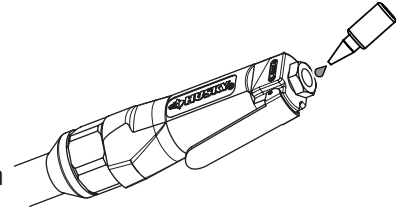


Maintenance

Ensure the air line is shut-off and drained of air before removing this tool for service or changing sockets. This will prevent the tool from operating if the throttle is accidentally engaged.

LUBRICATION

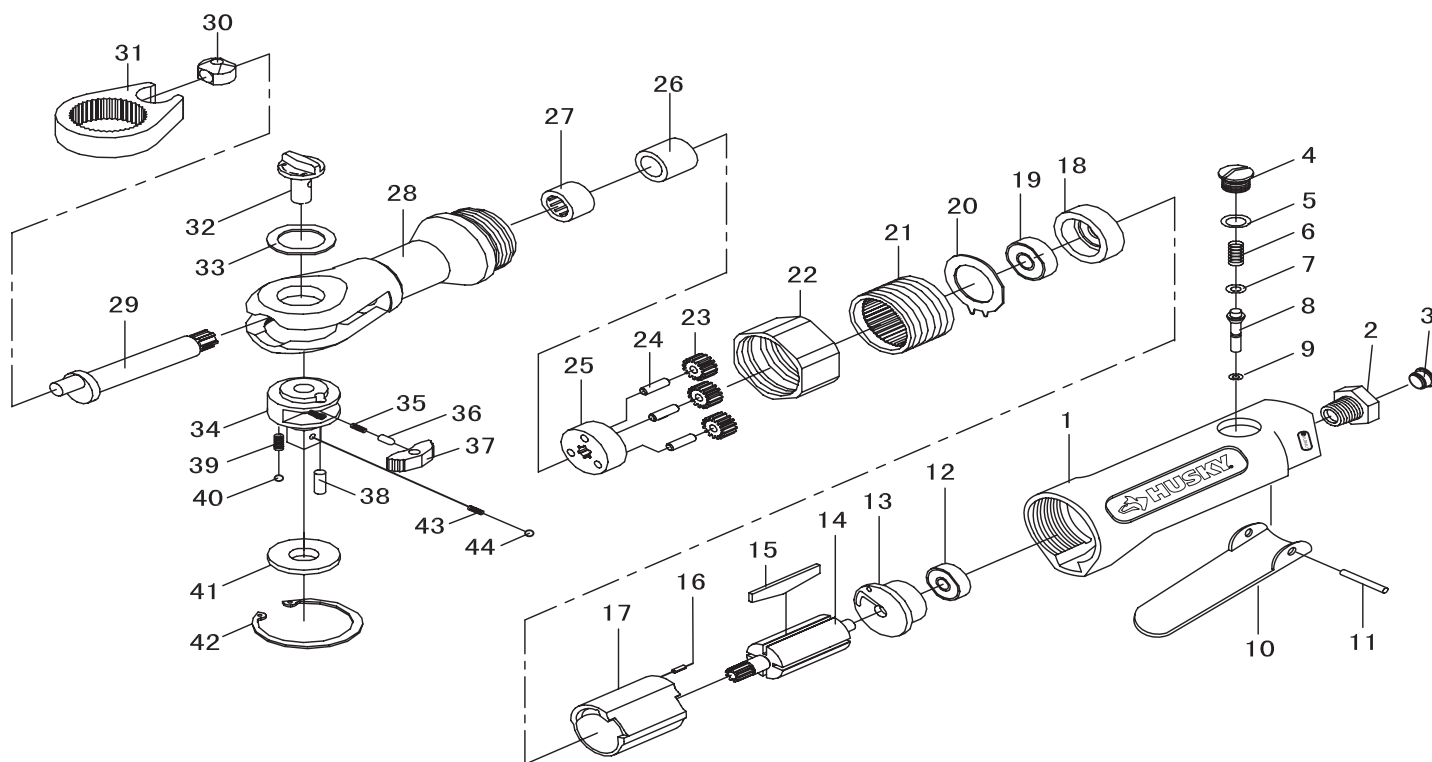
- An in-line filter-regulator-lubricator is recommended as it increases tool life and keeps the tool in sustained operation.
- Regularly check and fill the in-line lubricator with air tool oil. Avoid using excessive amounts of oil.
- Adjust the in-line lubricator by placing a sheet of paper next to the tool's exhaust ports and holding the throttle open approximately 30 seconds. The lubricator is properly set when a light stain of oil collects on the paper.
- If it is necessary to store the tool for an extended period of time (overnight, weekend, etc.), generously lubricate the tool through the air inlet. Run the tool for approximately 30 seconds to ensure the oil is evenly distributed throughout the tool. Store the tool in a clean and dry environment.
- Recommended lubricants: Air tool oil or any other high grade turbine oil containing moisture absorbent, rust inhibitors, metal wetting agents, and an EP (extreme pressure) additive.



Troubleshooting

Problem	Possible Cause	Solution
The tool runs slowly or will not operate.	There is grit or gum in the tool.	Flush the tool with air tool oil or gum solvent.
	The tool is out of oil.	Lubricate the tool according to the lubrication instructions in this manual.
	The air pressure is low.	<ul style="list-style-type: none"> □ Adjust the regulator on the tool to the maximum setting. □ Adjust the compressor regulator to the tool's maximum setting of 90 psi.
	The air hose leaks.	Tighten and seal the hose fittings with pipe thread tape if leaks are found.
	The air pressure drops.	<ul style="list-style-type: none"> □ Ensure the hose is the proper size. Long hoses or tools using large volumes of air may require a hose with an I.D. of ½" or larger depending on the total length of the hose. □ Do not use a multiple number of hoses connected together with a quick connect fitting. This causes additional pressure drops and reduces the tool power. Directly connect the hoses together.
	There is a worn rotor blade in the motor.	Replace the rotor blade.
	There is a worn ball bearing in the motor.	Remove and inspect the bearing for rust, dirt, and grit. Replace or clean and grease the bearing with bearing grease.
There is moisture blowing out of the tool's exhaust.	There is water in the tank.	Drain the tank. (See the air compressor manual for instructions.) Lubricate the tool and run it until water is not evident. Lubricate the tool again and run for 1-2 seconds.

Service Parts



Reference Number	Part Number	Description
1	93202401	Housing
2	985002-01G	Air Inlet
3	9479012	Plastic Plug
4	9106467G	Valve Screw
5	9106365G	O-Ring
6	9106465G	Valve Spring
7	93202433	O-Ring
8	9106464G	Valve Stem
9	9150070G	O-Ring
10	93202435	Trigger Lever
11	946011G	Trigger Pin
12	9106469G	Bearing
13	9106470G	Rear End Plate
14	9106472G	Rotor
15	9106471G	Rotor Blade (4)
16	9106473G	Spring Pin
17	9106686G	Cylinder
18	9106476G	Front End Plate
19	9106477G	Bearing
20	985020G	Exhaust Deflector
21	915012-02G	Internal Gear
22	9145024G	Clamp Nut

Reference Number	Part Number	Description
23	9150140G	Planet Gear (3)
24	9106481G	Needle Roller (3)
25	9106482G	Idle Gear Seat
26	9106484G	Anvil Bushing
27	9106485G	Needle Bearing
28	9150190G	Ratchet Housing
29	9106486G	Crank Shaft
30	9106698G	Drive Bushing
31	9115023G	Ratchet Yoke
32	915038G	Reverse Switch
33	915042G	Washer
34	9150180G	Anvil
35	9106491G	Spring
36	9106490G	Locking Pin
37	9150360G	Ratchet Pawl
38	9150370G	Pin
39	9106496G	Spring (2)
40	9106497G	Steel Ball (2)
41	9150320G	Thrust Washer
42	9106500G	Retainer Ring
43	9150440G	Spring
44	9150430G	Steel Ball (2)