

STANLEY®

GD50 HYDRAULIC GROUND ROD DRIVER



USER MANUAL Safety, Operation and Maintenance



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New Britain, CT 06053
U.S.A.
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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.

⚠ 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 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 GD50 Hydraulic Rod Driver 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 tool and hoses before operation. Failure to do so could result in personal injury or equipment damage.

- To avoid personal injury or equipment damage, all tool repair, maintenance and service must only be performed by authorized and properly trained personnel.
- Always replace parts with replacement parts recommended by Stanley Hydraulic Tools.
- Check fastener tightness often and before each use daily.



- Operator must start in a work area without bystanders. The operator must be familiar with all prohibited work areas such as excessive slopes and dangerous terrain conditions.
- Establish a training program for all operators to ensure safe operation.
- Do not operate the tool unless thoroughly trained or under the supervision of an instructor.
- Always wear safety equipment such as goggles, ear and head protection, and safety shoes at all times when operating the tool.
- 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.
- 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 a damaged, improperly adjusted, or incompletely assembled rod driver.
- Do not weld, cut with an acetylene torch, or hardface the rod driver anvil or guide housing.

TOOL STICKERS & TAGS

GD50 ROD DRIVER

FLOW: 26-34 LPM/7-9 GPM
 PRESS: 105-140 BAR
 1500-2000 PSI
 ACCUMULATOR CHG:
 42 BAR/600 PSI NITROGEN



STANLEY[®]
 Stanley Hydraulic Tools
 Division of The Stanley Works
 3810 SE Naef Road
 Milwaukie, Oregon 97267 USA

37425
 Name Tag

NOTE:

THE INFORMATION LISTED ON THE STICKERS SHOWN, MUST BE LEGIBLE AT ALL TIMES.

REPLACE DECALS IF THEY BECOME WORN OR DAMAGED. REPLACEMENTS ARE AVAILABLE FROM YOUR LOCAL STANLEY DISTRIBUTOR.

The safety tag (P/N 15875) at right is attached to the tool when shipped from the factory. Read and understand the safety instructions listed on this tag before removal. We suggest you retain this tag and attach it to the tool when not in use.

D A N G E R

1. FAILURE TO USE HYDRAULIC HOSE LABELED AND CERTIFIED AS NON-CONDUCTIVE WHEN USING HYDRAULIC TOOLS ON OR NEAR ELECTRICAL LINES MAY RESULT IN DEATH OR SERIOUS INJURY.
 BEFORE USING HOSE **LABELED AND CERTIFIED AS NON-CONDUCTIVE** ON OR NEAR ELECTRICAL LINES BE SURE THE HOSE IS **MAINTAINED AS NON-CONDUCTIVE**. THE HOSE SHOULD BE REGULARLY TESTED FOR ELECTRIC CURRENT LEAKAGE IN ACCORDANCE WITH YOUR SAFETY DEPARTMENT INSTRUCTIONS.
2. A HYDRAULIC LEAK OR BURST MAY CAUSE OIL INJECTION INTO THE BODY OR CAUSE OTHER SEVERE PERSONAL INJURY.
 - A. **DO NOT** EXCEED SPECIFIED FLOW AND PRESSURE FOR THIS TOOL. EXCESS FLOW OR PRESSURE MAY CAUSE A LEAK OR BURST.
 - B. **DO NOT** EXCEED RATED WORKING PRESSURE OF HYDRAULIC HOSE USED WITH THIS TOOL. EXCESS PRESSURE MAY CAUSE A LEAK OR BURST.
 - C. CHECK TOOL HOSE COUPLERS AND CONNECTORS DAILY FOR LEAKS. **DO NOT** FEEL FOR LEAKS WITH YOUR HANDS. CONTACT WITH A LEAK MAY RESULT IN SEVERE PERSONAL INJURY.

I M P O R T A N T

READ OPERATION MANUAL AND SAFETY INSTRUCTIONS FOR THIS TOOL BEFORE USING IT.

USE ONLY PARTS AND REPAIR PROCEDURES APPROVED BY STANLEY AND DESCRIBED IN THE OPERATION MANUAL.

TAG TO BE REMOVED ONLY BY TOOL OPERATOR.

SEE OTHER SIDE

D A N G E R

- D. DO NOT LIFT OR CARRY TOOL BY THE HOSES. DO NOT ABUSE HOSE. DO NOT USE KINKED, TORN OR DAMAGED HOSE.
3. MAKE SURE HYDRAULIC HOSES ARE PROPERLY CONNECTED TO THE TOOL BEFORE PRESSURING SYSTEM. SYSTEM PRESSURE HOSE MUST ALWAYS BE CONNECTED TO TOOL "IN" PORT. SYSTEM RETURN HOSE MUST ALWAYS BE CONNECTED TO TOOL "OUT" PORT. REVERSING CONNECTIONS MAY CAUSE REVERSE TOOL OPERATION WHICH CAN RESULT IN SEVERE PERSONAL INJURY.
4. DO NOT CONNECT OPEN-CENTER TOOLS TO CLOSED-CENTER HYDRAULIC SYSTEMS. THIS MAY RESULT IN LOSS OF OTHER HYDRAULIC FUNCTIONS POWERED BY THE SAME SYSTEM AND/OR SEVERE PERSONAL INJURY.
5. BYSTANDERS MAY BE INJURED IN YOUR WORK AREA. KEEP BYSTANDERS CLEAR OF YOUR WORK AREA.
6. WEAR HEARING, EYE, FOOT, HAND AND HEAD PROTECTION.
7. TO AVOID PERSONAL INJURY OR EQUIPMENT DAMAGE, ALL TOOL REPAIR MAINTENANCE AND SERVICE MUST ONLY BE PERFORMED BY AUTHORIZED AND PROPERLY TRAINED PERSONNEL.

I M P O R T A N T

READ OPERATION MANUAL AND SAFETY INSTRUCTIONS FOR THIS TOOL BEFORE USING IT.

USE ONLY PARTS AND REPAIR PROCEDURES APPROVED BY STANLEY AND DESCRIBED IN THE OPERATION MANUAL.

TAG TO BE REMOVED ONLY BY TOOL OPERATOR.

SEE OTHER SIDE

SAFETY TAG P/N 15875 (Shown smaller than 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.*

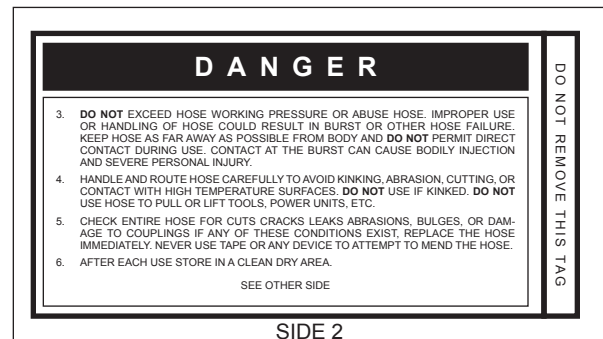
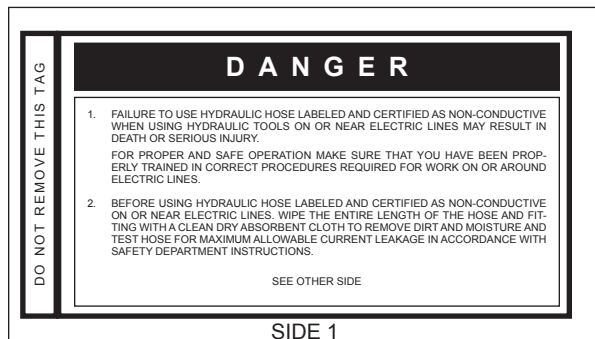
Fabric-braided (not certified or labeled non-conductive) — constructed of thermoplastic or synthetic rubber inner tube, synthetic fiber braid reinforcement, and weather resistant thermoplastic or synthetic rubber cover. *This hose is **not certified non-conductive** and must never be used near electrical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

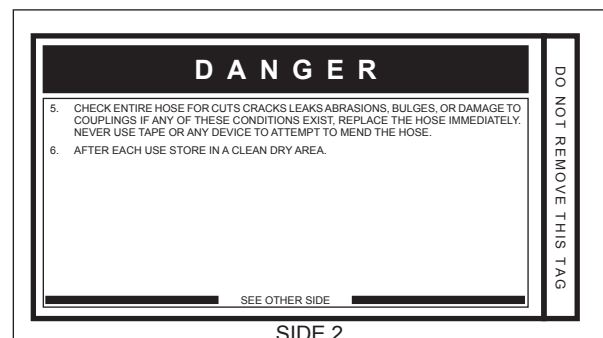
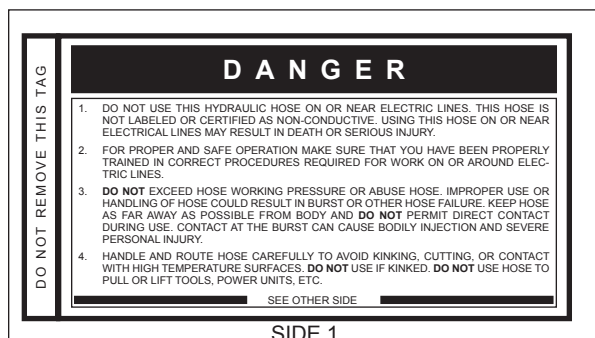
If the information on a tag is illegible because of wear or damage, replace the tag immediately. A new tag may be obtained from your Stanley Distributor.

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)

HOSE RECOMMENDATIONS

Tool to Hydraulic Circuit Hose Recommendations

The chart to the right shows recommended minimum hose diameters for various hose lengths based on gallons per minute (gpm)/liters 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 hydraulic tool applications only based on Stanley Hydraulic 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 maximum hydraulic system relief valve setting.

All hydraulic hose must meet or exceed specifications as set forth by SAE J517.

Oil Flow		Hose Lengths		Inside Diameter		USE (Press/Return)	Min. Working Pressure	
GPM	LPM	FEET	METERS	INCH	MM		PSI	BAR
Certified Non-Conductive Hose - Fiber Braid - for Utility Bucket Trucks								
4-9	15-34	up to 10	up to 3	3/8	10	Both	2250	155
Conductive Hose - Wire Braid or Fiber Braid - DO NOT USE NEAR ELECTRICAL CONDUCTORS								
4-6	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
5-10.5	19-40	100-300	30-90	5/8	16	Pressure	2500	175
10-13	38-49	up to 50	up to 15	3/4	19	Return	2500	175
10-13	38-49	51-100	15-30	5/8	16	Both	2500	175
10-13	38-49	100-200	30-60	3/4	19	Pressure	2500	175
13-16	49-60	up to 25	up to 8	5/8	16	Return	2500	175
13-16	49-60	26-100	8-30	3/4	19	Pressure	2500	175
				1	25.4	Return	2500	175
				5/8	16	Pressure	2500	175
				3/4	19	Return	2500	175
				3/4	19	Pressure	2500	175
				1	25.4	Return	2500	175

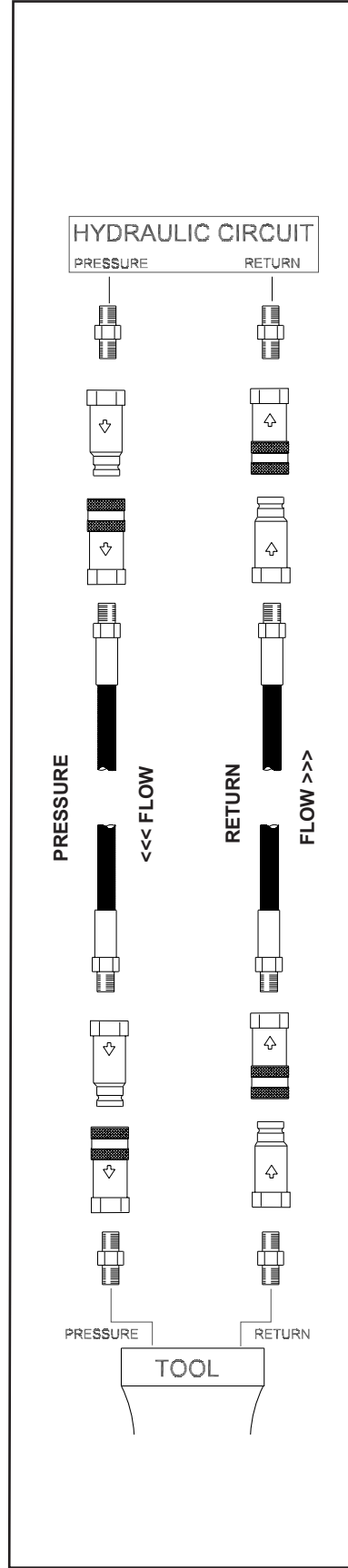


Figure 1. Typical Hose Connections

HTMA / EHTMA REQUIREMENTS

HTMA / EHTMA REQUIREMENTS

HTMA

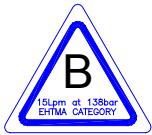




HYDRAULIC SYSTEM REQUIREMENTS

TOOL TYPE

	TYPE I	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	3 hp (2.24 kW) 40° F (22° C)	5 hp (3.73 kW) 40° F (22° C)	6 hp (5.22 kW) 40° F (22° C)	7 hp (4.47 kW) 40° F (22° C)
NOTE: Do not operate the tool at oil temperatures above 140° F (60° C). Operation at higher temperatures can cause operator discomfort at the tool.				
Filter Min. full-flow filtration Sized for flow of at least: (For cold temp. startup and max. dirt-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) Viscosity (at min. and max. operating temps)	100-400 ssu*	100-400 ssu* (20-82 centistokes)	100-400 ssu*	100-400 ssu*
NOTE: When choosing hydraulic fluid, the expected oil temperature extremes that will be experienced in service determine the most suitable temperature viscosity characteristics. Hydraulic fluids with a viscosity index over 140 will meet the requirements over a wide range of operating temperatures.				
*SSU = Saybolt Seconds Universal				

EHTMA HYDRAULIC SYSTEM REQUIREMENTS

CLASSIFICATION

					
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 (at the power supply outlet)	1870 psi (129 bar)	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)	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

PRE-OPERATION PROCEDURES

PREPARATION FOR INITIAL USE

Each unit as shipped has no special unpacking or assembly requirements prior to usage. Inspection to assure the unit was not damaged in shipping and does not contain packing debris is all that is required.

CHECK HYDRAULIC POWER SOURCE

1. Using a calibrated flowmeter and pressure gauge, check that the hydraulic power source develops a flow of 7–9 gpm/26–34 lpm for HTMA Type II tools/EHTMA category D at 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) operation.

CHECK TOOL

1. Make sure the tool contains the correct anvil for the rod size to be driven. Use the 5/8 inch anvil (standard in the model GD50132RF Rod Driver) for 5/8 inch diameter rod. Use the 1 inch anvil (standard in the model GD50133RF Rod Driver) for 3/4 inch to 1 inch diameter rod. Failure to use the correct anvil with the appropriate rod size 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.

CONNECT 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 rod driver. It is a good practice to connect the return hose first and disconnect it last to minimize or avoid trapped pressure within the rod driver.
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. Move the hydraulic circuit control valve to the **ON** position.
3. Place the anvil of the rod driver over the rod to be driven.
4. Ensure adequate down pressure is applied to the rod driver before starting the rod driver. To start the rod driver, press the button on the control valve to the **ON** position. Adequate down pressure is very important. When you wish to stop the tool, press the button on the control valve to the **OFF** position.

INLINE CONTROL VALVE OPERATION

The 38632 Inline Control Valve is designed to provide the ON/OFF functions for a hydraulic tool connected to either an OPEN CENTER (OC) hydraulic system or an CLOSED CENTER (CC) hydraulic system. The valve is to be used with tools which do not have an ON/OFF trigger control. The 38632 Control Valve can be used on hydraulic systems producing up to 10 gpm/38 lpm with a maximum relief valve setting of 2500 psi/172 bar. The valve ports are -8 SAE (3/4-16 thread) O-ring ports.

SETTING FOR OPEN CENTER (OC) OR CLOSED CENTER (CC)

Set the valve to OC or CC before connecting it to the hydraulic system. To set the valve for open center operation, use a straight blade screw driver to turn the selector screw counter clockwise until it stops. To set the valve for closed center operation, turn the selector screw clockwise until it stops.

⚠ WARNING

Be sure you know if you have an OPEN CENTER (OC) OR CLOSED CENTER (CC) hydraulic system, DO NOT attempt to install or operate the 38632 Valve until you do. Incorrect installation or operation of the valve can result in seal failures in the tool, cause excessive heat in the hydraulic system, and may damage the tool and hydraulic system. Understand which type of hydraulic system you are using before installing or operating this valve.

OPERATION

INSTALLING THE VALVE

Connect the valve to the hydraulic system as shown in Figure 2.

OPERATING THE VALVE

Connect the valve to the tool using the illustration below as a guide. Make sure the valve spool on the valve is pushed **OFF** before connecting the valve to the hydraulic system. Make sure the hydraulic system is **OFF** before connecting the valve to the hydraulic system. Connect the valve to the hydraulic system. Turn **ON** the hydraulic system. Place the tool to be operated in its operating position. Push the valve spool **ON** to begin operating the tool. Push the valve spool **OFF** to stop operating the tool. Turn the hydraulic system **OFF** before disconnecting the valve.

COLD WEATHER OPERATION

If the rod driver is to be used during cold weather, pre-heat the hydraulic fluid at low engine speed. When using the normally recommended fluids, fluid temperature should be at or above 50 °F/10 °C (400 ssu/82 centistokes) before use.

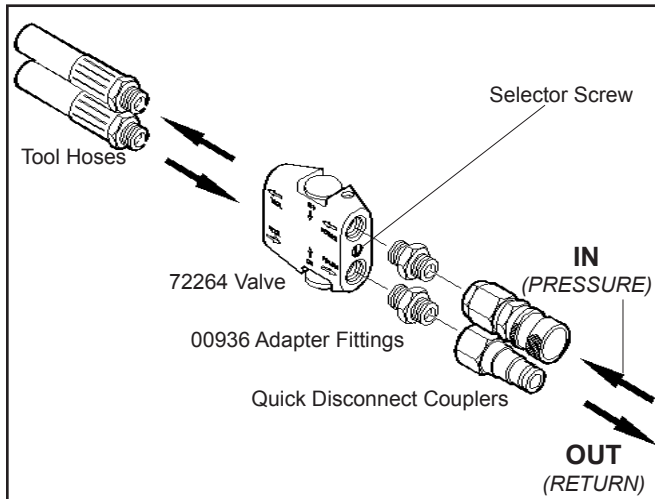


Figure 2. Connecting the Valve

CHARGING THE ACCUMULATOR

To check or charge the accumulator the following equipment is required:

- Charge kit (Part Number 31254) Includes the following:
 - Accumulator tester (P/N 02835).
 - Charge assembly (P/N 15304). Includes a liquid-filled gauge with snub valve, hose and fittings.
 - NITROGEN bottle with a 800 psi/56 bar minimum charge (not a part of 31254 kit).
1. Holding the chuck end of the Stanley tester (P/N 02835), turn the gauge fully counterclockwise to ensure the stem inside the chuck is completely retracted.
 2. Thread the tester onto the charging valve of the tool accumulator (do not advance the gauge-end into the chuck end. Turn as a unit). Seat the chuck on the accumulator charging valve by hand tightening only.
 3. Advance the valve stem by turning the gauge-end clockwise.
 4. Connect the charging assembly to the valve on the tester.
 5. Adjust the regulator on the nitrogen bottle to 600 psi/42 bar.

NOTE:

It may be necessary to set the regulator at 650–700 psi/41–48 bar to overcome any pressure drop through the charging system.

6. Open the valve on the charging assembly hose. When the tester gauge reads 600–700 psi/41–48 bar, close the valve on the charging assembly hose and remove the charging assembly.
7. Turn the gauge end of the tester fully counterclockwise to retract the plunger in the chuck. Remove the tester from the charge valve.
8. Replace the valve cap.

TESTING THE ACCUMULATOR PRESSURE

1. Follow Steps 1 through 3 under CHARGING THE ACCUMULATOR.
2. Read the pressure on the gauge. It should be between 500–700 psi/35–48 bar.
3. If the pressure is low, recharge the tool.

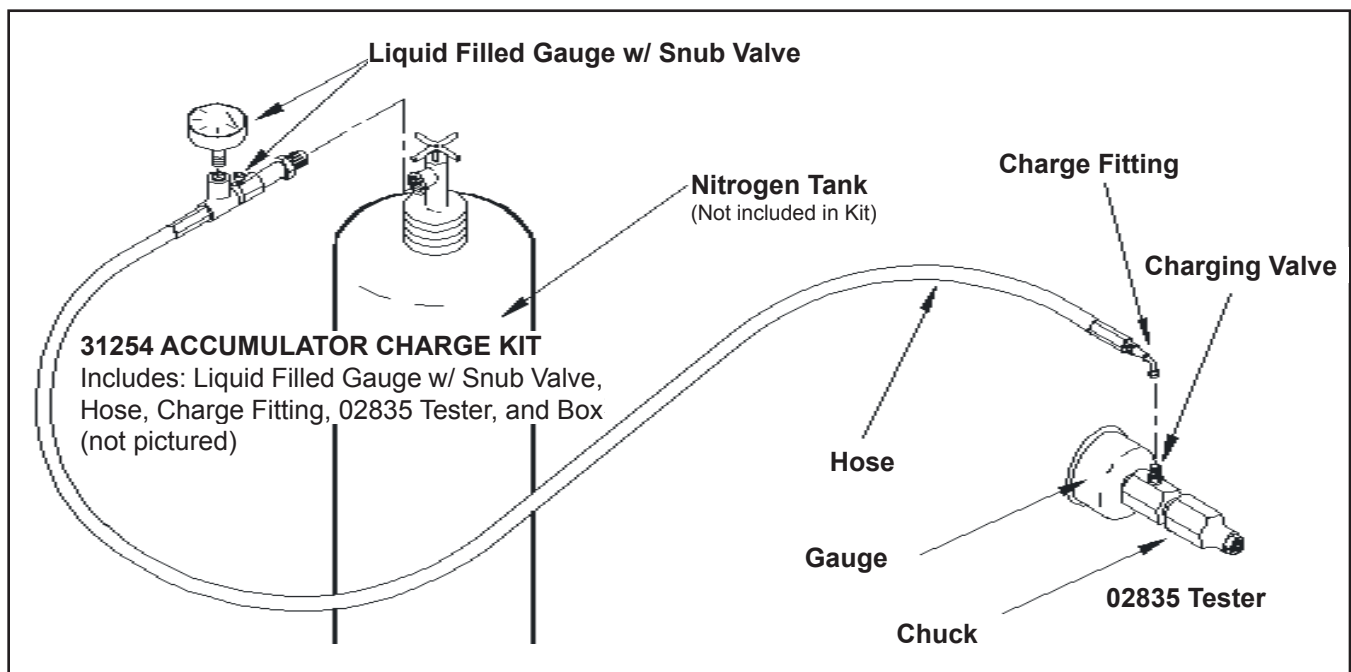


Figure 3. Charging the Accumulator

TOOL PROTECTION & CARE

NOTICE

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 couples 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 spike driver, always check that the hydraulic power source is supplying the correct hydraulic flow and pressure to the spike driver 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
Rod driver does not run.	Power unit not functioning.	Check power unit for proper flow and pressure (7–9 gpm/26–34 lpm at 2000 psi/140 bar).
	Couplers or hoses blocked.	Remove restriction.
	Pressure and return line hoses reversed at ports.	Be sure hoses are connected to their proper ports.
	Mechanical failure of piston or automatic valve.	Have inspected and repaired by an authorized dealer.
Rod driver does not hit effectively.	Power unit not functioning.	Check power unit for proper flow and pressure (7–9 gpm/26–34 lpm at 2000 psi/140 bar).
	Couplers or hoses blocked.	Remove restriction.
	Low accumulator charge (pressure hose will pulse more than normal).	Have recharged by an authorized dealer.
	Fluid too hot (above 140 °F/60 °C).	Provide cooler to maintain proper fluid temperature.
	Rod anvil is not sliding freely in the anvil guide.	Remove, clean and replace as necessary.
Rod driver operates slow.	Low oil flow from power unit.	Check power source for proper flow.
	High back-pressure.	Check hydraulic system for excessive back-pressure and correct as required.

SPECIFICATIONS

Capacity (Rod Anvil)

1/2 to 5/8 inch/12 to 16 mm diameter rod (model GD50132RF)

3/4 to 1 inch/19 to 25 mm diameter rod (model GD50133RF)

Pressure Range.....	1500–2000 psi/105–140 bar
Maximum Back Pressure.....	250 psi/17 bar
Flow Range	7–9 gpm/26–34 lpm
Couplers	HTMA/EHTMA Flush Face Type Male & Female
Hose Whips	Yes
Weight	57.3 lbs./26 kg
Overall Length	25.5 inches/64.8 cm
Overall Width	10 inches/25.4 cm
Maximum Fluid Temperature	140 °F/60 °C

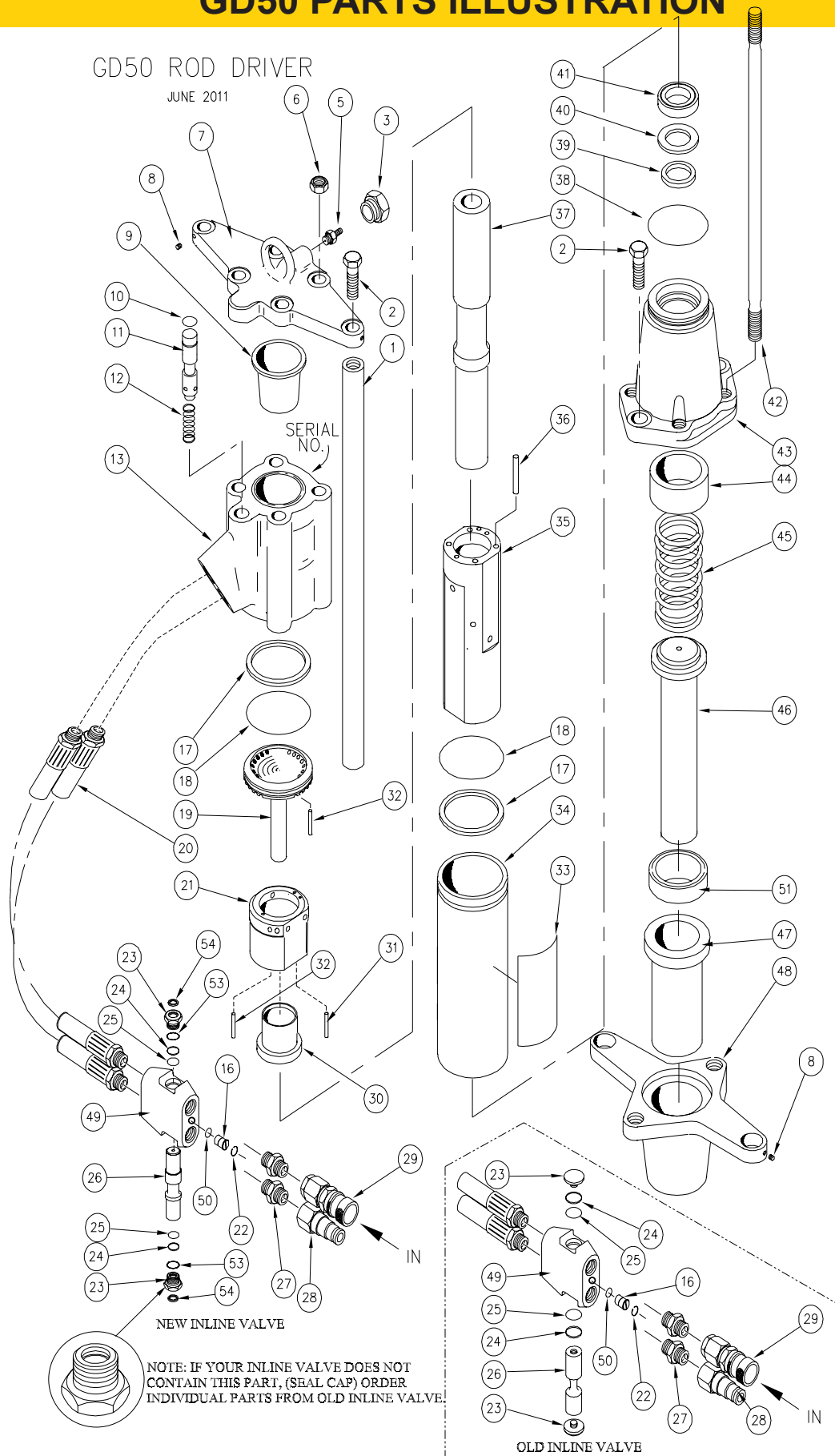
SERVICE TOOLS

DESCRIPTION	PART NUMBER
O-ring Tool Kit: General Service of Seals	04337
Split Rings: Used with 04910.....	04908
Flow Sleeve Removal Tool	04919
Flow Sleeve Removal Tube: Used with 04908 & 05508.....	04910
Bearing Puller Kit: General Bearing Pulling.....	05064
Accumulator Disassembly Tool: Used with 04910.....	05508
Tamper Sleeve Tool: Used to Pull Porting Block from Valve Block.....	01120
Accumulator Cylinder Puller: An Aluminum Disk (handy for protecting parts when using an arbor press.....	05640

GD50 PARTS ILLUSTRATION

GD50 ROD DRIVER

JUNE 2011



GD50 PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	35770	2	HANDLE BAR
2	370351	4	CAPSCREW
3	07493	1	O-RING PLUG-MALE
4	05243	1	ORIFICE PLUG (INCL W/ ITEM 13)
5	20499	1	CHARGE VALVE
6	04374	4	LOCK NUT
7	15190	1	TOP PLATE
8	00720	4	SET SCREW
9	07479	1	DIAPHRAGM
10	00293	1	O-RING
11	15188	1	VALVE SPOOL
12	04058	1	SPRING
13	11588	1	ACCUMULATOR VALVE BLOCK
16	10536	1	SELECTOR SCREW
17	04381	2	BACK-UP RING
18	04379	2	O-RING
19	04378	1	PORTING BLOCK
20	35784	2	HOSE ASSY
21	07480	1	AUTOMATIC VALVE BODY
22	16070	1	RETAINING RING
23	56749	2	SEAL CAP (NEW INLINE VALVE)
	01003	2	VALVE BUTTON (OLD INLINE VALVE)
24	07224	2	BACK-UP RING (NEW INLINE VALVE)
	13568	2	BACK-UP RING (OLD INLINE VALVE)
25	07626	2	O-RING (NEW INLINE VALVE)
	13567	2	O-RING (OLD INLINE VALVE)
26	67008	1	VALVE SPOOL (NEW INLINE VALVE)
	38631	1	VALVE SPOOL (OLD INLINE VALVE)
27	00936	2	ADAPTOR
28	03973	1	MALE COUPLER BODY
29	03972	1	FEMALE COUPLER BODY
	03971	1	COUPLER SET
30	04382	1	AUTOMATIC VALVE
31	04571	2	PUSH PIN
32	02900	2	ROLL PIN
33	37425	1	NAME TAG
34	04383	1	FLOW SLEEVE TUBE
35	04384	1	FLOW SLEEVE
36	04605	4	PUSH PIN
37	04954	1	PISTON
38	02022	1	O-RING
39	04387	1	WIPER RING
40	04780	1	BACK-UP WASHER
41	04386	1	CUP SEAL
42	12139	4	SIDE ROD

ITEM	PART NO.	QTY	DESCRIPTION
43	43527	1	ADAPTOR BLOCK
44	12143	1	UPPER ANVIL STOP
45	12146	1	SPRING
46	36106	1	ROD ANVIL, 5/8 INCH RODS (MODEL GD50132RF)
	35751	1	ROD ANVIL, 3/4 TO 1 IN. RODS (MODEL GD50133RF)
47	65812	1	ANVIL GUIDE
48	35753	1	GUIDE HOUSING
49	67007	1	VALVE BODY ASSY. (NEW INLINE VALVE)
	38629	1	VALVE BODY ASSY. (OLD INLINE VALVE)
50	00026	1	O-RING
51	65813	1	BUMPER
52	371071	2	WASHER
53	01604	2	O-RING (NEW INLINE VALVE)
54	56747	2	SEAL WIPER (NEW INLINE VALVE)

Model GD50132RF—1/2 and 5/8 inch rods.

Model GD50133RF—3/4 and 1 inch rods.

Verify the correct model number before ordering.

Seal Kit

GD50 Rapid Fire Model—04595

All Other GD50 Models—13552

Read Before Ordering Inline Valve Parts:

Inline Valve Assembly (OC-CC) - 72264

Includes Items (16, 22 thru 26, 49, 50, 53, and 54)

The inline valve changed around June 2011. To determine if you have the old or new inline valve, see parts illustration.

NOTE: Individual parts are still available for the older inline valve but if replacing the entire inline valve assy, you must order the new inline valve assy P/N-72264.

STANLEY®

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