



**04584462**  
Edition 5  
August 2014

## **Air Impact Wrench**

**2945 and 2950**

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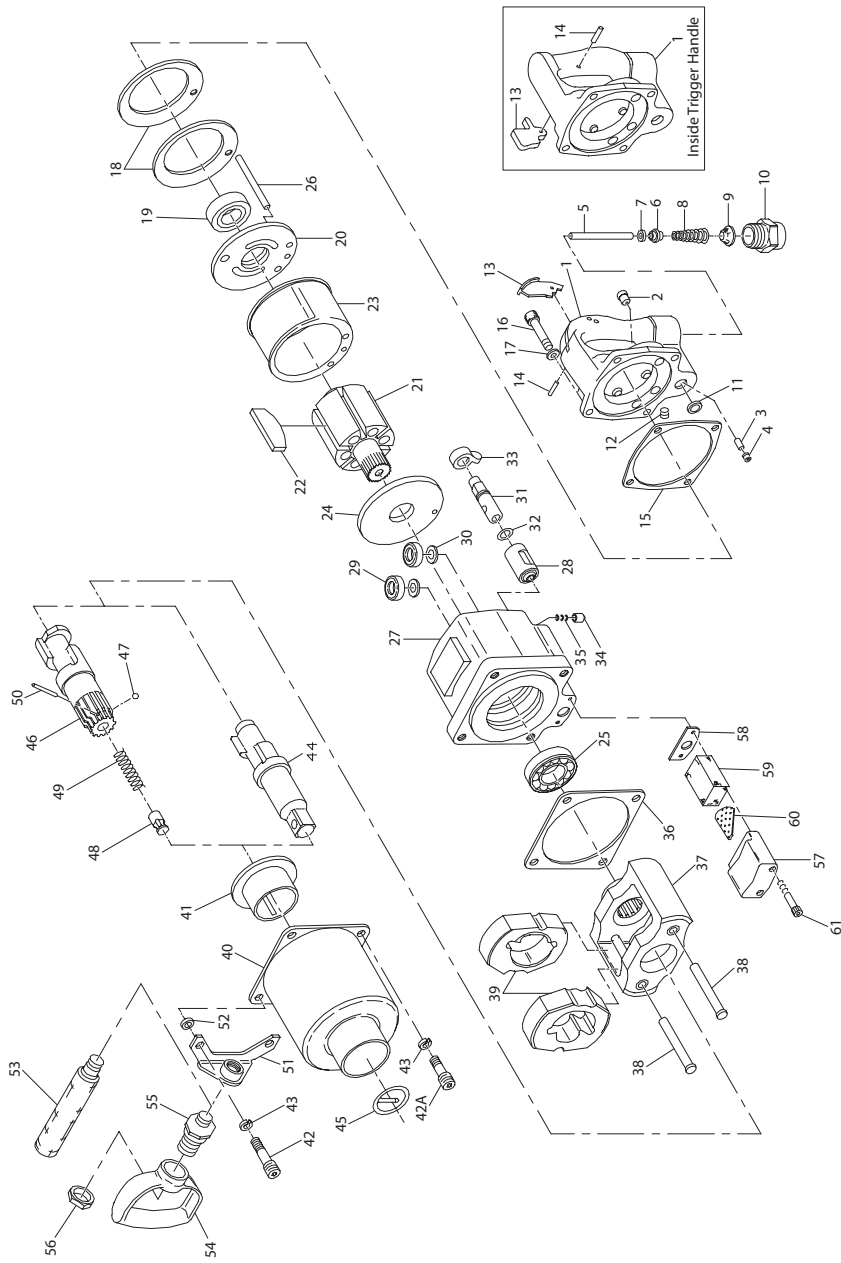
# **Parts Information**



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**IR** *Ingersoll Rand®*

2945 and 2950 Air Impact Wrench Exploded Diagram



(Dwg. TPA1335)

## 2945 and 2950 Air Impact Wrench Parts List

| Item | Part Description                                                 | Part Number | (CCN)     | Item  | Part Description                                               | Part Number  | (CCN)    |
|------|------------------------------------------------------------------|-------------|-----------|-------|----------------------------------------------------------------|--------------|----------|
| 1    | Throttle Handle Assembly                                         |             |           | 39    | Hammer (2)                                                     |              |          |
|      | with Outside Trigger                                             | 2950-A1     | 003473279 |       | for 2945                                                       | 2945-724     | 03472743 |
|      | with Inside Trigger                                              | 2950-A92    | 03473204  |       | for 2950                                                       | 2950-724     | 03473246 |
| 2    | Grease Fitting                                                   | 130SR-188   | 03039930  | 40    | Hammer Case Assembly                                           |              |          |
| † 3  | Oilier Felt                                                      | R2-75       | 03136272  |       | for 2945A7, 2945B7 and 2945B1                                  | 2945-A627    | 03472735 |
| 4    | Oilier Adjusting Screw                                           | R2-71       | 03136264  |       | for 2945A7-EU and 2945B7-EU                                    | 2945-EU-A627 | 04348587 |
| 5    | Throttle Valve Plunger                                           | 2950-302    | 03472941  |       | for 2950A7 and 2950B7                                          | 2950-A727    | 03473253 |
| 6    | Throttle Valve Assembly                                          | 2934-A50    | 03441557  |       | for 2950A7-EU and 2950B7-EU                                    | 2950-EU-A727 | 04348579 |
| † 7  | Throttle Valve Face                                              | 2934-159    | 03480225  | ++ 41 | Hammer Case Bushing                                            | 2950-541     | 03473147 |
| 8    | Throttle Valve Spring                                            | 834-51      | 03065687  | *     | Hammer Case Label                                              |              |          |
| † 9  | Air Strainer Screen                                              | 434-61      | 03063013  |       | for models ending in -EU                                       | EU-99        | 04346607 |
| 10   | Straight Inlet                                                   | 845-565     | 03286283  |       | for all other models                                           | WARNING-2-99 | 04203139 |
| † 11 | Reverse Valve Seal                                               | R00BR-210   | 03117793  | 42    | Hammer Case Cap Screw (3/8"-16 thread x 1-3/4")                |              |          |
| # 12 | Oil Chamber Plug (2)                                             | ROH-377     | 03117793  |       | Socket Head (Long) (2)                                         | 2945-638     | 03733649 |
| 13   | Trigger                                                          |             |           | 42A   | Hammer Case Cap Screw (3/8"-16 x 1-1/2")                       | 844-638      | 03067659 |
|      | Outside-type                                                     | 844-78      | 03067352  | 43    | Lock Washer (4)                                                | 845-58       | 03387867 |
|      | Inside-type                                                      | 834-93A     | 03679966  | 44    | 1-1/2" Square Drive Anvil                                      |              |          |
| 14   | Trigger Pin                                                      |             |           |       | for 2945                                                       | 2945-726     | 03472719 |
|      | for Outside Trigger                                              | F02-15      | 03025558  |       | for 2950                                                       | 2950-726     | 03473162 |
|      | for Inside Trigger                                               | 534-265     | 03055183  | 45    | Socket Retaining Ring (for use with 1-1/2" Square Drive Anvil) | RR10020S     | 03809316 |
| † 15 | Handle Gasket                                                    | 850-283     | 03414513  | 46    | Spline Drive Anvil Assembly (No. 5 Spline)                     |              |          |
| 16   | Handle Cap Screw (5/16"-18 thread x 1-1/4" long Socket Head) (4) | 834-638     | 03066354  |       | for 2945B1                                                     | 2945-A526A   | 03875093 |
| 17   | Handle Cap Screw Washer (4)                                      | 588-140     | 03059045  |       | for 2950B1                                                     | VW-1030      | 04194817 |
| 18   | Motor Clamp Washer (2)                                           | MR-207      | 03193489  | 47    | Socket Retaining Ball                                          | D04-280      | 03171006 |
| † 19 | Rear Rotor Bearing                                               | 834-24      | 03065588  | 48    | Retaining Ball Plunger                                         | 845-230      | 03391018 |
| 20   | Rear End Plate                                                   | 2950-12     | 03473188  | 49    | Plunger Spring                                                 | 2940-231     | 03474103 |
| 21   | Rotor                                                            |             |           | 50    | Plunger Retaining Pin                                          | 845-128      | 03391026 |
|      | for 2945                                                         | 2945-53     | 03472727  | 51    | Dead Handle Bracket                                            | 845-364      | 03387479 |
|      | for 2950                                                         | 2950-53     | 03473196  | 52    | Dead Handle Bracket Spacer                                     | 845-140      | 03387461 |
| † 22 | Vane Packet (set of 6 Vanes)                                     |             |           | 53    | Dead Handle (interchanges with Side Spade Handle Assembly)     | 834-48       | 03065661 |
|      | for 2945                                                         | 2945-42-6   | 03676616  |       | Side Spade Handle Assembly (interchanges with Dead Handle)     | 834-48       | 03065661 |
|      | for 2950                                                         | 2950-42-6   | 03629896  | 54    | Side Spade Handle                                              | T15-41       | 03142080 |
| 23   | Cylinder                                                         |             |           | 55    | Spade Handle Stud                                              | 534-448      | 03055407 |
|      | for 2945                                                         | 2945-3      | 03472784  | 56    | Stud Nut                                                       | 107-73A      | 03199346 |
|      | for 2950                                                         | 2950-3      | 03473295  |       | Exhaust Deflector Kit                                          | 2934-K23     | 03675840 |
| 24   | Front End Plate                                                  | 2950-11     | 03473170  | 57    | Exhaust Deflector                                              | 2934-23A     | 03874294 |
| † 25 | Front Rotor Bearing                                              | TA-22A      |           | † 58  | Gasket                                                         | 2934-223     | 03675832 |
| 26   | Cylinder Dowel                                                   |             |           | † 59  | Silencer                                                       | 2940P-311    | 03657855 |
|      | for 2945                                                         | 844-98      | 03067402  | 60    | Exhaust Baffle                                                 | 2934-124     | 03675816 |
|      | for 2950                                                         | 2950-98     | 03472925  | 61    | Exhaust Deflector Screw (2)                                    | R43F-104     | 03373255 |
| 27   | Motor Housing Assembly                                           |             |           | *     | Nameplate                                                      |              |          |
|      | for 2945                                                         | 2945-A40    | 03472628  |       | for 2945A7, 2945B7 and 2945B1                                  | 2945-301     | 03674645 |
|      | for 2950                                                         | 2950-A40    | 03472891  |       | for 2945A7-EU and 2945B7-EU                                    |              |          |
| 28   | Reverse Valve Bushing                                            | 2934-330S   | 03442142  |       | for 2950A7 and 2950B7                                          | 2950-301     | 03674678 |
| † 29 | Air Port Gasket (2)                                              | R44H-210A   | 03157229  |       | for 2950-EU and 2950B7-EU                                      |              |          |
| † 30 | Gasket Retainer (2)                                              | 2940-200    | 03474582  | *     | Nameplate Screw (4)                                            | C32-302      | 03081742 |
| 31   | Reverse Valve Assembly                                           | 2934-A329   | 03441946  | *     | Wooden Box                                                     | 2945-96      | 03751971 |
| † 32 | Reverse Valve Bushing Seal                                       | 85H-167     | 03035847  | *     | Grease Gun                                                     | R000A2-228   | 03095015 |
| 33   | Reverse Lever                                                    | 2934-658A   | 03680725  | *     | Tune-up Kit                                                    |              |          |
| † 34 | Reverse Lock Plunger                                             | 4U-663B     | 03071800  |       | for 2945 (includes illustrated parts                           |              |          |
| † 35 | Plunger Spring                                                   | 4U-664      | 03071818  |       | 3, 7, 9, 11, 15, 19, 22, 25, 29 [2],                           | 2945-TK2     | 03803137 |
| † 36 | Hammer Case Gasket                                               | 845-36      | 03401098  |       | 30 [2], 32, 34, 35, 36, 58 and 59)                             |              |          |
| 37   | Hammer Frame Assembly                                            |             |           |       | for 2950 (includes illustrated parts                           |              |          |
|      | for 2945                                                         | 2945-A703   | 03472651  |       | 3, 7, 9, 11, 15, 19, 22, 25, 29 [2],                           | 2950-TK2     | 03803145 |
|      | for 2950                                                         | 2950-A703   | 03472974  |       | 30 [2], 32, 34, 35 and 36)                                     |              |          |
| 38   | Hammer Pin (2)                                                   |             |           |       |                                                                |              |          |
|      | for 2945                                                         | 2945-704    | 03472669  |       |                                                                |              |          |
|      | for 2950                                                         | 2950-704    | 03472982  |       |                                                                |              |          |

\* Indicates Not Illustrated.

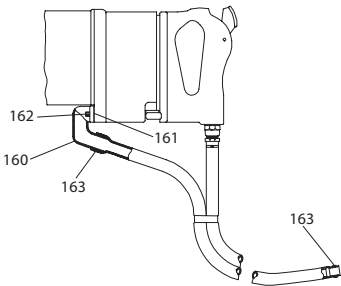
† Indicates a Tune-up Kit part.

• To keep downtime to a minimum, it is desirable to have on hand certain repair parts. We recommend that you stock one (pair or set) of each part indicated by a bullet (•) for every four tools in service.

++ The Hammer Case Bushing is a press fit in the Hammer Case. A .005" oversize Bushing is available and should be used if the nose of the Case has stretched to the extent that a new standard size Bushing fits loosely. The Part No. for a .005" oversize Bushing is 2950-541-5.

# Some tools have a single oil chamber plug. For these tools, order one Oil Chamber Plug, Part Number R2-227.

Piped-away Exhaust Kit



(Dwg. TPA559)

| Item | Part Description                                                 | Part Number | CCN      |
|------|------------------------------------------------------------------|-------------|----------|
|      | Piped Away Exhaust Kit                                           |             |          |
|      | without Muffler                                                  | 2940-K184   | 03473881 |
| 160  | Exhaust Adapter                                                  | 2940-167    | 03473915 |
| 161  | Exhaust Adapter Gasket                                           | 2940-30     | 03473873 |
| 162  | Adapter Cap Screw<br>(No. 10-24 thread x 5/8"<br>Socket Head (2) | AL-638      | 03026093 |
| 163  | Hose Clamp                                                       | R21-31      | 03467750 |

Parts and Maintenance

When tool life has expired, it is recommended that the tool be disassembled, degreased and parts separated by material for proper recycling. 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

Manuals can be downloaded from [ingersollrandproducts.com](http://ingersollrandproducts.com).  
For additional information, refer to:  
Product Safety Information Manual 04580916.  
Product Information Manual 04584835.  
Maintenance Information Manual 04584306.

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