# Whip Assembly

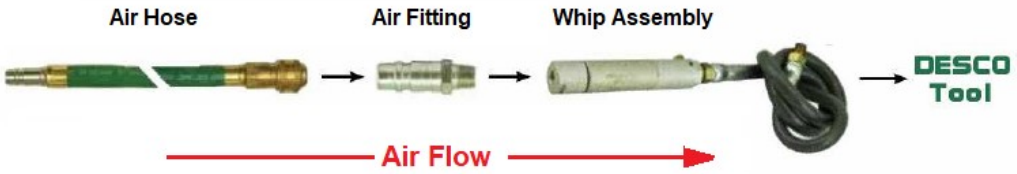
## *Inline Filter/Lubricator*

Part 500.008

## Automatic Lubricator for Pneumatic Tools

1) **Purpose –** Pneumatic tools need clean, dry air and regular lubrication. The Desco Whip Assembly ensures your pneumatic tools are receiving clean dry air while delivering a continuous fine mist of oil. Installed just ahead of your air tool, this device accomplishes both tasks.

2) **Installation –** Place the Desco Whip Assembly into the air supply as shown.




3) **Consumables**

| Part | Description |
|---|---|
| 500.062 | Filter cartridge, qty=1 |
| 9500.062 | Filter cartridge, qty=25 |
| 500.015 | Pneumatic tool oil, 2 oz bottle |

4) **Servicing**

| Item | Interval | Procedure |
|---|---|---|
| Oil reservoir | 8 hours | Remove filler cap screw (**A**). Top off with pneumatic tool oil (ISO VG 32 or equivalent). Hold plastic oil bottle (500.015) firmly against check valve ball to open valve and squeeze until full. Replace filler cap screw. |
| Filter cartridge | 30-45 days | Unscrew cap from cylinder body. Remove and replace filter cartridge (**2**). Replace sooner if performance declines. |
| Adjust oil flow | 6-12 months as required | *See* **Section 5 Oil Flow Adjustment** |

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**5) Oil Flow Adjustment –** Adjust oil flow with adjusting screw (**B**). The goal is a minimum but constant fog of oil:

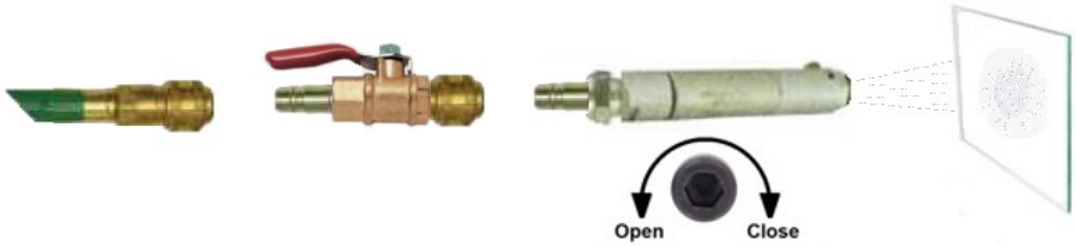
A) Factory reset – Close completely, then back out 1/4 turn.

B) Fine adjust – ***Read entire procedure before beginning.***

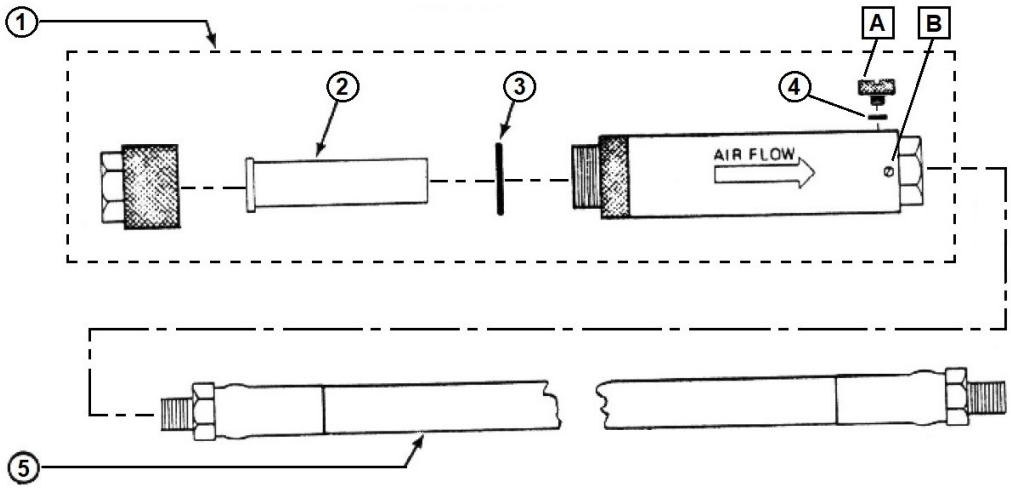
1. *Compressor*: a) set regulator to 90PSI, b) drain tank to minimize moisture in air flow.
2. *Whip Assembly*: a) remove whip (hose) from oiler, b) top-off oiler reservoir[1].
3. *Air supply*: a) should have inline valve, b) put valve in off position, c) attach oiler to air supply.
4. *Adjust and Test*:
   a. **Clean mirror** or glass plate
   b. **For 1 minute**, open air valve, hold oiler 4-6 inches from mirror, close air valve.
   c. **Observe** the mirror and proceed as indicated:
      1) *Too lean* – if no fog is observed, open adjustment slightly, stabilize[2], return to step 4.
      2) *Too rich* – if droplets appear or oil runs down glass, close adjustment slightly, stabilize[2], return to step 4.
      3) Correct – if a fog is observed without droplets, adjustment is complete.

**Notes**:

[1]A new or previously dry and refilled Whip Assembly may take 2-3 minutes to stabilize oil flow,
[2]Oil flow needs to stabilize *after each adjustment*. Push air for 1 minute before retesting.




**6) Parts List**




| Ref | Part | Description |
|---|---|---|
| 1 | 500.005 | Lubricator body, complete (excludes hose 500.046) |
| 2 | 500.062 | Filter cartridge |
| 3 | 500.007 | O-ring, cartridge access |
| 4 | 500.012 | O-ring, oil filler port |
| 5 | 500.046 | Hose, 3′ |
| **A** | *reference* | Oil filler cap screw |
| **B** | *reference* | Oil flow adjusting screw |