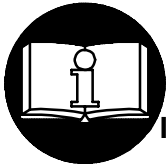


INSTRUCTIONS FOR MODEL IR-C107XP RATCHET WRENCH

NOTICE

Model IR-C107XP Ratchet Wrench is designed for body shop work, removing or replacing radiators, spark plugs, air conditioning units, and water pumps in automotive applications. Ingersoll-Rand is not responsible for customer modification of tools for applications on which Ingersoll-Rand was not consulted.

⚠ WARNING



**IMPORTANT SAFETY INFORMATION ENCLOSED.
READ THIS MANUAL BEFORE OPERATING TOOL.**

**IT IS THE RESPONSIBILITY OF THE EMPLOYER TO PLACE THE INFORMATION
IN THIS MANUAL INTO THE HANDS OF THE OPERATOR.**

FAILURE TO OBSERVE THE FOLLOWING WARNINGS COULD RESULT IN INJURY.

PLACING TOOL IN SERVICE

- Always operate, inspect and maintain this tool in accordance with American National Standards Institute Safety Code for Portable Air Tools (ANSI B186.1).
- For safety, top performance, and maximum durability of parts, operate this tool at 90 psig (6.2 bar/620 kPa) maximum air pressure at the inlet with 3/8" (10 mm) inside diameter air supply hose.
- Always turn off the air supply and disconnect the air supply hose before installing, removing or adjusting any accessory on this tool, or before performing any maintenance on this tool.
- Do not use damaged, frayed or deteriorated air hoses and fittings.
- Be sure all hoses and fittings are the correct size and are tightly secured. See Dwg. TPD905-1 for a typical piping arrangement.
- Always use clean, dry air at 90 psig maximum air pressure. Dust, corrosive fumes and/or excessive moisture can ruin the motor of an air tool.
- Do not lubricate tools with flammable or volatile liquids such as kerosene, diesel or jet fuel.
- Do not remove any labels. Replace any damaged label.

USING THE TOOL

- Always wear eye protection when operating or performing maintenance on this tool.
- Always wear hearing protection when operating this tool.

- Keep hands, loose clothing and long hair away from rotating end of tool.
- Anticipate and be alert for sudden changes in motion during start up and operation of any power tool.
- Keep body stance balanced and firm. Do not overreach when operating this tool. High reaction torques can occur at or below the recommended air pressure.
- Tool accessory may continue to rotate briefly after throttle is released.
- Air powered tools can vibrate in use. Vibration, repetitive motions or uncomfortable positions may be harmful to your hands and arms. Stop using any tool if discomfort, tingling feeling or pain occurs. Seek medical advice before resuming use.
- Use accessories recommended by Ingersoll-Rand.
- Use only impact sockets and accessories. Do not use hand (chrome) sockets or accessories.
- Note the position of the reversing lever before operating the tool so as to be aware of the direction of rotation when operating the throttle.
- Whenever the Ratchet Head is installed or repositioned, the Throttle Lever must be positioned so that reaction torque will not tend to retain the throttle in the "ON" position.
- This tool is not designed for working in explosive atmospheres.
- This tool is not insulated against electric shock.

NOTICE

The use of other than genuine Ingersoll-Rand replacement parts may result in safety hazards, decreased tool performance, and increased maintenance, and may invalidate all warranties.

Repairs should be made only by authorized trained personnel. Consult your nearest Ingersoll-Rand Authorized Servicenter.

Refer All Communications to the Nearest
Ingersoll-Rand Office or Distributor.

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CORNWELL
The Choice of Professionals

BY INGERSOLL-RAND


WARNING LABEL IDENTIFICATION

⚠ WARNING


FAILURE TO OBSERVE THE FOLLOWING WARNINGS COULD RESULT IN INJURY.



⚠ WARNING
Always wear eye protection when operating or performing maintenance on this tool.




⚠ WARNING
Always wear hearing protection when operating this tool.




⚠ WARNING
Always turn off the air supply and disconnect the air supply hose before installing, removing or adjusting any accessory on this tool, or before performing any maintenance on this tool.




⚠ WARNING
Air powered tools can vibrate in use. Vibration, repetitive motions or uncomfortable positions may be harmful to your hands and arms. Stop using any tool if discomfort, tingling feeling or pain occurs. Seek medical advice before resuming use.




⚠ WARNING
Do not carry the tool by the hose.



⚠ WARNING
Do not use damaged, frayed or deteriorated air hoses and fittings.



⚠ WARNING
Keep body stance balanced and firm. Do not overreach when operating this tool.



⚠ WARNING
Operate at 90 psig (6.2 bar/620 kPa) Maximum air pressure.

PLACING TOOL IN SERVICE

LUBRICATION



Ingersoll-Rand No. 50

For the Gearing –
Ingersoll-Rand No. 28

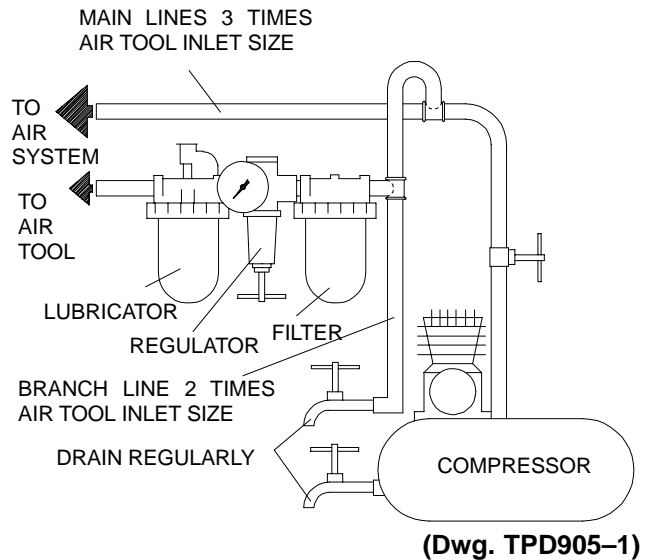
For the Ratchet Housing
Ingersoll-Rand No. 66

Always use of an air line lubricator with these tools.
We recommend the following Filter-Lubricator-Regulator Unit:

For U.S.A.– No. C28-04-FKG0-28

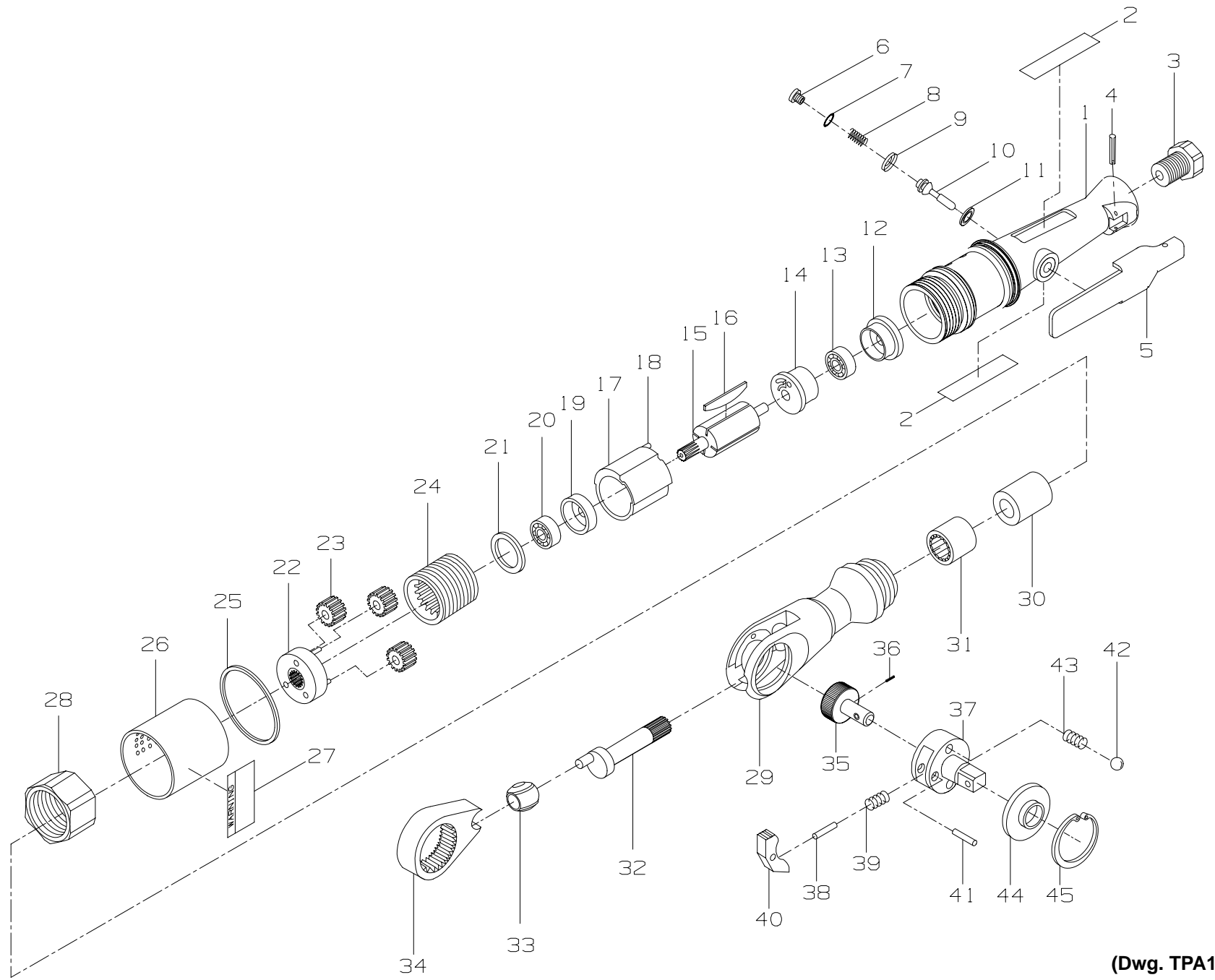
Before starting the tool and after each two or three hours of operation, unless the air line lubricator is used, pour approximately 1.5 cc of Ingersoll-Rand No. 50 Oil into the air inlet.

Periodically, inject several drops of Ingersoll-Rand No. 50 Oil between the Ratchet Housing (29) and Ratchet Yoke (34) to lubricate the Drive Bushing (33).



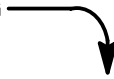
SPECIFICATIONS

Model	Drive	Free Speed	Recommended Torque Range
	in.	rpm	Ft-lb (Nm)
IR-C107XP	3/8"	160	10 to 45 (14 to 61)

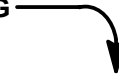


(Dwg. TPA1766)

PART NUMBER FOR ORDERING



PART NUMBER FOR ORDERING



1	Motor Housing Assembly	IRC107XP-A40	25	O-ring	107XP-167
2	Nameplate (2)	IRC107XP-301	26	Exhaust Deflector Assembly	107XP-A123
3	Inlet Bushing	107-465	27	Warning Label	WARNING-7-99
4	Throttle Lever Pin	223-554	28	Coupling Nut	107-27
5	Throttle Lever	107XP-273	29	Ratchet Housing Assembly	107XP-A322
6	Valve Screw Assembly	107-A229A	30	Bushing	107XP-467
7	Valve Screw O-ring	107-259	31	Needle Bearing	107-32
8	Throttle Valve Spring	107-51	32	Crank Shaft	107XP-35
9	Throttle Valve Spring Seat	107-710	33	Drive Bushing	107-36
10	Throttle Valve Assembly	107-A302	34	Ratchet Yoke	107-37
11	Throttle Valve O-ring	107-314	35	Reverse Button Assembly	107XP-A38
12	Rear Rotor Bearing Cap	107-624	36	Reverse Button Pin	107-39
13	Rear Rotor Bearing	107-24	37	Ratchet Anvil	107XP-44
14	Rear End Plate	107-12	38	Ratchet Lock Pin	107-49
15	Rotor	107XP-53	39	Ratchet Spring	107XP-41
16	Vane Packet (set of 4 Vanes)	107XP-42-4	40	Ratchet Pawl	107-43
17	Cylinder Assembly	107-A3	41	Pawl Retaining Pin	107-34
18	Cylinder Dowel	107-98	42	Detent Ball (2)	107-696
19	Front End Plate	107-11	43	Detent Spring (2)	107-45
20	Front Rotor Bearing	107-97	44	Thrust Washer	107-46
21	Spacer	107-18	45	Retaining Ring	107-426
22	Spindle Assembly	107XP-A8			
23	Spindle Planet Gear (3)	109-9			
24	Ring Gear	107XP-99			