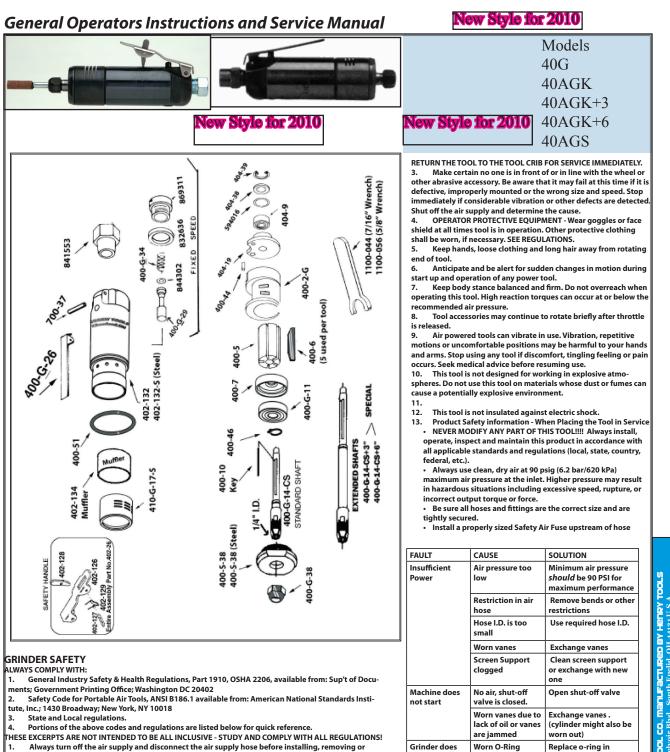


**THE HERRY TOOL CO., MANUFACTURED BY HERRY TOOLS** 498 So. Belvoir Blvd., South Euclid, OH 44121 U.S.A. Ph: (216) 291-1011 or (800) 826-5257 • Fax: (216) 291-5949 or (800) 303-2800 Email: daviidh@msn.com • Website: www.Henrytools.com



adjusting any accessory on this tool, or before performing any maintenance on this tool. 2. After mounting a wheel or other abrasive accessory, the Grinder shall be run in a protected enclo-

sure, at gradually increasing speed, for at least 60 seconds. When starting work with a cold wheel, apply it gradually to the workpiece until it becomes warm. Do not continue to use a grinder if: • The speed rating of the accessory is less than the speed of the grinder

- If tool vibrates repair immediately.
- You sense changes in tool speed or an unusual increase in noise that would indicate tool is running
- at excessive speed.
- You notice excessive end play in spindle
- You hear any unusual sound from grinder

. Danger!

Bearings worn out

handle (844302) for

**Disconnect tool from** 

mediate servicing is

the air supply. Im-

(216) 291-10 Email:

Ph:

example.

required.

not want to

wobbles or

stop

Spindle

vibrates.

# **General Operators Instructions and Service Manual**

## New Style for 2010





Models 40G 40GK 40AGK+3 40AGK+6 40AGS

PART	DESCRIPTION
200-16	O-RING
400-G-11	FRONT BEARING
400-G-14-CS	COLLET SPINDLE (STANDARD LENGTH)
400-G-14-CS+3	3" EXTENDED COLLET SPINDLE
400-G-14-CS+6	6" EXTENDED COLLET SPINDLE
400-G-26	THROTTLE LEVER
400-G-29	THROTTLE VALVE-INCLUDES 844302
400-G-34	SPRING
400-G-38	COLLET NUT
400-2G	CYLINDER
400-5	ROTOR
400-6	BLADE (5 REQ)
400-7	FRONT ENDPLATE
400-10	KEY
400-44	ROLL PIN
400-46	SNAP RING
400-51	O-RING
402-26	SAFETY LEVER (ASSEMBLED COMPLETE)
402-126	SAFETY LEVER
402-127	SAFETY LEVER PIN
402-128	LOCKOUT LEVER
402-129	SAFETY LEVER SPRING
402-132	ALUMINUM CASE (SPECIFY SPEED)
402-132-S	STEEL CASE (SPECIFY SPEED)
402-132-S-FT	STEEL FLOW THRU CASE (SPECIFY SPEED) (special)
402-134	MUFFLER
404-9	REAR BEARING
404-19	REAR ENDPLATE
404-38	BEARING COVER
404-39	SNAP RING
410-G-17-S	STEEL SIDE EXHAUST SLEEVE
400-S-38	ALUMINUM MOTOR RETAINER
400-S-38-S	STEEL MOTOR RETAINER
700-37	THROTTLE LEVER PIN
592016	SNAP RING
594016	O-RING
832636	GASKET
841552	3/8 NPT TO 3/8 NPT BUSHING
841553	3/8 NPT TO 1/4 NPT BUSHING
844302	O-RING
869311	THROTTLE VALVE CAP
1100-044	7/16″ WRENCH
1100-063	5/8" WRENCH
ASSEMBLIES	
510240	REPAIR KIT
402-26	SAFETY LEVER ASSY. (COMPLETE)

PART	DESCRIPTION
AA-402-132	ALUMINUM CASE ASSY.
AA-402-132-K	ALUMINUM SAFETY CASE ASSY. (with SAFETY LOCK HANDLE)
AA-402-132-S	STEEL CASE ASSY.
AA-402-132-SK	STEEL SAFETY CASE ASSY. (with SAFETY LOCK HANDLE)
ACCESSORIES	
300-16	1/4" TO 1/8" COLLET ADAPTER
500-16	1/4 TO 1/8 COLLET ADAPTER

**THE HENRY TOOL CO., MENUFECTURED B** 498 So. Belvoir Bivd., South Euclid, OH 4 Ph: (216) 291-101 or (800) 826-5555 T Fax: (210) 291-Emotil Antithémen com A Verbeir, usee

New Style for 2010

## General Operators Instructions and Service Manual

## w Style for 2010





## Models 40G 40GK 40AGK+3 40AGK+6 40AGS

#### SERVICE INSTRUCTIONS DISASSEMBLY

I.Model 40AGL with collet spindle remove collet nut (400-G-38) with 5/8" wrench and 7/16" wrench. 2. Clamp the flats of case [420-132) in a vise. Remove nut (400-S-38). Remove exhaust sleeve (410-G-17-S) and O-ring (400-51).Pull out entire motor assembly. Remove everything from vise. 3. Remove snap ring (404-39) with type 01 pliers. Remove (592016) snap ring. Lift out wafer(404-38) and o-ring (594016).

4. With brass or aluminum jawed vise, grasp the O.D. of the cylinder (400-2-G) and end plate (404-19) lightly. Using a 3/16" punch, tap lightly on rear of (400-G-14-CS)spindle to release it from bearing (404-19), being careful not to drop spindle assembly when it is free.

5. Remove the rotor (400-5), blades (400-6), key (400-10) and front thrust plate(400-7).

6. Remove snap ring (400-46) with type 02 pliers. Place bearing and spindle assembly (threaded end down) on suitable drill block. Press spindle through the bearing (400-G-11) with an arbor press. 7 To check throttle valve. unscrew plug (869311) and lift out valve spring (400-G-34) and plunger (400-G-29). Remove o-ring (400-G-31) and replace if cracked or worn.

### REASSEMBLY

1. Support front bearing (400-G-II) on suitable drill block. Press spindle [400-G-14-CS] through bearing (400-G-11) until it bottoms on shoulder. 2. With type 02 pliers place the snap ring (400-46) into the groove. Slide on front thrust (400-7) over the arbor and onto the front bearing. 3. Place the key (400-10) into the slot in the spindle. Slide rotor(400-5) over spindle, aligning the keyway in the rotor with the key in spindle. 4. Place five blades (400-6) in slots of rotor. Slip cylinder [400-2(G)] over rotor. Install rear thrust[404-19]. (Carefully locate cylinder in the smaller hole of the rear thrust.)

5. Place bearing (404-9) in rear thrust and tap bearing in with suitable bearing driver.

6. Place o-ring(594016) into rear end plate. Then install snap ring (592016) into spindle groove. Place bearing cover (404-38) into rear thrust plate. Place snap ring(404-39) into groove of rear end plate.

7. Slip motor assembly in case (402-132-S) . Secure motor housing (402-132) in vise vertically with spindle of tool toward upward direction. Clamp onto the flats toward the rear of the motor housing. 8. Place o-ring (400-51), exhaust screen (402-134) and exhaust deflector (410-G-17-S) onto motor

### housing.

9. Install motor retainer (410-S-38-S) and tighten firmly. CAUTION: CHECK TOOL FOR SPEED WITH TACHOMETER. THE SPEED STAMPED ON TOOL MUST BE AT OR ABOVE THE ACTUAL SPEED OF THE TOOL. Additional information on safety is available in the "American National Safety Code for Portable Air Tools" (ANSI BI86.1). This bulletin is available from the American Standards Institute, Inc., 1430 Broadway, New York, N.Y. 10018. **40AGL SERVICE INSTRUCTIONS** 

This tool is designed to operate on 90 psi (6.2 bar) maximum air pressure with 1/4 (8 mm) hose.

Do not use a grinder without recommended wheel guard. Do not use any wheel or carbide burr for which the operating speed listed is lower than the actual free speed labeled on the grinder.

### SAFETY

1. Before operation check spindle speed with a tachometer. If the RPM's exceed the rated speed stamped on tool, servicing is required.

2. The 40GL die grinders are intended for use with mounted wheels, points and carbide burrs. They are not quarded for type 1 wheels. If you have a type 1 wheel application, please purchase a wheel guard or

another tool if that tool won't accommodate a guard.

6. At least one-half of the mandrel length (i.e. mounted wheel, burr, etc.) must be inserted into the collet. Secure collet chuck tightly.

7. Safety levers are available from the manufacturer (402-26).

8. Before mounting or removing a wheel disconnect grinder from air supply. The wheel should fit properly on arbor; do not use bushings or wheel flanges to adapt a wheel to any arbor unless recommended by manufacturer.(Wheel flanges should be at least (1/3 the diameter of the grinding wheel.) Wear safety goggles and other protective clothing. (See regulations.)

10. Properly maintained air tools are less likely to fail

or cause accidents. If tool vibrates or produces an unusual sound, repair immediately.

### LUBRICATION

1. An air line filter-regulator-lubricator should be located as closely as possible to the tool.

2. Clean out dirt and moisture from air hoses daily.

Keep screen handle bushing in tool.

3. OIL TOOLS DAILY. Exxon's Spinesstic 10, Atlantic

Richfield's Duro 55, Gulf's Gulfspin 10 or an equivalent is recommended. Pour about 1 tablespoon in air inlet and run tool to allow oil to be carried to the interior.



