

# HENRY AIRTOOLS

American Made Industrial Tools

## MODELS

4117AG

4117AGS



## General Safety and Maintenance Manual



## FRONT EXHAUST DIE GRINDER



Model Number	Exhaust Direction	Throttle Type	Speed	Power Output	Case Material	Weight		Length	Diameter	Air Consumption	Collet Size
						Aluminum	Steel				
4117AG	FRONT	(L) Lever or (K) Safety Lever	15000 to 22000 R.P.M. (22000RPM is Standard)	0.9 H.P. 675 W	Alum	1.5 lb/ 0.7 Kg	2.0 lb/0.9 Kg	6.4 inch/ 162 mm	1.6 inches 41 mm	25cfm 11.8 L/S	1/8", 1/4" 5/16", 3/8, 6mm, or 8mm
4117AGS					Steel						
					Steel						

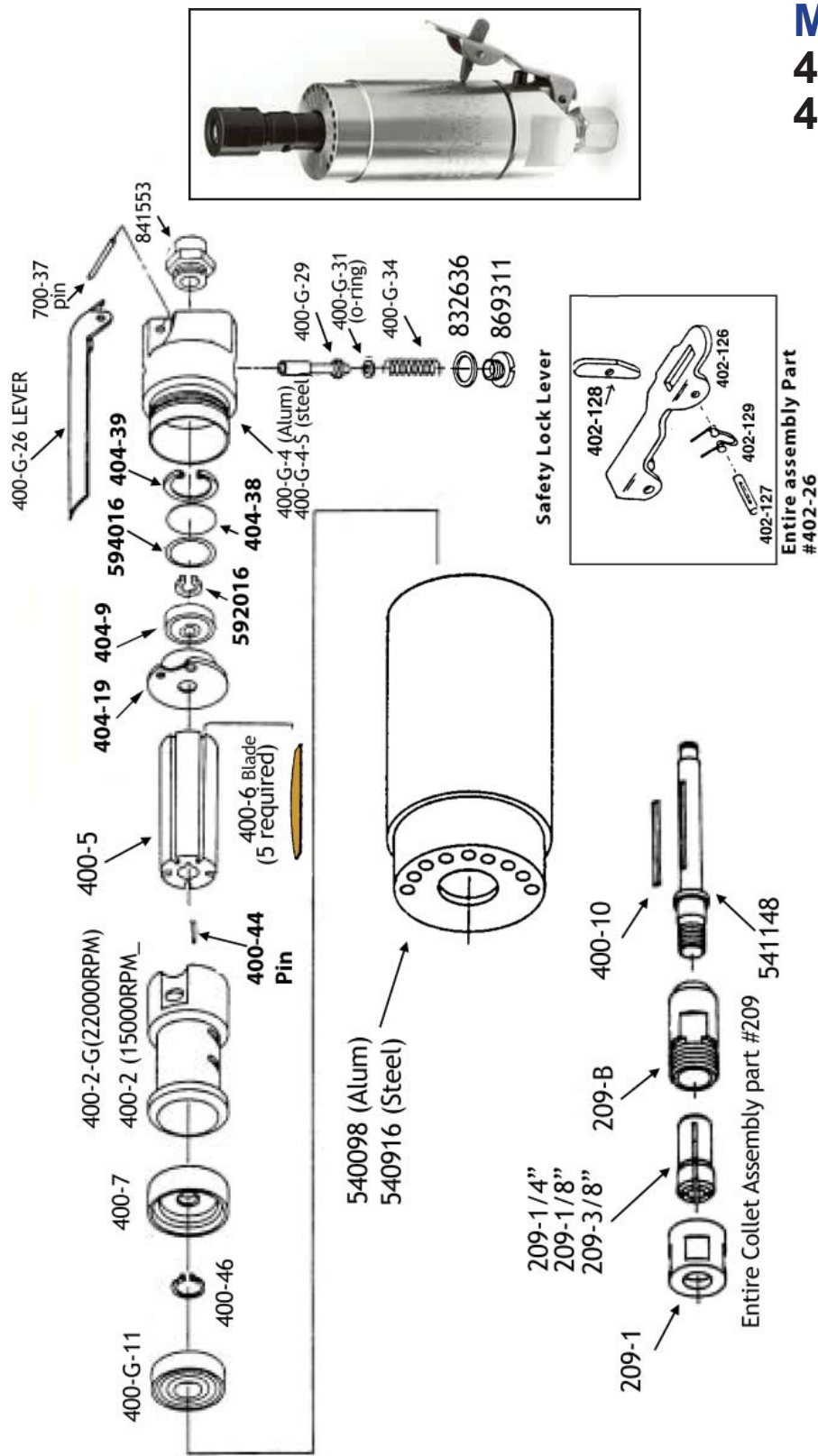
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PART	DESCRIPTION
209	ERICSON COLLET (ASSEMBLY)
209-B	3/8-24 COLLET BODY
209-1	COLLET NUT
209-1/8	1/8" INSERT
209-3/16	3/16" INSERT
209-1/4	1/4" INSERT
209-5/16	5/16" INSERT
209-3/8	3/8" INSERT
400-G-11	FRONT BEARING
400-G-26	THROTTLE LEVER
400-G-29	THROTTLE VALVE (INCLUDES 844302)
400-G-34	SPRING
400-2G	CYLINDER
400-2GR	REVERSE ROTATION CYLINDER (SPECIAL ITEM)
400-5	ROTOR
400-6	ROTOR BLADE (5 REQ.)
400-7	FRONT ENDPLATE
400-10	KEY
400-44	ROLL PIN
400-51	O-RING SPECIFY SPEED FOR CASE ASSY.
402-126	SAFETY LEVER
402-127	SAFETY LEVER PIN
402-128	LOCKOUT LEVER
402-129	SAFETY LEVER SPRING
404-9	REAR BEARING
404-14	SPINDLE
404-19	REAR ENDPLATE
404-19R	REVERSE ROTATION REAR END-PLATE (SPECIAL ITEM)
404-38	BEARING COVER
404-39	SNAP RING
540098	ALUMINUM FRONT CASE
540916	STEEL FRONT CASE
700-37	THROTTLE LEVER PIN
591106	SET SCREW (SPECIFY SPEED)
592016	SNAP RING
594016	O-RING
832636	GASKET
841552	3/8 NPT TO 3/8 NPT BUSHING

PART	DESCRIPTION
841553	3/8 NPT TO 1/4 NPT BUSHING
841553-M	3/8 NPT TO 3/8 BSP BUSHING
844302	O-RING
869311	THROTTLE VALVE CAP
WRENCHES	
1100-056	9/16" WRENCH
1100-075	3/4" WRENCH
ASSEMBLIES	
209	ERICKSON COLLET ASSEMBLY COMPLETE
510240	REPAIR KIT INCLUDES ALL BEARINGS, ROTOR BLADES AND SNAP RINGS.
402-26	SAFETY LEVER ASSY.

### MODELS 4117AG 4117AGS



Model 4117AG Die Grinder with Front Exhaust.

#### SAFETY

1. Before operation check spindle speed with a tachometer. If the RPM's exceeds the rated speed stamped on tool, servicing is required.
2. Inspect carbide burrs or mounted points for bends, chips, nicks, cracks or severe wear. If they have any of these problems do not use. On brushes check for loose wires that may fly off in operation.
3. Start new mounted points or burrs under a steel bench. Run at full throttle for one minute.
4. The 4121 series die grinders are intended for use with Burrs/Mounted Stones of shank size 1/8 inch, 1/4 inch, 5/16 inch, 3/8 inch, 3mm, 6mm, 8mm. only. They are NOT guarded for type 1 wheels. If you have a type 1 wheel application, please purchase a different model tool.
5. At least one-half of the mandrel length (i.e. mounted wheel, burr, etc.) must be inserted into the collet. Secure collet chuck tightly.
6. Safety levers are available from the manufacturer (402-26).
7. Before mounting or removing a Burr/mounted point disconnect the grinder from air supply. Wear safety goggles and other protective clothing (when necessary). (See regulations.)
8. Properly maintained air tools are less likely to fail or cause accidents. If tool vibrates or produces an unusual sound, repair immediately.

#### LUBRICATION

Lubricate the motor with an air line lubricator, using a light air motor oil. Adjust the lubricator to dispense one drop per cycle or three drops per minute.

CAUTION Do not use substitutes for oil and grease. This could result in damage to the tool.

#### MAINTENANCE

1. Proper and continuous lubrication.
2. Blow out air hose to assure a clean air supply.
3. Be sure the air filter and line lubricator are clean.
4. Fill the line lubricator before operation.
5. Place a few drops of oil into the air inlet of the tool before attaching the air line.
6. Use moisture separators to remove water from the air line.
7. An air line filter-regulator-lubricator should be located as closely as possible to the tool.
8. Keep screen handle bushing in tool.

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