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BRUKSANVISNING / USER MANUAL

1800 Series Assembly Machine Air Motors P5929

Ingersoll Rand 1801P2

Originaldokument: Ingersoll Rand

Tillhandahålls av Professional Technologies Sweden AB
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Edition 6
July, 1978

PARTS BULLETIN

ASSEMBLY MACHINE AIR MOTORS

Sizes 1801P2, 1801Q2, 1801U2 and 1801W2 Nonreversible
Sizes 1811P2, 1811Q2, 1811U2 and 1811W2 Nonreversible with Offset Head
Sizes 1841P2, 1841Q2, 1841U2 and 1841W2 Reversible
Sizes 1851P2, 1851Q2, 1851U2 and 1851W2 Reversible with Offset Head

MAINTENANCE TOOLS

TOOL NUMBER FOR ORDERING	TOOL NAME FOR ORDERING	OPERATION
P25-228	Grease Gun	Inserting grease into the Gear Case (28), the Offset Gear Housing (44) and Spring Loading Attachment Housing (65).
38823	Bearing Inserting Tool	Installing the Spindle Planet Gear Bearings (35) in the Spindle Planet Gears (34) in all Sizes, and the Gear Head Planet Gear Bearings (24) in the Gear Head Planet Gears (23) in "Q" and "U" ratio Motors.

HOW TO ORDER

Order all repair parts for your Ingersoll-Rand Tool by the **NAME** and **NUMBER** shown in the Repair Part List section. **Never** use the illustration numbers which appear in the first column.

For prompt service and genuine Ingersoll-Rand parts, place orders with the nearest Ingersoll-Rand Office or Authorized Distributor.

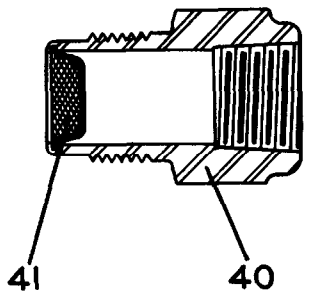
Notice: The use of other than genuine Ingersoll-Rand replacement parts may result in decreased tool performance and increased maintenance, and may, at the Company's option, invalidate all warranties.

Refer All Communications to the Nearest Ingersoll-Rand Office or Distributor.

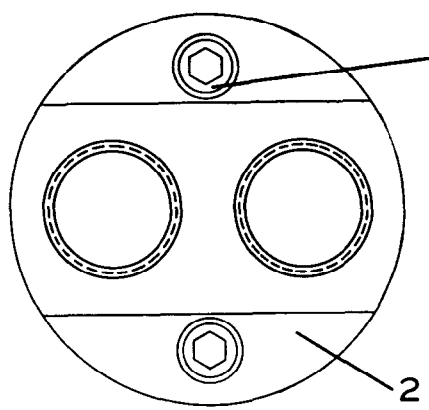
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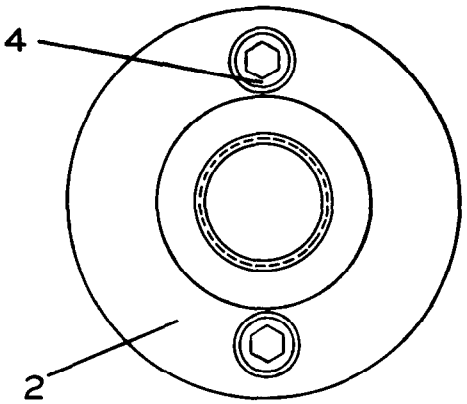
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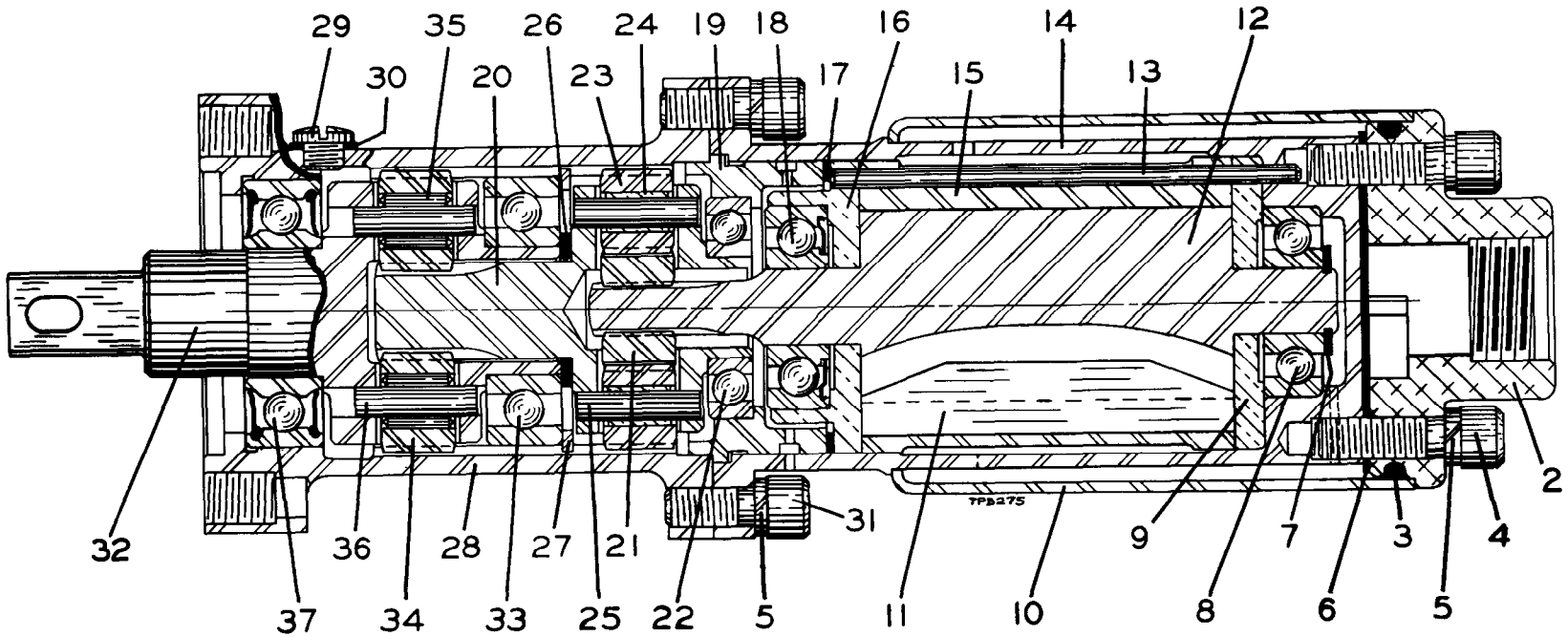
AIR STRAINER



BACK HEAD USED ON
REVERSIBLE MOTORS



BACK HEAD USED ON
NON-REVERSIBLE MOTORS

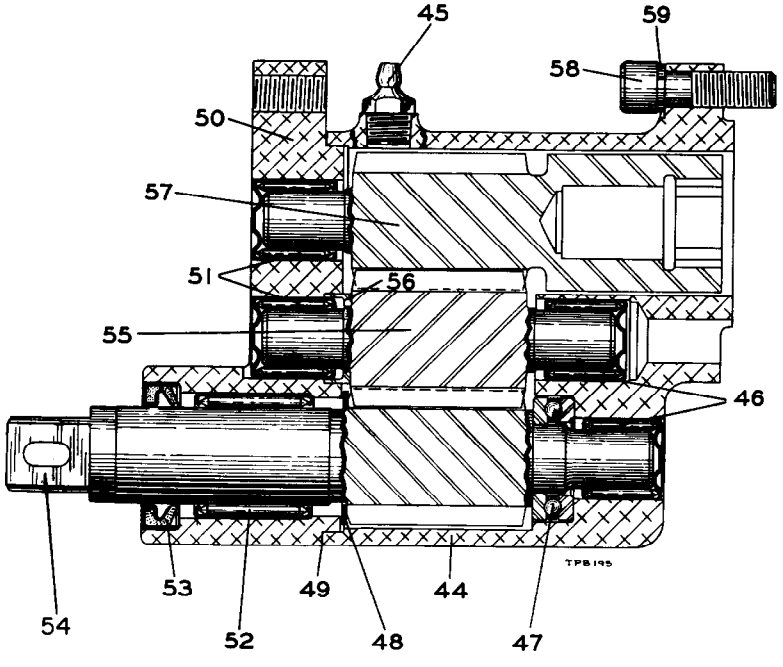


1841 Assembly Machine Air Motor

		PART NUMBER FOR ORDERING
2	Backhead	
	For Series 1801 and 1811	R1801-102
	For Series 1841 and 1851	R1841-102
3	Exhaust Deflector Seal	R10V-310
4	Backhead Cap Screw (2)	510-638
5	Lock Washer (4)	8U-58
6	Backhead Gasket	
	For Series 1801 and 1811	R1801-283
	For Series 1841 and 1851	R1841-283
7	Rotor Bearing Retainer	404-118
• 8	Rear Rotor Bearing	R1-24
9	Rear End Plate	R1801-12A
★ 10	Exhaust Deflector	R1801-23
• 11	Vane Packet (Set of 5)	R1801-42-5
12	Rotor	
	For "P", "U" or "W" ratio (7 teeth)	R1801P-53
	For "Q" ratio (11 teeth)	R1801Q-53
13	Cylinder Dowel	R18-98
★ 14	Motor Housing	R1801-40
15	Cylinder	
	For Series 1801 and 1811	R1801-3
	For Series 1841 and 1851	R1841-3
16	Front End Plate	R1801-11
17	End Plate Gasket	R1801-739
• 18	Front Rotor Bearing	R1-24A
19	Bearing Cage	R1801-113
	Gear Head Assembly	
	For "P" ratio	R1801P-A216
	For "Q" ratio	R1801Q-A216
	For "U" ratio	R1801U-A216
	For "W" ratio	R1801W-A216
20	Gear Head	
	For "P" ratio	R1801P-216
	For "Q" ratio	R1801Q-216
	For "U" ratio	R1801U-216
	For "W" ratio	R1801W-216
21	Rotor Pinion (For "P" ratio) (21 teeth)	R1801P-17
22	Gear Head Bearing	4E-510
23	Gear Head Planet Gear (2)	
	For "P" ratio (14 teeth)	R1801P-10
	For "Q" ratio (19 teeth)	R1801Q-10
	For "U" or "W" ratio (21 teeth)	R1801U-10
24	Gear Head Planet Gear Bearing (2) (For "Q", "U" or "W" ratio)	R1AL-654
24	Gear Head Planet Gear Bushing (2) (For "P" ratio)	R1AH-500
25	Gear Head Planet Gear Shaft (2)	R1A-191
26	Gear Head Spacer	R1AP-80
27	Spindle Bearing Retainer	R1AP-118
28	Gear Case	R1801P-37
29	Grease Plug	R00A-95
30	Grease Plug Washer	R3-92A
31	Gear Case Cap Screw (2)	G57T-634
	Spindle Assembly	
	For "P", "Q" or "U" ratio	
	with No. R1801P-8 Spindle	R1801P-A8
	with No. R1801P-308-1 Spindle	R1801P-A308-1
	For "W" ratio	
	with No. R1801W-8 Spindle	R1801W-A8
	with No. R1801W-308-1 Spindle	R1801W-A308-1
32	Spindle	
	For "P", "Q" or "U" ratio	
	1/2" square drive (standard)	R1801P-8
	1/2" square drive (1" longer than standard)	R1801P-308-1
	For "W" ratio	
	5/8" square drive (standard)	R1801W-8
	5/8" square drive (1" longer than standard)	R1801W-308-1
• 33	Spindle Rear Bearing	R1AP-97
34	Spindle Planet Gear (3)	
	For "P", "Q" or "U" ratio (17 teeth)	R1801P-9
	For "W" ratio (19 teeth)	R1801W-9
35	Spindle Planet Gear Bearing (3)	R1AL-645
36	Spindle Planet Gear Shaft (3)	R1801-190
• 37	Spindle Front Bearing	4UA9-593
40	Air Strainer (1 for Series 1801 or 1811; 2 for Series 1841 or 1851)	R18-465A
41	Air Strainer Screen (1 for each strainer)	402-61
	Offset Head Assembly	
	For "P", "Q" or "U" ratio	R1811P2-A147
	For "W" ratio	R3810P2-A147
44	Offset Gear Housing	R3810-147
45	Grease Fitting	23-188
• 46	Gear Housing Bearing (Torrington No. M9121 or its equivalent) (2)	R3810-143
• 47	Socket Driver Thrust Bearing (Norma-Hoffman DL-15 or its equivalent)	R3810-105
48	Socket Driver Thrust Washer	R3810-706
49	Gear Housing Cover Gasket	R3810-592
50	Offset Gear Housing Cover	R3810-148

★ **IMPORTANT**: The complete size symbol stamped on these parts must be stated when ordering a replacement Motor Housing or Exhaust Deflector.

• 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.



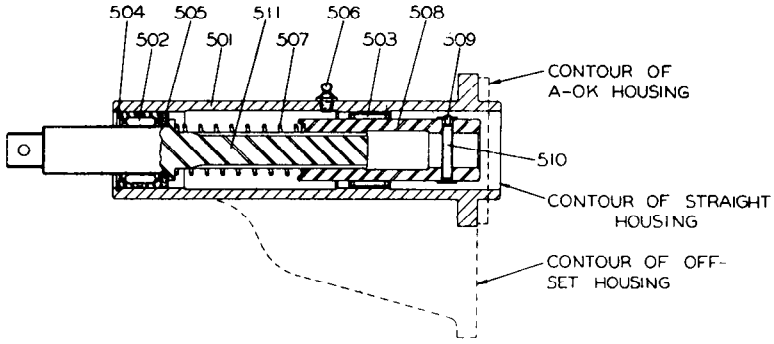
Offset Head Assembly

		PART NUMBER FOR ORDERING			PART NUMBER FOR ORDERING
• 51	Gear Housing Cover Bearing (Torrington No. M9121 or its equivalent) (2)	R3810-143	57	Drive Gear	
• 52	Socket Driver Front Bearing (Torrington No. B-1316 or its equivalent)	R3810-593		For "P", "Q" or "U" ratio	R1811-146
• 53	Socket Driver Seal	R3810-271		For "W" ratio	R3810-146
54	Socket Driver		*	Housing Cover Small Cap Screw (2)	510-638
	1/2" Square Drive	R1811-145-1/2	*	Housing Cover Large Cap Screw (2)	R3810-126
	5/8" Square Drive	R3810-145-5/8	*	1/4" Lock Washer (2)	8U-58
55	Intermediate Gear	R3810-142	*	5/16" Lock Washer (2)	34U-58
56	Intermediate Gear Spacer	R3810-149	58	Housing Cap Screw (2)	34U-103
			59	5/16" Lock Washer (2)	34U-58

* Not illustrated.

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SPRING LOADING ATTACHMENTS



GUIDED SPRING LOADING ATTACHMENTS

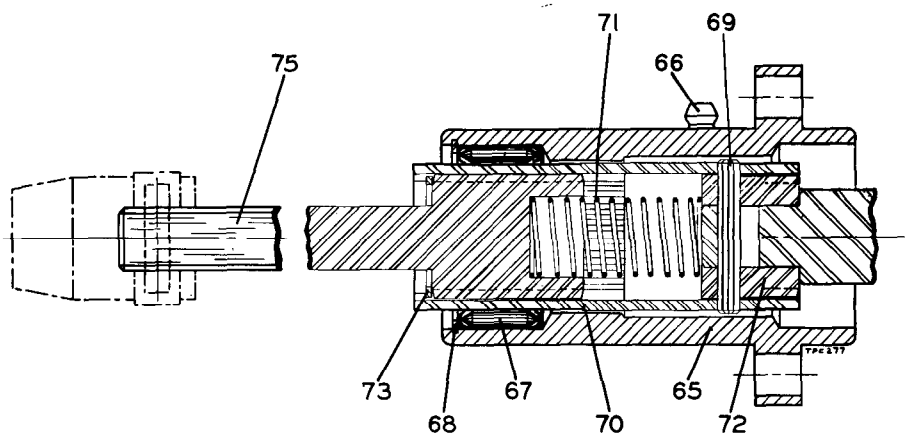
These are new Spring Loading Attachments. Before ordering repair parts for an Attachment now in service, make certain you have properly identified that Attachment.

Repair parts for the superseded Spring Loading Attachments remain available.

		PART NUMBER FOR ORDERING	
		For "P", "Q" or "U" ratio	For "W" ratio
	Guided Spring Loading Attachment		
	Standard Length Driver; Straight Housing	R1801-A504-1	R3800-A504-1
	1" Extended Driver; Straight Housing	R1801-A504-2	R3800-A504-2
	2" Extended Driver; Straight Housing	R1801-A504-3	R3800-A504-3
	Standard Length Driver, Offset Housing	R1811-A504-1	R3810-A504-1
	1" Extended Driver; Offset Housing	R1811-A504-2	R3810-A504-2
	2" Extended Driver; Offset Housing	R1811-A504-3	R3810-A504-3
	Standard Length Driver; A-OK Housing	R1801-A604-1	R3800-A604-1
	1" Extended Driver; A-OK Housing	R1801-A604-2	R3800-A604-2
	2" Extended Driver; A-OK Housing	R1801-A604-3	R3800-A604-3
501	Housing Assembly		
	Straight Housing	R3800-A505	R3800-A505
	Offset Housing	R3810-A505	R3810-A505
	A-OK Housing	R3800-A605	R3800-A605
• 502	Driver Front Bearing (Torrington B-1812)	R3800-509	R3800-509
• 503	Driver Rear Bearing (Torrington HF-142212)	R3800-510	R3800-510
504	Snap Ring	R3800-508	R3800-508
505	Driver Thrust Plate	R3800-511	R3800-511
506	Grease Fitting	R1-188	R1-188
507	Spring	R3800-127	R3800-127
508	Coupling	R1801-506	R3800-506
509	Pin Retainer	R3800-628	R3800-628
510	Coupling Pin	MP1-15A	MP1-15A
511	Driver		
	Standard Length	R1800-507-1	R3800-507-1
	1" Extension	R1801-507-2	R3800-507-2
	2" Extension	R1801-507-3	R3800-507-3

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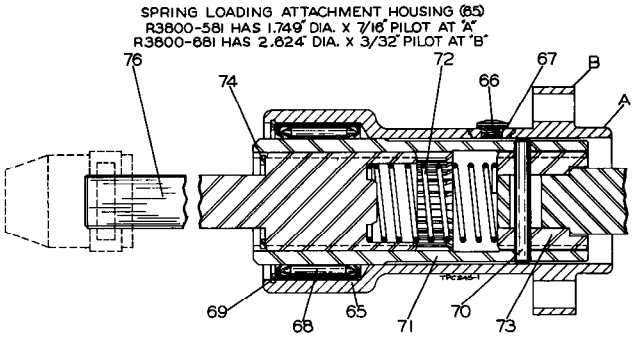
SUPERSEDED SPRING LOADING ATTACHMENT
For Size 1801P2, 1801Q2, 1801U2, 1841P2, 1841Q2 or 1841U2 Motor



		PART NUMBER FOR ORDERING
65	Spring Loading Attachment Housing	R1801-581
66	Grease Fitting	R1-188
• 67	Spindle Sleeve Bearing (Torrington No. B1910 or its equivalent)	R1801-606
68	Sleeve Bearing Retainer	R1801-6
69	Spindle Pin	R1801-15
70	Spindle Sleeve	R1801-304
71	Spindle Loading Spring (New Style 41/64" dia. x 2-7/8")	R1801-127
72	Drive Collar (New Style)	R1801-306A
73	Collar Retainer	R1801-119A
75	Socket Driver	
	New Style with Integral Drive Collar	
	1" Extension	R1801-407-1
	2" Extension	R1801-407-2
	3" Extension	R1801-407-3

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SUPERSEDED SPRING LOADING ATTACHMENTS
For Size 1801W2 or 1841W2 Motor



		PART NUMBER FOR ORDERING
65	Spring Loading Attachment Housing	
	With Pilot at "A" (see illustration)	R3800-581
	With Pilot at "B" (see illustration)	R3800-681
66	Grease Plug	R00A-95
67	Grease Plug Washer	R3-92A
• 68	Spindle Sleeve Bearing (Torrington No. B2416 or its equivalent)	BU-466
69	Sleeve Bearing Retainer	R3800-6
70	Spindle Pin	R3800-15
71	Spindle Sleeve	R3800-304
72	Spindle Loading Spring (New Style 7/8" dia. x 3-5/8")	R3800-127
73	Drive Collar	R3800-306
74	Socket Driver Retainer	R3800-120
76	Socket Driver (New Style with Integral Drive Collar)	
	1" Extension	R3800-407-1
	3" Extension	R3800-407-3

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