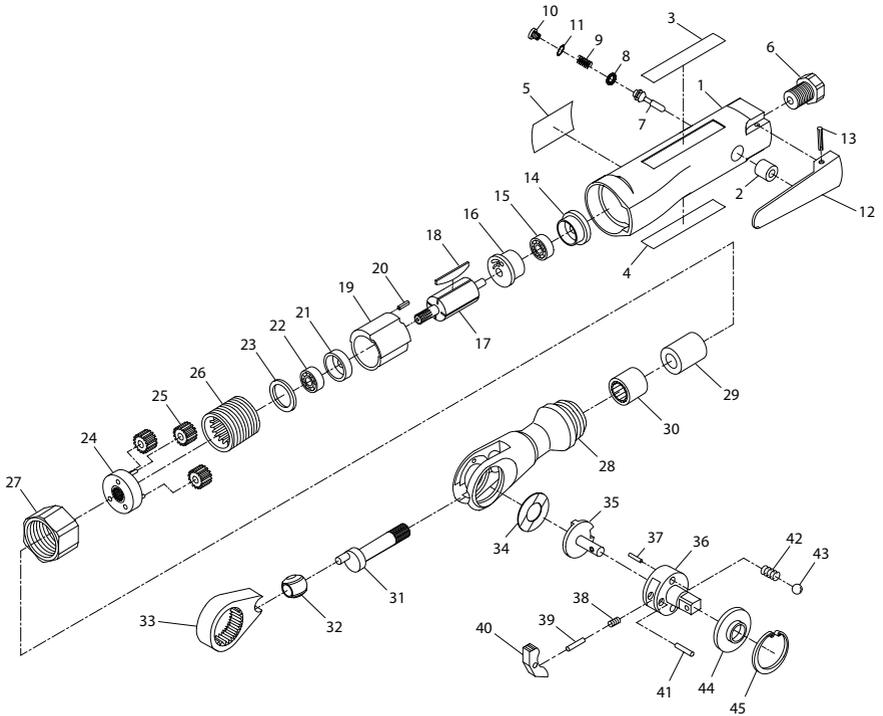


# 170 and 1770 Air Ratchet Wrench Exploded Diagram



(Dwg. TP2280)

## 170 and 1770 Air Ratchet Wrench Parts List

| Item | Part Description       | Part Number   | Item | Part Description                           | Part Number |
|------|------------------------|---------------|------|--|-------------|
|      | Housing Assembly       |               | 27   | Coupling Nut                               | 170-27      |
|      | for 170                | 170-A40       |      | Ratchet Housing Assembly                   | 170-A322    |
|      | for 1770               | 1770-A40      | 28   | Ratchet Housing                            | ---         |
| 1    | Housing                | ---           | 29   | Crankshaft Bushing                         | ---         |
| 2    | Valve Bushing          | ---           | 30   | Crankshaft Needle Bearing                  | ---         |
| 3    | Nameplate              |               | 31   | Crankshaft                                 | 170-35      |
|      | for 170                | 170-301       | 32   | Drive Bushing                              | 170-36      |
|      | for 1770               | 1770-301      | 33   | Yoke                                       | 170-37      |
| 4    | Logo Label             | 170-300       |      | Ratchet Head Kit                           |             |
| 5    | Warning Label          | WARNING-30-99 |      | for 170                                    | 170-TRK1    |
| 6    | Inlet Bushing Assembly | 170-565       |      | for 1770                                   | 1770-TRK1   |
|      | Throttle Kit           | 170-TK        | 34   | Wear Washer                                | ---         |
| 7    | Throttle Valve         | ---           | 35   | Reverse Button                             | ---         |
| 8    | Throttle Valve O-ring  | ---           | 36   | Anvil Assembly                             | ---         |
| 9    | Throttle Valve Spring  | ---           |      | for 170                                    | 170-A44     |
| 10   | Valve Plug             | ---           |      | for 1770                                   | 1770-A44    |
| 11   | Valve Plug O-ring      | ---           | 37   | Reverse Button Stop Pin                    | ---         |
|      | Trigger Lever Kit      | 170-LK        | 38   | Lock Spring                                | ---         |
| 12   | Trigger Lever          | ---           | 39   | Lock Pin                                   | ---         |
| 13   | Trigger Lever Pin      | ---           | 40   | Pawl                                       | ---         |
|      | Motor Assembly         | 170-MK        | 41   | Pawl Retaining Pin                         | ---         |
| 14   | End Cap                | ---           | 42   | Friction Spring (2)                        | ---         |
| 15   | Rear Rotor Bearing     | ---           | 43   | Friction Ball (2)                          | ---         |
| 16   | Rear End Plate         | ---           | 44   | Thrust Washer                              | ---         |
| 17   | Rotor                  | ---           | 45   | Retaining Ring                             | ---         |
| 18   | Vane (4)               | ---           |      | Oil - Ingersoll Rand No. 10 (4 oz. bottle) | 10Z4        |
| 19   | Cylinder               | ---           |      | Grease (for Gearing)                       |             |
| 20   | Motor Alignment Pin    | ---           |      | Ingersoll Rand No. 67 (1 lb can)           | 67-1 LB     |
| 21   | Front End Plate        | ---           |      | Ingersoll Rand No. 67 (8 lb can)           | 67 8 LB     |
| 22   | Front Rotor Bearing    | ---           |      | Grease (for Ratchet Head)                  |             |
| 23   | Spacer                 | ---           |      | Ingersoll Rand No. 70 (1 lb can)           | 70 1 LB     |
|      | Gearing Kit            | 170-GK        |      | Ingersoll Rand No. 70 (8 lb can)           | 70 8 LB     |
| 24   | Spindle Assembly       | ---           |      |  |             |
| 25   | Planet Gear (3)        | ---           |      |  |             |
| 26   | Internal Gear          | ---           |      |  |             |

### Parts and Maintenance

When the life of the tool has expired, it is recommended that the tool be disassembled, degreased and parts be separated by material so that they can be recycled.

Tool repair and maintenance should only be carried out by an authorized Service Center.

Refer all communications to the nearest **Ingersoll Rand** Office or Distributor.

### Related Documentation

For additional information refer to:  
 Product Safety Information Manual 04580361.  
 Product Information Manual 04585030.

Manuals can be downloaded from [www.irtools.com](http://www.irtools.com).

