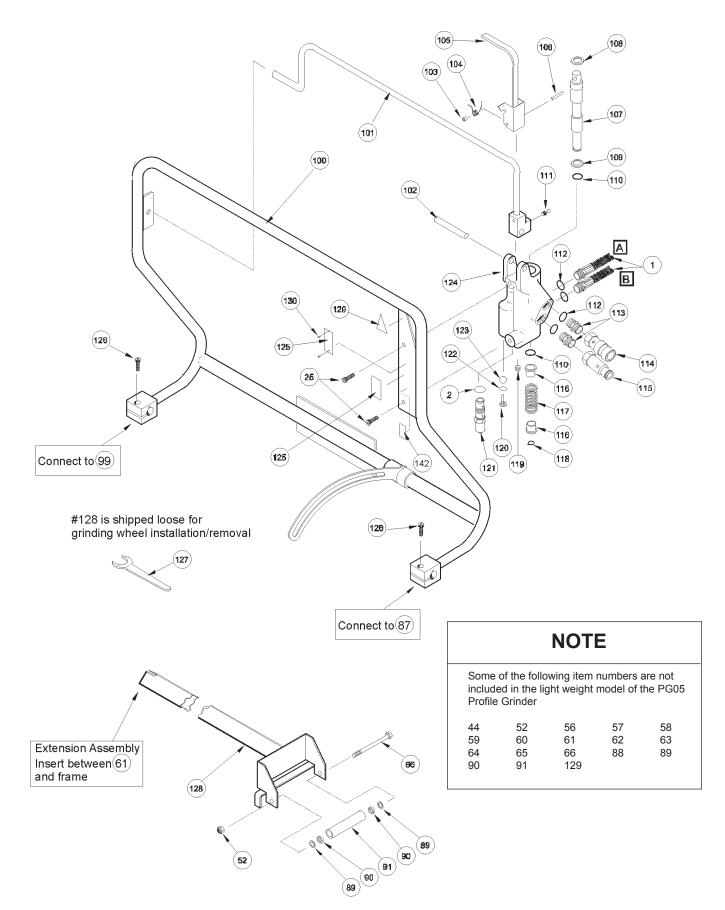
# ACCESSORIES



# **FG10 - PG05 PARTS ILLUSTRATION**



# **FG10 - PG05 PARTS ILLUSTRATION**



# **FG10 PARTS LIST**

ITEM	P/N	QTY	DESCRIPTION
1	25294	2	HOSE ASSEBLY
	25251	1	HYREVZ MOTOR ASSY (INCL ITEMS 4-15, 17, 18, & 20-23)
2	01604	3	O-RING •
3	25790	1	CAUTION STICKER (US MODELS)
4	00713	2	DOWEL PIN
5	25718	2	DRIVE GEARS
6	00178	1	O-RING, 2-1/8 X 2-1/4 X 1/16 70D •
7	06316	4	BUSHING
8	19905	1	FRONT BEARING HOUSING ASSY (INCL ITEM 7)
9	00669	1	QUAD RING •
10	19884	1	SEAL GLAND
11	00170	1	RETAINING RING
12	00148	1	BEARING
13	00166	1	RETAINING RING
14	00120	8	CAPSCREW
15	06846	1	GEAR HOUSING ASSEMBLY (INCL ITEMS 5 & 8)
16	25610	1	RAILROAD HELP DESK DECAL (US MODELS ONLY)
17	73309	1	IDLER SHAFT KEYED
19	28727	1	NAME TAG (US & CE MODELS)
20	00171	1	O-RING, 11/16 X 13/16 X 1/16 70D •
21	25166	1	MOTOR SHAFT
22	06881	2	NEEDLE ROLLER
23	00708	1	RETAINING RING
24	25158	1	SPLINED COUPLING
25	02688	10	CAPSCREW
26	25099	1	RAM
27	25291	1	NEEDLE ROLLER BEARING
28	25289	2	RETAINING RING
29	25290	1	INNER RING
30	25281	1	RETAINING RING
31	25279	1	BEARING
32	27941	1	SPINDLE
33	00772	2	WOODRUFF KEY
34	25278	1	RETAINING RING
35	25280	1	OIL SEAL, 1.250 X 2.047 X .299 •
36	25419	1	DRIVE FLANGE (US MODELS ONLY)
37	01607	1	SET SCREW
38	02179	1	NUT
39	26809	1	HAND WHEEL
40	25287	1	WIPER •
41		4	DUCUINC
	27748	1	BUSHING
42	27748 27749	1	HOUSING

Num         Num         Num         Num           41         ADJUSTABLE HANDLE           45         25104         1         BACKUP WASHER           46         25283         1         SQUARE RING -           47         25293         1         SQUARE RING -           48         25103         1         THRUST WASHER           49         26810         1         SQUARE RING -           50         25083         1         PINION GEAR           51         25083         1         ROLL PIN           52         03906         2         HEX NUT           53         02634         2         WASHER           54         00048         2         BEARING           55         26019         2         RULER           56         86.26,39         Nume         Se538 62,38           57         26087         1         WHEEL ASSY 3.0 INCH (INCL ITEMS Se58 62,88)           58         26091         4         WHEEL ASSY 3.0 INCH (INCL ITEMS Se58 62,88)           58         26091         4         BEARING           59         26250         2         JAM NUT           60         26216	ITEM	P/N	QTY	DESCRIPTION
45251041BACKUP WASHER46252861WIPER TYPE H •47252931SQUARE RING •48251031HRUST WASHER49268101SHAFT50250831ROLL PIN51252831ROLL PIN52039062HEX NUT53026342WASHER54000482BEARING55260192ROLLER56260871WHEEL ASSY 2.5 INCH (INCL ITEMS 56-58 & 62, 83)56032264RETAINING RING57260424WHEEL SHAFT58260914BEARING59262502JAM NUT60262162BARREL NUT61261552BARREL NUT62006644RETAINING RING63200252SPHERICAL WASHER (2 PCS)64262492SPHERICAL WASHER (2 PCS)6507192LOCKNUT66262022OWEL PIN67027222DOWEL PIN68250821FEED GEAR69252841DU BEARING70108882CAPSCREW71261671KEY72051521GADSCREW73261031MAIN HOUSING74262151GAPSCREW75000772				
46252861WIPER TYPE H •47252931SOUARE RING •48251031HRUST WASHER49268101SHAFT50250331ROLL PIN51252831ROLL PIN52039062HEX NUT53026342BEARING54000482BEARING55260192ROLLER56260871WHEEL ASSY 3.0 INCH (INCL ITEMS S6-58 & 62, 63)56032264RETAINING RING57260424WHEEL SASY 3.0 INCH (INCL ITEMS S6-58 & 62, 63)58260914BEARING59262502JAM NUT50262502JAM NUT50262502JAM NUT50262502ARREL NUT6126152BARREL NUT62006444RETAINING RING63260252VHEEL, 2.5 INCH64262492SPHERCAL WASHER (2 PCS)65007192COCKNUT66262022OWEL PIN67002722OWEL PIN68250821VHEEL SASH WASHER70108882CAPSCREW71251671KEY72261591KEY73261592CAPSCREW74261592ALNING7500077 </td <td></td> <td></td> <td>-</td> <td></td>			-	
47252931SOUARE RING •48251031HRUST WASHER49268101SHAFT50250331ROLL PIN51252831ROLL PIN51252831ROLL PIN5126342BEARING5100482BEARING51260192ROLLER52260192ROLLER53260871WHEEL ASSY 2.5 INCH (INCL ITEMS) 56-58 & 62, 63)56032264RETAINING RING57260424WHEEL SASY 2.5 INCH (INCL ITEMS) 56-58 & 62, 63)58032264RETAINING RING59262502JAM NUT50262502JAM NUT50262502JAM NUT51260512JAM NUT52262502JAM NUT53260522JAM NUT54260544RETAINING RING53260552SPHERCAL WASHER (2 PCS)54261552JOWEL PIN55261792CAPSCREW64262022CAPSCREW6525382SPHERICAL WASHER (2 PCS)6531JUBARING71251671STANLEY DECAL (US MODELS ONLY)73260582SPAREING74261551GANSING75000772GEARING <t< td=""><td>-</td><td></td><td></td><td></td></t<>	-			
48251031THRUST WASHER49268101SHAFT50250831PINION GEAR51252831ROLL PIN52039062HEX NUT53026342WASHER54000482BEARING55260192ROLLER56260871WHEEL ASSY 2.5 INCH (INCL ITEMS 56-58 & 62.63)56032264RETAINING RING57260424WHEEL SHAFT58260914BEARING59262502JAM NUT60262612ADJUSTMENT SCREW61261552BARREL NUT62006444RETAINING RING63260252WHEEL, 2.5 INCH64262492SPHERICAL WASHER (2 PCS)65007192LOCKNUT66262022CAPSCREW67002722DOWEL PIN68250821FEED GEAR69252841DU BEARING70108882CAPSCREW71251671KEY72051521GANSIS WELDMENT73261031MAIN HOUSING74262151CHASSIS WELDMENT75000072BEARING76200512ROLLER SHAFT77260512ROLLER SHAFT78030114 </td <td>-</td> <td></td> <td>-</td> <td></td>	-		-	
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51252831ROLL PIN52039062HEX NUT53026342WASHER54000482BEARING55260192ROLLER260871WHEEL ASSY 2.5 INCH (INCL ITEMS S6-58 & 62, 63)56032264RETAINING RING57260424WHEEL SHAFT58260914BEARING59262502JAM NUT60262162ADJUSTMENT SCREW61261552BARREL NUT62006644RETAINING RING63260252WHEEL, 2.5 INCH64262492SPHERICAL WASHER (2 PCS)65007192LOCKNUT66262022CAPSCREW67002722DOWEL PIN68250821FEED GEAR69252841DU BEARING70108882CAPSCREW71251671KEY72051521STANLEY DECAL (US MODELS ONLY)73261031MAIN HOUSING74262151CHASSIS WELDMENT75000072BEARING76200512ROLLER SHAFT77260512ROLLER SHAFT78030114CAPSCREW79006352ROLLER SHAFT70206592PIVOT PIN ASSY7126059 </td <td></td> <td></td> <td></td> <td></td>				
52         03906         2         HEX NUT           53         02634         2         WASHER           54         00048         2         BEARING           55         26019         2         ROLLER           55         26087         1         WHEEL ASSY 2.5 INCH (INCL ITEMS 56-58 & 62, 63)           56         03226         4         RETAINING RING           57         26042         4         WHEEL ASSY 3.0 INCH (INCL ITEMS 56-58 & 62, 88)           56         03226         4         RETAINING RING           57         26042         4         WHEEL SHAFT           58         26091         4         BEARING           59         26250         2         JAM NUT           60         26216         2         ADJUSTMENT SCREW           61         26155         2         BARREL NUT           62         0664         4         RETAINING RING           63         26025         2         WHEEL, 2.5 INCH           64         26249         2         SPHERICAL WASHER (2 PCS)           65         00719         2         LOCKNUT           66         26022         2         CAPSCREW </td <td></td> <td></td> <td></td> <td></td>				
53026342WASHER54000482BEARING55260192ROLLER55260871WHEELASSY 2.5 INCH (INCL ITEMS S6-58 & 62, 63)60032264RETAINING RING56260424WHEEL SASY 3.0 INCH (INCL ITEMS S6-58 & 62, 88)56032264RETAINING RING57260424WHEEL SHAFT58260914BEARING59262502JAM NUT60262162ADJUSTMENT SCREW61261552BARREL NUT62006444RETAINING RING63260252WHEEL, 2.5 INCH64262492SPHERICAL WASHER (2 PCS)65007192LOCKNUT66262022CAPSCREW6702722DOWEL PIN6825841DU BEARING70108882CAPSCREW71251671KEY72051521STANLEY DECAL (US MODELS ONLY)73261031MIN HOUSING74262151CHASSIS WELDMENT75000072BEARING76260452ROLLER SHAFT77260512ROLLER SHAFT78030114CAPSCREW7906352PIVOT PIN ASSY81030992CAPSCREW82268312 </td <td>-</td> <td></td> <td>· ·</td> <td>-</td>	-		· ·	-
54000482BEARING55260192ROLLER55260871WHEELASSY 2.5 INCH (INCL ITEMS S6-58 & 62,63)60260881WHEELASSY 3.0 INCH (INCL ITEMS S6-58 & 62,88)56032264RETAINING RING57260424WHEEL SHAFT58260914BEARING59262502JAM NUT60262162ADJUSTMENT SCREW61261552BARREL NUT62006644RETAINING RING63260252WHEEL, 2.5 INCH64262492SPHERICAL WASHER (2 PCS)65007192LOCKNUT66260202CAPSCREW67002722DOWEL PIN68250821FEED GEAR69252841DU BEARING70108882CAPSCREW71251671KEY72051521STANLEY DECAL (US MODELS ONLY)73261031MAIN HOUSING74262151CHASSIS WELDMENT7500072BEARING76260452ROLLER SHAFT77260512ROLLER SHAFT78030114CAPSCREW7906352FIVOT PIN ASSY81030114CAPSCREW82263312ROLLER SHAFT78030114 </td <td></td> <td></td> <td></td> <td></td>				
55260192ROLLER260871WHEELASSY 2.5 INCH (INCL ITEMS S6-58 & 62,63)260881WHEELASSY 3.0 INCH (INCL ITEMS S6-58 & 62,88)56032264RETAINING RING57260424WHEEL SHAFT58260914BEARING59262502JAM NUT60262162ADJUSTMENT SCREW61261552BARREL NUT62006644RETAINING RING63260252WHEEL, 2.5 INCH64262492SPHERICAL WASHER (2 PCS)65007192LOCKNUT66260202CAPSCREW67002722DOWEL PIN68250821FEED GEAR69251671KEY71251671KEY72051521STANLEY DECAL (US MODELS ONLY)73261031MAIN HOUSING74262151CHASSIS WELDMENT7500072BEARING76260452ROLLER SHAFT77260512ROLLER SHAFT78030114CAPSCREW7906352FIVOT PIN ASSY80260592PIVOT PIN ASSY81030912CAPSCREW82263312ROLLER SHAFT79063552FIVOT PIN ASSY81069894O-RING,-0				-
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10056-58 & 62,63)260881.0WHEEL ASSY 3.0 INCH (INCL ITEMS 56-58 & 62, 88)560032264RETAINING RING57260424WHEEL SHAFT58260914BEARING59262502JAM NUT60262162ADJUSTMENT SCREW61261552BARREL NUT62006644RETAINING RING63260252WHEEL, 2.5 INCH64262492SPHERICAL WASHER (2 PCS)65007192LOCKNUT66262022OWEL PIN67002722DOWEL PIN68250821FEED GEAR69252841DU BEARING70108882CAPSCREW71251671STANLEY DECAL (US MODELS ONLY)73261031MAIN HOUSING74262151CHASSIS WELDMENT75000072BEARING76260452ROLLER SHAFT77260512HANGER78030114CAPSCREW79063552KEY80260592KEY81008992CAPSCREW78309894O-RING,-018 •83069894O-RING,-018 •84260902BUSHING				-
16056-58 & 62, 88)560032264RETAINING RING57260424WHEEL SHAFT58260914BEARING59262502JAM NUT60262162ADJUSTMENT SCREW61261552BARREL NUT62006644RETAINING RING63260252WHEEL, 2.5 INCH64262492SPHERICAL WASHER (2 PCS)65007192LOCKNUT66262022CAPSCREW67002722DOWEL PIN68250821FEED GEAR69252841DU BEARING70108882CAPSCREW71251671STANLEY DECAL (US MODELS ONLY)73261031MAIN HOUSING74262151GAPSCREW75000072BEARING76260452ROLLER SHAFT77260512ROLLER SHAFT78030114CAPSCREW7906352FIVOT PIN ASSY80260592PIVOT PIN ASSY81008992CAPSCREW82268312SANER83069894O-RING,-018 -84260902BUSHING		20001	·	
57         26042         4         WHEEL SHAFT           58         26091         4         BEARING           59         26250         2         JAM NUT           60         26216         2         ADJUSTMENT SCREW           61         26155         2         BARREL NUT           62         00664         4         RETAINING RING           63         26025         2         WHEEL, 2.5 INCH           64         26249         2         SPHERICAL WASHER (2 PCS)           65         00719         2         LOCKNUT           66         26202         2         CAPSCREW           67         00272         2         DOWEL PIN           68         25082         1         FEED GEAR           69         25284         1         DU BEARING           70         10888         2         CAPSCREW           71         25167         1         KEY           72         05152         1         STANLEY DECAL (US MODELS ONLY)           73         26103         1         MAIN HOUSING           74         26215         1         CHASSIS WELDMENT           75         0007<		26088	1	
58         26091         4         BEARING           59         26250         2         JAM NUT           60         26216         2         ADJUSTMENT SCREW           61         26155         2         BARREL NUT           62         00664         4         RETAINING RING           63         26025         2         WHEEL, 2.5 INCH           64         26249         2         SPHERICAL WASHER (2 PCS)           65         00719         2         LOCKNUT           66         26202         2         CAPSCREW           67         00272         2         DOWEL PIN           68         25082         1         FEED GEAR           69         25284         1         DU BEARING           70         10888         2         CAPSCREW           71         25167         1         KEY           72         05152         1         STANLEY DECAL (US MODELS ONLY)           73         26103         1         MAIN HOUSING           74         26215         1         CHASSIS WELDMENT           75         0007         2         BEARING           76         26051	56	03226	4	RETAINING RING
599262502JAM NUT600262162ADJUSTMENT SCREW61261552BARREL NUT62006644RETAINING RING63260252WHEEL, 2.5 INCH64262492SPHERICAL WASHER (2 PCS)65007192LOCKNUT66262022CAPSCREW67002722DOWEL PIN68250821FEED GEAR69252841DU BEARING70108882CAPSCREW71251671KEY72051521STANLEY DECAL (US MODELS ONLY)73261031MAIN HOUSING74262151CHASSIS WELDMENT75000772BEARING76260452ROLLER SHAFT77260512HANGER78030114CAPSCREW79006352FIVOT PIN ASSY81008992CAPSCREW82268312PIVOT PIN ASSY83069894O-RING, -018 •84206902BUSHING	57	26042	4	WHEEL SHAFT
60         26216         2         ADJUSTMENT SCREW           61         26155         2         BARREL NUT           62         00664         4         RETAINING RING           63         26025         2         WHEEL, 2.5 INCH           64         26249         2         SPHERICAL WASHER (2 PCS)           65         00719         2         LOCKNUT           66         26202         2         CAPSCREW           67         00272         2         DOWEL PIN           68         25082         1         FEED GEAR           69         25284         1         DU BEARING           70         10888         2         CAPSCREW           71         25167         1         KEY           72         05152         1         STANLEY DECAL (US MODELS ONLY)           73         26103         1         MAIN HOUSING           74         26215         1         STANLEY DECAL (US MODELS ONLY)           75         0007         2         BEARING           76         26045         2         ROLLER SHAFT           77         26051         2         HANGER           78	58	26091	4	BEARING
61         26155         2         BARREL NUT           62         00664         4         RETAINING RING           63         26025         2         WHEEL, 2.5 INCH           64         26249         2         SPHERICAL WASHER (2 PCS)           65         00719         2         LOCKNUT           66         26202         2         CAPSCREW           67         00272         2         DOWEL PIN           68         25082         1         FEED GEAR           69         25284         1         DU BEARING           70         10888         2         CAPSCREW           71         25167         1         KEY           71         25167         1         KEY           72         05152         1         KEY           73         26103         1         MAIN HOUSING           74         26215         1         CHASSIS WELDMENT           75         00007         2         BEARING           76         26045         2         ROLLER SHAFT           77         26051         2         HANGER           78         03011         4         CAP	59	26250	2	JAM NUT
62         00664         4         RETAINING RING           63         26025         2         WHEEL, 2.5 INCH           64         26249         2         SPHERICAL WASHER (2 PCS)           65         00719         2         LOCKNUT           66         26202         2         CAPSCREW           67         00272         2         DOWEL PIN           68         25082         1         FEED GEAR           69         25284         1         DU BEARING           70         10888         2         CAPSCREW           71         25167         1         KEY           72         05152         1         STANLEY DECAL (US MODELS ONLY)           73         26103         1         MAIN HOUSING           74         26215         1         CHASSIS WELDMENT           75         00007         2         BEARING           76         26045         2         ROLLER SHAFT           77         26051         2         ROLLER SHAFT           78         03011         4         CAPSCREW           79         06355         2         FIVOT PIN ASSY           81         008	60	26216	2	ADJUSTMENT SCREW
Action         Action and construction of the construc	61	26155	2	BARREL NUT
64         26249         2         SPHERICAL WASHER (2 PCS)           65         00719         2         LOCKNUT           66         26202         2         CAPSCREW           67         00272         2         DOWEL PIN           68         25082         1         FEED GEAR           69         25284         1         DU BEARING           70         10888         2         CAPSCREW           71         25167         1         KEY           72         05152         1         STANLEY DECAL (US MODELS ONLY)           73         26103         1         MAIN HOUSING           74         26215         1         CHASSIS WELDMENT           75         00007         2         BEARING           76         26045         2         ROLLER SHAFT           77         26051         2         HANGER           78         03011         4         CAPSCREW           79         0635         2         KEY           80         26059         2         PIVOT PIN ASSY           81         00899         2         CAPSCREW           82         26831         2 <td>62</td> <td>00664</td> <td>4</td> <td>RETAINING RING</td>	62	00664	4	RETAINING RING
65         00719         2         LOCKNUT           66         26202         2         CAPSCREW           67         00272         2         DOWEL PIN           68         25082         1         FEED GEAR           69         25284         1         DU BEARING           70         10888         2         CAPSCREW           71         25167         1         KEY           72         05152         1         STANLEY DECAL (US MODELS ONLY)           73         26103         1         MAIN HOUSING           74         26215         1         CHASSIS WELDMENT           75         00007         2         BEARING           76         26045         2         ROLLER SHAFT           77         26051         2         ROLLER SHAFT           78         03011         4         CAPSCREW           79         0635         2         KEY           80         26059         2         PIVOT PIN ASSY           81         00899         2         CAPSCREW           82         26831         2         WASHER           83         06989         4 <t< td=""><td>63</td><td>26025</td><td>2</td><td>WHEEL, 2.5 INCH</td></t<>	63	26025	2	WHEEL, 2.5 INCH
66         26202         2         CAPSCREW           67         00272         2         DOWEL PIN           68         25082         1         FEED GEAR           69         25284         1         DU BEARING           70         10888         2         CAPSCREW           71         25167         1         KEY           72         05152         1         STANLEY DECAL (US MODELS ONLY)           73         26103         1         MAIN HOUSING           74         26215         1         CHASSIS WELDMENT           75         00007         2         BEARING           76         26045         2         ROLLER SHAFT           77         26051         2         ROLLER SHAFT           77         26051         2         HANGER           78         03011         4         CAPSCREW           79         0635         2         KEY           80         26059         2         PIVOT PIN ASSY           81         00899         2         CAPSCREW           82         26831         2         WASHER           83         06989         4 <td< td=""><td>64</td><td>26249</td><td>2</td><td>SPHERICAL WASHER (2 PCS)</td></td<>	64	26249	2	SPHERICAL WASHER (2 PCS)
67         00272         2         DOWEL PIN           68         25082         1         FEED GEAR           69         25284         1         DU BEARING           70         10888         2         CAPSCREW           71         25167         1         KEY           72         05152         1         STANLEY DECAL (US MODELS ONLY)           73         26103         1         MAIN HOUSING           74         26215         1         CHASSIS WELDMENT           75         00007         2         BEARING           76         26045         2         ROLLER SHAFT           77         26051         2         HANGER           78         03011         4         CAPSCREW           79         0635         2         IVOT PIN ASSY           80         26059         2         PIVOT PIN ASSY           81         00899         2         CAPSCREW           82         26831         2         WASHER           83         06989         4         O-RING, -018 •           84         26090         2         BUSHING	65	00719	2	LOCKNUT
68         25082         1         FEED GEAR           69         25284         1         DU BEARING           70         10888         2         CAPSCREW           71         25167         1         KEY           72         05152         1         STANLEY DECAL (US MODELS ONLY)           73         26103         1         MAIN HOUSING           74         26215         1         CHASSIS WELDMENT           75         00007         2         BEARING           76         26045         2         ROLLER SHAFT           76         26051         2         HANGER           78         03011         4         CAPSCREW           79         0635         2         KEY           80         26059         2         PIVOT PIN ASSY           81         00899         2         CAPSCREW           82         26331         2         WASHER           83         06989         4         O-RING, -018 •           84         26090         2         BUSHING	66	26202	2	CAPSCREW
69         25284         1         DU BEARING           70         10888         2         CAPSCREW           71         25167         1         KEY           72         05152         1         STANLEY DECAL (US MODELS ONLY)           73         26103         1         MAIN HOUSING           74         26215         1         CHASSIS WELDMENT           75         00007         2         BEARING           76         26045         2         ROLLER SHAFT           77         26051         2         ROLLER SHAFT           78         03011         4         CAPSCREW           79         0635         2         KEY           80         26059         2         PIVOT PIN ASSY           81         00899         2         CAPSCREW           82         26831         2         WASHER           83         06989         4         O-RING, -018 •           84         26090         2         BUSHING	67	00272	2	DOWEL PIN
70         10888         2         CAPSCREW           71         25167         1         KEY           72         05152         1         STANLEY DECAL (US MODELS ONLY)           73         26103         1         MAIN HOUSING           74         26215         1         CHASSIS WELDMENT           75         00007         2         BEARING           76         26045         2         ROLLER SHAFT           77         26051         2         HANGER           78         03011         4         CAPSCREW           79         0635         2         KEY           80         26059         2         PIVOT PIN ASSY           81         00899         2         CAPSCREW           82         26831         2         WASHER           83         06989         4         O-RING, -018 •           84         26090         2         BUSHING	68	25082	1	FEED GEAR
71         25167         1         KEY           72         05152         1         STANLEY DECAL (US MODELS ONLY)           73         26103         1         MAIN HOUSING           74         26215         1         CHASSIS WELDMENT           75         00007         2         BEARING           76         26045         2         ROLLER SHAFT           77         26051         2         HANGER           78         03011         4         CAPSCREW           79         00635         2         KEY           80         26059         2         PIVOT PIN ASSY           81         0899         2         CAPSCREW           82         26831         2         WASHER           83         06989         4         O-RING, -018 •           84         26090         2         BUSHING	69	25284	1	DU BEARING
72         05152         1         STANLEY DECAL (US MODELS ONLY)           73         26103         1         MAIN HOUSING           74         26215         1         CHASSIS WELDMENT           75         00007         2         BEARING           76         26045         2         ROLLER SHAFT           77         26051         2         HANGER           78         03011         4         CAPSCREW           79         0635         2         KEY           80         26059         2         PIVOT PIN ASSY           81         00899         2         CAPSCREW           82         26831         2         WASHER           83         06989         4         O-RING, -018 •           84         26090         2         BUSHING	70	10888	2	CAPSCREW
73         26103         1         MAIN HOUSING           74         26215         1         CHASSIS WELDMENT           75         00007         2         BEARING           76         26045         2         ROLLER SHAFT           77         26051         2         HANGER           78         03011         4         CAPSCREW           79         00635         2         KEY           80         26059         2         PIVOT PIN ASSY           81         00899         2         CAPSCREW           82         26831         2         WASHER           83         06989         4         O-RING, -018 •           84         26090         2         BUSHING	71	25167	1	KEY
74         26215         1         CHASSIS WELDMENT           75         00007         2         BEARING           76         26045         2         ROLLER SHAFT           76         26051         2         HANGER           77         26051         2         HANGER           78         03011         4         CAPSCREW           79         00635         2         KEY           80         26059         2         PIVOT PIN ASSY           81         00899         2         CAPSCREW           82         26831         2         WASHER           83         06989         4         O-RING, -018 •           84         26090         2         BUSHING	72	05152	1	STANLEY DECAL (US MODELS ONLY)
75         00007         2         BEARING           76         26045         2         ROLLER SHAFT           77         26051         2         HANGER           78         03011         4         CAPSCREW           79         0635         2         KEY           80         26059         2         PIVOT PIN ASSY           81         00899         2         CAPSCREW           82         26831         2         WASHER           83         06989         4         O-RING, -018 •           84         26090         2         BUSHING	73	26103	1	MAIN HOUSING
76         26045         2         ROLLER SHAFT           77         26051         2         HANGER           78         03011         4         CAPSCREW           79         00635         2         KEY           80         26059         2         PIVOT PIN ASSY           81         00899         2         CAPSCREW           82         26831         2         WASHER           83         06989         4         O-RING, -018 •           84         26090         2         BUSHING	74	26215	1	CHASSIS WELDMENT
77       26051       2       HANGER         78       03011       4       CAPSCREW         79       00635       2       KEY         80       26059       2       PIVOT PIN ASSY         81       00899       2       CAPSCREW         82       26831       2       WASHER         83       06989       4       O-RING, -018 •         84       26090       2       BUSHING	75	00007	2	BEARING
78         03011         4         CAPSCREW           79         00635         2         KEY           80         26059         2         PIVOT PIN ASSY           81         00899         2         CAPSCREW           82         26831         2         WASHER           83         06989         4         O-RING, -018 •           84         26090         2         BUSHING	76	26045	2	ROLLER SHAFT
79         00635         2         KEY           80         26059         2         PIVOT PIN ASSY           81         00899         2         CAPSCREW           82         26831         2         WASHER           83         06989         4         O-RING, -018 •           84         26090         2         BUSHING	77	26051	2	HANGER
80         26059         2         PIVOT PIN ASSY           81         00899         2         CAPSCREW           82         26831         2         WASHER           83         06989         4         O-RING, -018 •           84         26090         2         BUSHING	78	03011	4	CAPSCREW
81         00899         2         CAPSCREW           82         26831         2         WASHER           83         06989         4         O-RING, -018 •           84         26090         2         BUSHING	79	00635	2	KEY
82         26831         2         WASHER           83         06989         4         O-RING, -018 •           84         26090         2         BUSHING	80	26059	2	PIVOT PIN ASSY
83         06989         4         O-RING, -018 •           84         26090         2         BUSHING	81	00899	2	CAPSCREW
84 26090 2 BUSHING	82	26831	2	WASHER
	83	06989	4	O-RING, -018 •
85 17668 2 ROLL PIN	84	26090	2	BUSHING
	85	17668	2	ROLL PIN

# **FG10 PARTS LIST**

ITEM	P/N	QTY	DESCRIPTION	
86	26056	2	WHEEL PIVOT	
87	26022	1	PIVOT SHAFT WHEEL	
88	26024	2	WHEEL, 3.3 INCH	
89	12175	4	WASHER	
90	26203	4	BALL BEARING	
91	26046	2	ROLLER	
92	26247	4	FLANGED BUSHING	
93	01606	2	O-RING, -120 •	
94	25277	1	WIPER •	
95	26211	1	GUARD WELDMENT (US MODELS ONLY)	
96	02525	3	CAPSCREW	
97	26248	3	LOCK WASHER	
98	26246	2	COUPLING NUT	
99	26021	1	PIVOT SHAFT WHEEL	
100	26098	1	HANDLE BAR ASSY	
101	27369	1	TRIGGER WELDMENT	
102	25292	1	ROLL PIN	
103	27370	1	SPACER	
104	27599	1	TORSION SPRING	
105	27366	1	LEVER WELDMENT	
106	18601	1	ROLL PIN	
107	25036	1	ON-OFF VALVE, O.C.	
108	25305	1	WIPER •	
109	25256	1	WASHER	
110	08017	2	O-RING, 7/8 X 1-1/16 X 3/32 -118 •	
111	18037	1	BALL JOINT STUD	
112	01605	4	O-RING, .644 X.818 X .087 -908 (INCL WITH ITEMS 114) •	
113	00936	2	ADAPTER	
114	03972	1	FEMALE COUPLING, PARKER	
	47436	1	FEMALE COUPLING, AEROQUIP	
115	03973	1	MALE COUPLING, PARKER	
	47437	1	MALE COUPLING, AEROQUIP	
116	18008	2	SPRING WASHER	
117	24819	1	SPRING	
118	17904	1	RETAINING RING	
119	00955	1	PIPE PLUG	
120	24289	1	PLUG	
121	28914	1	FLOW CONTROL (PRE-SET)	
122	01411	1	O-RING, .488 X .624 X .078 -906 •	
123	20145	1	STEEL BALL	
124	25005	1	VALVE BLOCK	
125	03787	1	GPM DECAL (US MODELS ONLY)	
	28811	1	INFORMATION PLAQUE (CE MODELS ONLY)	

ITEM	P/N	QTY	DESCRIPTION	
126	00144	2	CAPSCREW	
127	25842	1	WRENCH (TAPED TO FRAME)	
128	26142	1	EXTENSION BRACKET WELDMENT	
	26200	1	EXTENSION ASSY (INCL 52, 66, 89-90, & 129)	
129	11207	1	CIRCUIT "D" STICKER (CE MODELS ONLY)	
130	372155	2	DRIVE SCREW	
131	28409	1	COMPOSITE STICKER (CE MODELS ONLY)	
132	28322	1	CE STICKER (CE MODELS ONLY)	
133		-	NO ITEM	
134		-	NO ITEM	
135		-	NO ITEM	
136	29052	1	INNER GUARD (SEE SPARK GUARD & INNER	
			GUARD ILLUSTRATION PAGE FOLLOWING)	
137		-	NO ITEM	
138		-	NO ITEM	
139	29264	1	SERVICE RAM ASSY (NOT SHOWN)	
140	69772	1	SPARK GUARD (SEE SPARK GUARD & INNER GUARD ILLUSTRATION FOLLOWING)	
141	08080	2	HANDLE GRIP	
142	20647	1	104 SOUND POWER LEVEL DECAL	
	25942	1	SEAL KIT	

• Denotes part in seal kit

NOTE: Use Part Number and Part Name when ordering.

# **PG05 PARTS LIST**

ITEM	P/N	QTY	DESCRIPTION
1	25294	2	HOSE ASSEBLY
	25251	1	HYREVZ MOTOR ASSY (INCL ITEMS 4-15, 17, 18, & 20-23)
2	01604	3	O-RING •
3	25790	1	CAUTION STICKER
4	00713	2	DOWEL PIN
5	25718	2	DRIVE GEARS
6	00178	1	O-RING, 2-1/8 X 2-1/4 X 1/16 70D •
7	06316	4	BUSHING
8	19905	1	FRONT BRG HSG ASSY (INCL ITEM 7)
9	00669	1	QUAD RING •
10	19884	1	SEAL GLAND
11	00170	1	RETAINING RING
12	00148	1	BEARING
13	00166	1	RETAINING RING
14	00120	8	CAPSCREW
15	06846	1	GEAR HOUSING ASSY (INCL ITEMS 4 & 7)
16	25610	1	RAILROAD HELP DESK DECAL
17	73309	1	IDLER SHAFT KEYED
19	29715	1	NAME TAG
20	00171	1	O-RING, 11/16 X 13/16 X 1/16 70D •
21	25166	1	MOTOR SHAFT
22	06881	2	NEEDLE ROLLER
23	00708	1	RETAINING RING
24	25158	1	SPLINED COUPLING
25	02688	10	CAPSCREW
26	25099	1	RAM
27	25291	1	NEEDLE ROLLER BEARING
28	25289	2	RETAINING RING
29	25290	1	INNER RING
30	25281	1	RETAINING RING
31	25279	1	BEARING
32	27941	1	SPINDLE
33	00772	2	WOODRUFF KEY
34	25278	1	RETAINING RING
35	25280	1	OIL SEAL, 1.250 X 2.047 X .299 •
36	25419	1	DRIVE FLANGE
37	01607	1	SET SCREW
38	02179	1	NUT
39	26809	1	HAND WHEEL
40	25287	1	WIPER •
ITEM	P/N	QTY	DESCRIPTION

41	27748	1	BUSHING
42	27749	1	HOUSING
43	02900	1	ROLL PIN
44	25285	1	ADJUSTABLE HANDLE
45	25104	1	BACKUP WASHER
40		1	WIPER TYPE H •
40 47	25286	1	
	25293		
48	25103	1	THRUST WASHER
49	26810	1	SHAFT
50	25083	1	PINION GEAR
51	25283	1	ROLL PIN
52	03906	2	HEX NUT
53	02634	2	WASHER
54	00048	2	BEARING
55	26019	2	ROLLER
56			NO ITEM
57			NO ITEM
58			NO ITEM
59			NO ITEM
60			NO ITEM
61			NO ITEM
62			NO ITEM
63			NO ITEM
64			NO ITEM
65			NO ITEM
66	26202	2	CAPSCREW
67	00272	2	DOWEL PIN
68	25082	1	FEED GEAR
69	25284	1	DU BEARING
70	10888	2	CAPSCREW
71	25167	1	KEY
72	05152	1	STANLEY DECAL
73	26103	1	MAIN HOUSING
74	26215	1	CHASSIS WELDMENT
75	00007	2	BEARING
76	26045	2	ROLLER SHAFT
77	26051	2	HANGER
78	03011	4	CAPSCREW
79	00635	2	KEY
80	26059	2	PIVOT PIN ASSY
81	20059	2	CAPSCREW
82	26831	2	WASHER
83	06989	4	O-RING, -018 •
84	26090	2	BUSHING
ITEM	P/N	QTY	DESCRIPTION



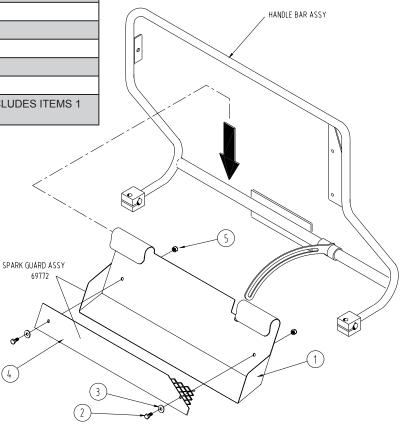
# **PG05 PARTS LIST**

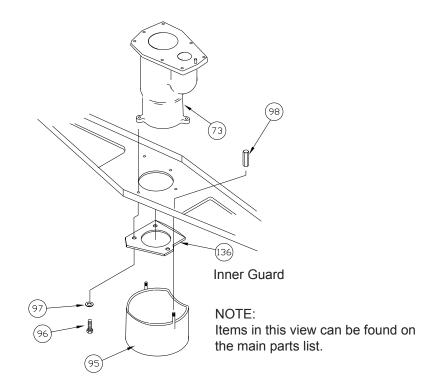
85	17668	2	ROLL PIN
86	26056	2	WHEEL PIVOT
87	26022	1	PIVOT SHAFT WHEEL
88			NO ITEM
89	12175	4	WASHER
90	26203	4	BALL BEARING
91	26046	2	ROLLER
92	26247	4	FLANGED BUSHING
93	01606	2	O-RING, -120 •
94	25277	1	WIPER •
95	26211	1	GUARD WELDMENT
96	02525	3	CAPSCREW
97	26248	3	LOCK WASHER
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102	25292	1	ROLL PIN
103	27370	1	SPACER
104	27599	1	TORSION SPRING
105	27366	1	LEVER WELDMENT
106	18601	1	ROLL PIN
107	25036	1	ON-OFF VALVE, O.C.
108	25305	1	WIPER •
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118	17904	1	RETAINING RING
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123	20145	1	STEEL BALL
124	25005	1	VALVE BLOCK
125	03787	1	GPM DECAL
ITEM	P/N	QTY	DESCRIPTION
126	00144	2	CAPSCREW
127	25842	1	WRENCH (TAPED TO FRAME)

128	26142	1	EXTENSION BRACKET WELDMENT
	26200	1	EXTENSION ASSY (INCL 52, 66, 89-90, & 129)
129		-	NO ITEM
130		-	NO ITEM
131		-	NO ITEM
132		-	NO ITEM
133		-	NO ITEM
134		-	NO ITEM
135		-	NO ITEM
136	29052	1	INNER GUARD (SEE SPARK GUARD & INNER GUARD ILLUSTRATION PAGE FOLLOWING)
137		-	NO ITEM
138		-	NO ITEM
139	29264	1	SERVICE RAM ASSY (NOT SHOWN)
140	69772	1	SPARK GUARD (SEE SPARK GUARD & INNER GUARD ILLUSTRATION PAGE FOLLOWING)
141	08080	2	HANDLE GRIP
	25942	1	SEAL KIT

# **SPARK GUARD & INNER GUARD**

ITEM #	P/N	QTY	DESCRIPTION
1	00719	2	NYLOCK NUT
2	29920	2	CAPSCREW
3	02259	2	WASHER
4	69755	1	SPARK GUARD
5	69767	1	SPARK SCREEN
	69772	1	SPARK GUARD ASSY (INCLUDES ITEMS 1 THRU 5)





# **STANLEY**<sub>®</sub>

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