

(Dwg. TPB742)

PART NUMBER FOR ORDERING
REFERENCE POUR COMMANDE DE LA PIECE
BESTELLNUMMER
NUMERO DEL PEZZO PER L'ORDINAZIONE
SIMBOLO DE LA PIEZA PARA PEDIDOS

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1	Throttle Handle (includes throttle valve bushing)	313-160	23	Pinion Bearing	313-511
2	Inlet Bushing	313-38	24	Pinion	314-551
3	Throttle Valve	313-65	25	Angle Housing	313-550
4	Throttle Valve Seal	313-66	26	Exhaust Deflector.	313-123
5	Throttle Valve Spring	313-51	27	Deflector Retaining Screw (2).	313-124
6	Speed Regulator.	313-249	28	Arbor Upper Bearing.	313-24
7	Regulator Seal	313-251	29	Bearing Cover	313-110
8	Throttle Valve Cap	313-266	30	Gear Retaining Ring	313-578
9	Valve Cap Seal	313-267	31	Gear Thrust Washer.	313-278
10	Throttle Lever	313-273	32	Pinion Gear	314-552
11	Throttle Lever Pin	313-15	33	Arbor.	313-591
12	Throttle Handle Cap Screw (4)	313-103	34	Arbor Key.	313-579
13	Lock Washer (4).	313-104	35	Bearing Housing.	313-555
14	Throttle Handle Gasket	313-739	36	Arbor Lower Bearing.	313-593
15	Rotor Bearing Retainer	313-118	37	Bearing Housing Cap Screw (4)	313-203
16	Rotor Bearing (2).	313-24	38	Lock Washer (4).	313-104
17	Rear End Plate.	313-12	39	Bearing Retaining Ring	313-531
18	Rotor.	313-53	40	Dead Handle	313-48
19	Vane (4).	313-42	41	Pad	313-825-7
20	Cylinder.	313-3	42	Pad Nut	313-226
21	Cylinder Alignment Pin	313-98	*	Nameplate.	314-301
22	Front End Plate	313-11	*	Nameplate Screw (2).	222-302
			*	Arbor Wrench	313-69

* Not illustrated.

OPERATION AND MAINTENANCE

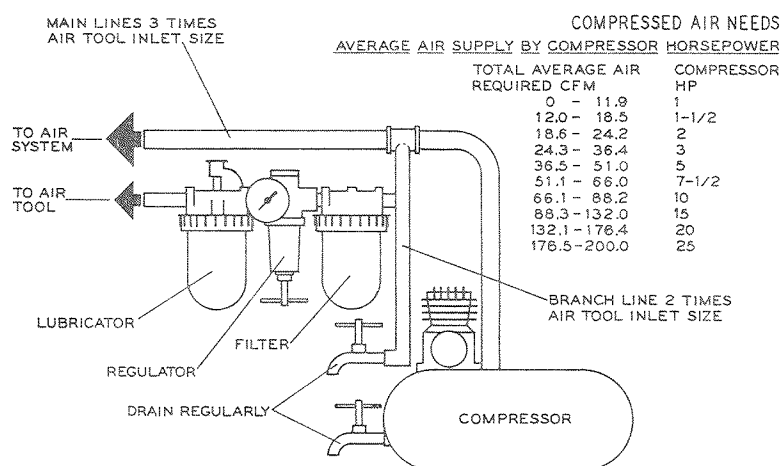
Air Supply and Connections

Always use clean dry air. Dust-corrosive fumes, excessive moisture can ruin your air tool. Your Sander/Polisher will operate efficiently on air pressures of 50 to 90 psi (3.5 to 6.2 bar/345 to 620 kPa). Use a pressure regulator to reduce line pressures to the above-mentioned range. **FOR TOP PERFORMANCE AND MAXIMUM DURABILITY OF PARTS, OPERATE THIS TOOL AT 90 psi (6.2 bar/620 kPa) AIR PRESSURE.**

Make sure all hoses and fittings are the correct size and are tightly secured. See diagram below for typical piping arrangement.

Lubrication

We recommend the use of an Air Line Lubricator, or an Ingersoll-Rand No. NFLRU-8 Filter-Lubricator-Regulator Unit. See below for recommended order of filter-lubricator-regulator arrangement. While this is the best method, it may be objectionable for some applications because of the slight oil mist in the exhaust. For such applications, remove the Tool from the work area, disconnect it from the air supply, and squirt a few drops of the recommended oil into the air inlet; then operate the Tool until the oil is dispelled and the exhaust is clear. Repeat every two or three hours of operation. Use a good quality SAE 20 or 20W motor oil.



(Dwg. TPD905)

Angle Polishers and Angle Sanders require periodic lubrication of the Pinion and Pinion Gear. Remove the Bearing Housing Cap Screws and pull the assembly out of the Angle Housing. Coat the Pinion Gear and Pinion with Ingersoll-Rand No. 67 Grease (Exxon Unirex* N2) and reassemble the tool.

Regulating Speed

The speed of all Polishers and Sanders can be regulated. Some models have a knurled knob while other models have a screwdriver slot at one end of the regulator shaft. When the regulator knob or shaft is rotated a full quarter turn in either direction, the tool speed will go from maximum to zero. Reposition the regulator knob or shaft within the quarter turn until the desired speed is obtained.

Accessories

Your Ingersoll-Rand authorized Servicenter carries a complete line of Sander/Polisher accessories. Check your nearest Servicenter. See Form 6685.

Sanding Discs and Pad

Built-in Spindle-Type Pad, apply disc adhesive to the front face of the Sanding Pad and the side opposite the abrasive face of the sanding disc. Allow the adhesive to dry. Align the adhesive side of the disc with the adhesive face of the Pad and press together firmly. Thread the Pad onto the Sander and tighten securely.

WARNING: Never use discs with rated speed lower than the actual free speed of the Sander.

LIMITED WARRANTY

Ingersoll-Rand Company warrants this product for 90 days, from the date of purchase, against any defects in material or workmanship. The Company shall, at its option, either repair or replace, free of charge any Product found, upon the Company's inspection, to be defective. Return the complete product, transportation prepaid, to the nearest Ingersoll-Rand Authorized Servicenter. Proof of purchase is required. This warranty does not apply to accessories. This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

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