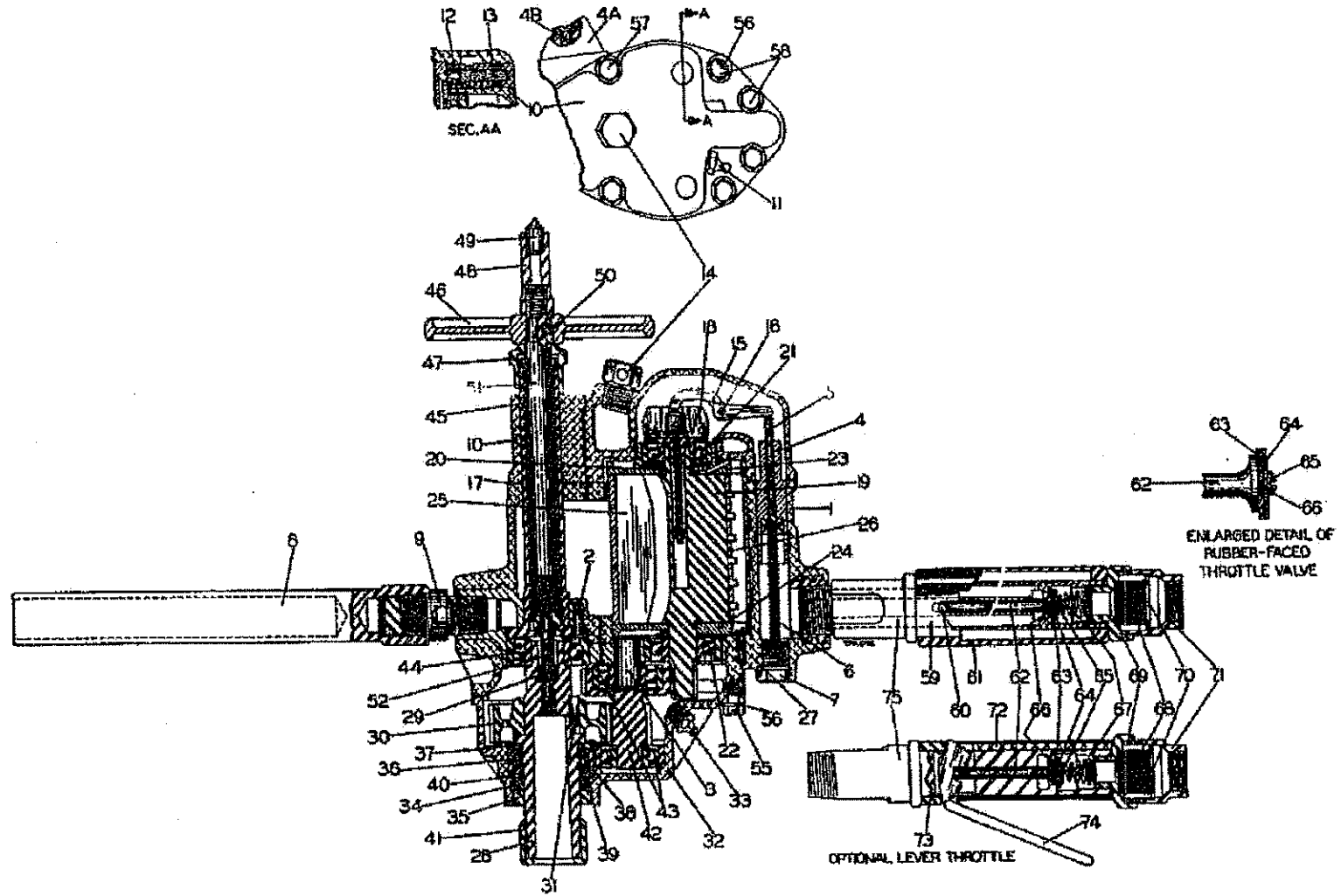


Parts for IR 3SJ and 3SK Non-Reversible Multi-Vane Air Drill



**REPAIR PART LIST
NON-REVERSIBLE MULTI-VANE DRILLS**

ILLUS NO.	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NO. FOR ORDERING	ILLUS NO.	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NO. FOR ORDERING
			32		
1	MOTOR HOUSNG	R3H-40B		GEAR CASE	RM3H-37A
2	FEED SCREW DOWEL	R3H-527	33	GREASE FITTING	23-188
3	INTERMEDIATE GEAR BEARING STUD	R3H-502	34	SPINDLE PACKING (2)	R3H-14
4	GOVERNOR VALVE BUSHING	R3H-429A	35	SPINDLE PACKING NUT	R3H-15
4A	EXHAUST DEFLECTOR	R33H-23	36	SPINDLE BEARING RACE	R3H-510
4B	EXHAUST DEFLECTOR SCREW	R3H-312	37	SPINDLE BEARING TOP PLATE	R3H-511
5	GOVERNOR VALVE	R3H-425A	38	SPINDLE BEARING ROLLER (16)	R3H-512
6	GOVERNOR VALVE SPRING	R3H-431	39	SPINDLE BEARING CAGE	R3H-513
7	GOVERNOR VALVE CAP	R3H-433	40	SPINDLE BEARING BOTTOM PLATE	R3H-514
8	DEAD HANDLE	TC-48	41	PROTECTION NUT	T02-43A
9	DEAD HANDLE STUD	TC-364	42	INTERMEDIATE GEAR	
10	BACK HEAD	R3H-102A		FOR SIZE 3SJ	R3J-82A
11	GREASE FITTING	23-188		FOR SIZE 3SK	R3SK-82A
12	OILER ADJUSTING SCREW (2)	JA4-71	43	INTERMEDIATE GEAR BEARING (2)	TB-394
13	OILER FELT (8)	JA4-75		(AFBMA NO. 15BC03	
14	OIL CHAMBER PLUG	P25-227	* 44	SPINDLE TRUST BEARING (AFBMA NO. 20BL03)	D04-366
15	GOVERNOR LEVER	R4F-436	45	OUTER FEED SCREW	R3H-290A
16	GOVERNOR LEVER PIN	MP1-15A		FEED SCREW ASSEMBLY	R3H-A291
* 17	BACK HEAD GASKET	R3H-283	46	FEED HANDLE	TC-2
18	WEIGHT-TYPE GOVERNOR ASSY	R3H-A424	47	FEED SCREW CAP	TC-392
19	ROTOR	R33H-53B	48	FEED HANDLE LOCK NUT	TC-388A
20	ROTOR BEARING SPACER	R3H-65	49	FEED SCREW CENTER	TC-244
* 21	REAR ROTOR BEARING (special purchase from Ingersoll Rand)	R3H-22	50	FEED HANDLE KEY	TC-18
* 22	FRONT ROTOR BEARING (AFBMA No. 17BC03JP)	R3H-24	51	INNER FEED SCREW	R3H-291
			52	DRILL EJECTING PIN	R3SH-114
* 23	REAR END PLATE	R3H-12	*	GEAR CASE BOLT (3)	R3H-103
* 24	FRONT END PLATE	R3H-11	*	GEAR CASE BOLT NUT (3)	T06-139
* 25	VANE PACKET (SET OF 5)	R3H-42A-5	55	GEAR CASE CAP SCREW (3)	R3H-68A
* 26	CYLINDER	R3H-3A	56	1/4" LOCK WASHER (12)	L01-67
27	CYLINDER DOWEL	R3H-98A	57	BACK HEAD LONG CAP SCREW (2)	R3H-66
	SPINDLE ASSEMBLY		58	BACK HEAD SHORT CAP SCREW (4)	R3H-57
	FOR SIZE 3SJ	R3SJ-A108			
	FOR SIZE 3SK	R3SK-A108			
28	SPINDLE	R3SH-108			
29	EJECTING PIN PACKING	R3H-408			
30	SPINDLE GEAR				
	FOR SIZE 3SJ	R3J-9			
	FOR SIZE 3SK	R3SK-9			
31	SPINDLE GEAR KEY	TB-410			

* NOT ILLUSTRATED

Crowder Supply Co., Inc. 8495 Roslyn St Commerce City, CO 80022 (303) 433-5144 FAX: (303) 433-3928 Toll Free: (888) 883-5144 www.crowdersupply.com

ILLUS NO.	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NO. FOR ORDERING		
		ROLL THROTTLE		SELF-CLOSING LEVER
		MANUAL CLOSING	SELF CLOSING	
	THROTTLE ASSEMBLY	R3H-A401	R3H-A417	R3H-AL401
59	THROTTLE - CAM	T01-3017A	T01-317A	----
60	THROTTLE VALVE LIFT PIN	TCC-306A	TCC-306A	---
61	THROTTLE SLEEVE	TCL-305	TCL-305	---
62	RUBBER-FACED THROTTLE VALVE	R3H-402	R3H-402	R3H-402
* 63	THROTTLE VALVE FACE	8000-159A	8000-159A	8000-159A
64	THROTTLE VALVE FACE CAP	8000-157	8000-157	8000-157
65	THROTTLE VALVE FACE RETAINING SCREW	R4-158	R4-158	R4-158
66	RETAINING SCREW LOCK WASHER	H54U-352	H54U-352	H54U-352
67	THROTTLE VALVE SPRING	T01-308	TAA-418	T01-308
	AIR STRAINER ASSEMBLY	R3H-A565	R3H-A565	R3H-A565
68	AIR STRAINER SCREEN	R3H-61	R3H-61	R3H-61
69	AIR STRAINER CAP	R3H-566	R3H-566	R3H-566
70	AIR STRAINER SCREEN SUPPORT	R3H-567	R3H-567	R3H-567
71	AIR STRAINER BODY	R3H-565	R3H-565	R3H-565
72	LEVER THROTTLE SLEEVE	---	---	R2J-269
73	THROTTLE LEVER SPACER	---	---	R2J-270
74	THROTTLE LEVER	---	---	R2J-273
75	THROTTLE BODY	R3H-401	R3H-401	R3H-401

** In compliance with the Williams-Steiger Occupational Safety and Health Act, Manual-Closing throttle assemblies and parts used exclusively for Manual-Closing Throttles will be furnished only on international orders.

USE EM UP SPINDLES AND EXTENSION SPINDLES

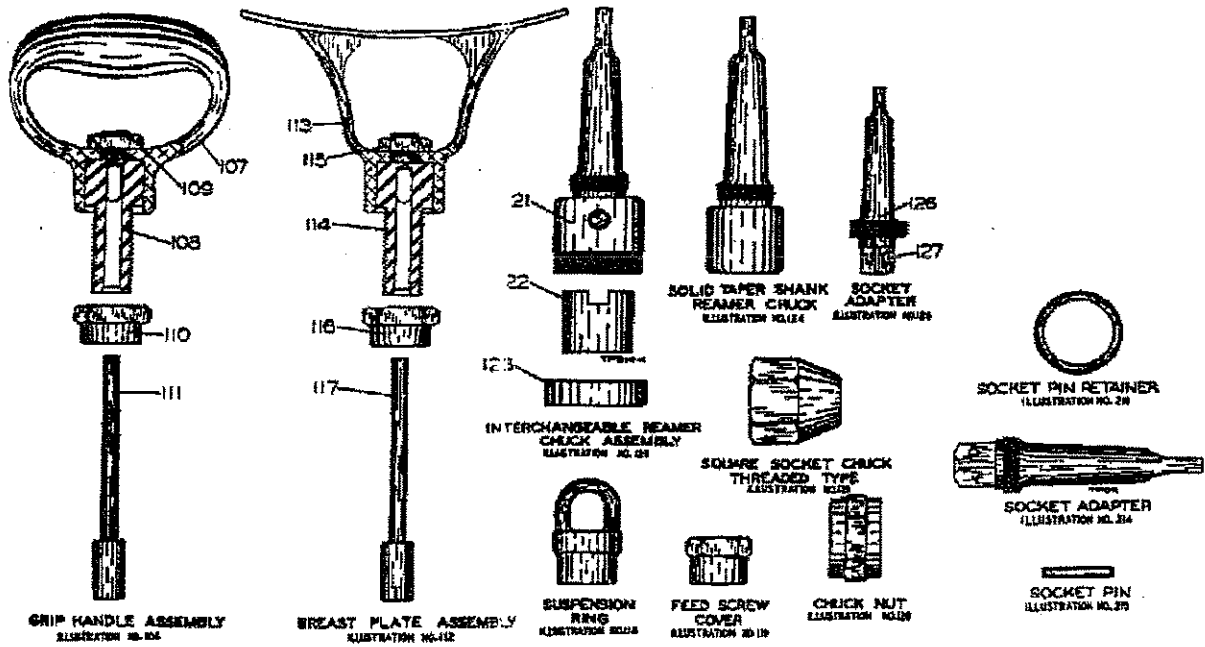
Order a Use-Em-Up Spindle or an Extension Spindle by the part number shown in the table below.

With the exception of the Spindle, the same parts are included in a Use-Em-Up Spindle Assembly or an Extension Spindle Assembly as in a Standard Spindle Assembly.

The following table also lists the Use-Em-Up Ejecting Pins that must be used with Use-Em-Up Spindles.

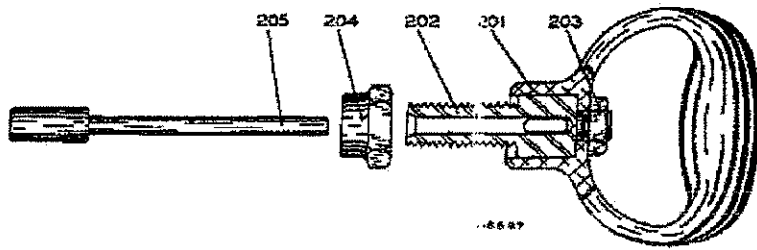
PART NAME FOR ORDERING	PART NUMBER FOR ORDERING	
	3SJ	3SK
USE EM UP SPINDLE ASSEMBLY	R3SJ-A294	R3SK-A294
USE EM UP SPINDLE	R3SH-294	R3SH-294
USE EM UP EJECTING PIN	R3SH-395	R3SH-395
EXTENSION SPINDLE ASSEMBLY	R3SJ-A327	R3SK-A327
EXTENSION SPINDLE	R3SH-327	R3SH-327

SPECIAL EQUIPMENT FOR DRILLS

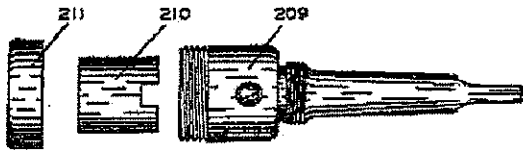


ILLUS NO.	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NO. FOR ORDERING
106	GRIP HANDLE ASSEMBLY	TC-A41
107	GRIP HANDLE	TA-41
108	GRIP HANDLE STUD	TC-448
109	GRIP HANDLE STUD NUT	B12-249
110	GRIP HANDLE NUT	TC-447
111	GRIP HANDLE EJECTING PIN	R3H-50
112	BREAST PLATE ASSEMBLY	TC-A79
113	BREAST PLATE	TC-79
114	BREAST PLATE STUD	TC-448
115	BREAST PLATE STUD NUT	B12-249
116	BREAT PLATE NUT	TC-447
117	BREAST PLATE EJECTING PIN	R3H-50
118	SUSPENSION RING	TC-365
119	FEED SCREW COVER	TC-461
120	INTERCHANGEABLE REAMER CHUCK ASSY (specify size bushing required)	T02-A45A
121	TAPER SHANK REAMER CHUCK FOR INTERCHANGEABLE BUSHING	T02-45A
122	INTERCHANGEABLE REAMER CHUCK BUSHING (5/8, 11/16, 3/4, 13/16 OR 1" SQUARE DRIVE HOLE AS SPECIFIED)	T01-38
123	INTERCHANGEABLE REAMER CHUCK CAP	T01-54
124	SOLID TAPER SHANK REAMER CHUCK (5/8, 3/4, 7/8 OR 1" SQUARE DRIVE HOLE AS SPECIFIED)	T02-255A
125	SQUARE SOCKET CHUCK, THREADED TYPE (3/8, 3/4, 7/8 OR 1" SQUARE DRIVE HOLE AS	T02-342
128	CHUCK NUT	T12-347
214	SOCKET ADAPTER (NO. 3 MORSE TAPER TO 3/4" SQUARE DRIVE)	R4J-214
215	SOCKET PIN	W54-215
216	SOCKET PIN RETAINER	R4-103
*	MALE HOSE NIPPLE (3/4" HOSE TO 1/2" MALE PIPE)	A03-46
*	MALE HOSE NIPPLE (1/2" HOSE TO 1/2" MALE PIPE)	D02-455

SPECIAL EQUIPMENT FOR DRILLS



GRIP HANDLE ASSEMBLY
ILLUSTRATION NO.200



INTERCHANGEABLE REAMER CHUCK ASSEMBLY
ILLUSTRATION NO.208



CHUCK NUT
ILLUSTRATION NO.217



SOLID TAPER SHANK REAMER CHUCK
ILLUSTRATION NO.212



SOCKET PIN RETAINER
ILLUSTRATION NO.216



SUSPENSION RING
ILLUSTRATION NO.206



FEED SCREW COVER
ILLUSTRATION NO.207



**SQUARE SOCKET CHUCK
THREADED TYPE**
ILLUSTRATION NO.213



SOCKET ADAPTER
ILLUSTRATION NO.214



SOCKET PIN
ILLUSTRATION NO.215

ILLUS NO.	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NO. FOR ORDERING
200	GRIP HANDLE ASSEMBLY	TC-A41
201	GRIP HANDLE	TA-41
202	GRIP HANDLE STUD	TC-448
203	GRIP HANDLE STUD NUT	TC-449
204	GRIP HANDLE NUT	TC-447
205	GRIP HANDLE EJECTING PIN	R3H-50
206	SUSPENSION RING	TC-365
207	FEED SCREW COVER	TC-461
208	INTERCHANGEABLE REAMER CHUCK ASSEMBLY (SPECIFY SIZE BUSHING REQUIRED)	T1SE-A45A
209	TAPER SHANK REAMER CHUCK FOR INTERCHANGEABLE BUSHING	T1SE-45A
210	INTERCHANGEABLE REAMER CHUCK BUSHING (3/4, 1, 1-1/16, 1-1/8, 1-3/16, OR 1-1/4" SQUARE DRIVE HOLE AS SPECIFIED)	T1SE-38
211	INTERCHANGEABLE REAMER CHUCK CAP	T1SE-54
212	SOLID TAPER SHANK REAMER CHUCK (1 OR 1-3/16" SQUARE DRIVE HOLE AS SPECIFIED)	T1SE-255A
213	SQUARE SOCKET CHUCK, THREADED TYPE (FOR SIZE 3P5)	T1SE-342
214	SOCKET ADAPTER (NO 5 MORSE TAPER TO 1" SQUARE DRIVE)	R5SM-214
215	SOCKET PIN	34U-215A
216	SOCKET PIN RETAINER	34U-216
217	CHUCK NUT	T1SE-347
*	MALE HOSE NIPPLE (3/4" HOSE TO 1/2" MALE PIPE)	A03-46

ILLUS NO.	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NUMBER FOR ORDERING		
		SIZE 3P551	SIZE 33P551	
			WITH INDEPEND REVERSE	WITH REMOTE CONTROL
	SPINDLE ASSEMBLY	R3P551-B8	R3P551-B8	R3P551-B8
250	SPINDLE	R3P551-8	R3P551-8	R3P551-8
	(All other parts included in the Spindle Assembly of Base-Mounted Motors are the same as in the Spindle Assembly of Drills. See page 6)			
251	MOTOR HOUSING (INCLUDES ILLUS NO. 2, 3, 6 (2), 7 (2), 8 (2), 9 AND 15)	---	R33H51-40A	---
	(INCLUDES ILLUS NO. 2, 3, 6(2), 7(2), 8(2), 10, 11, 12, 13, 14, AND 15)	--	--	R33H51-RC40
252	GEAR CASE COVER	R5SM51-378	R5SM51-378	R5SM51-378
253	MOTOR MOUNTING STUD	R33SM51-290	R33SM51-290	R33SM51-290
254	FRONT MOUNTING BRACKET	R5SM51-303	R5SM51-303	R5SM51-303
255	REAR MOUNTING BRACKET	R3P551-304	R3P551-304	R3P551-304
256	REAR MOUNTING BRACKET SPACER	R33SM51-277	R33SM51-277	R33SM51-277
257	MOTOR MOUNTING STUD CAP	R33SM51-461	R33SM51-461	R33SM51-461
258	GEAR CASE ANCHOR	R3P551-364	R3P551-364	R3P551-364
259	BASE CAP SCREW (8)	D02-411A	D02-411A	D02-411A
260	BASE CAP SCREW LOCK WASHER (8)	D10-322	D10-322	D10-322
261	MOTOR MOUNTING BASE	R55SM51-564	R55SM51-564	R55SM51-564