

THIS SECTION COVERS MODEL 234

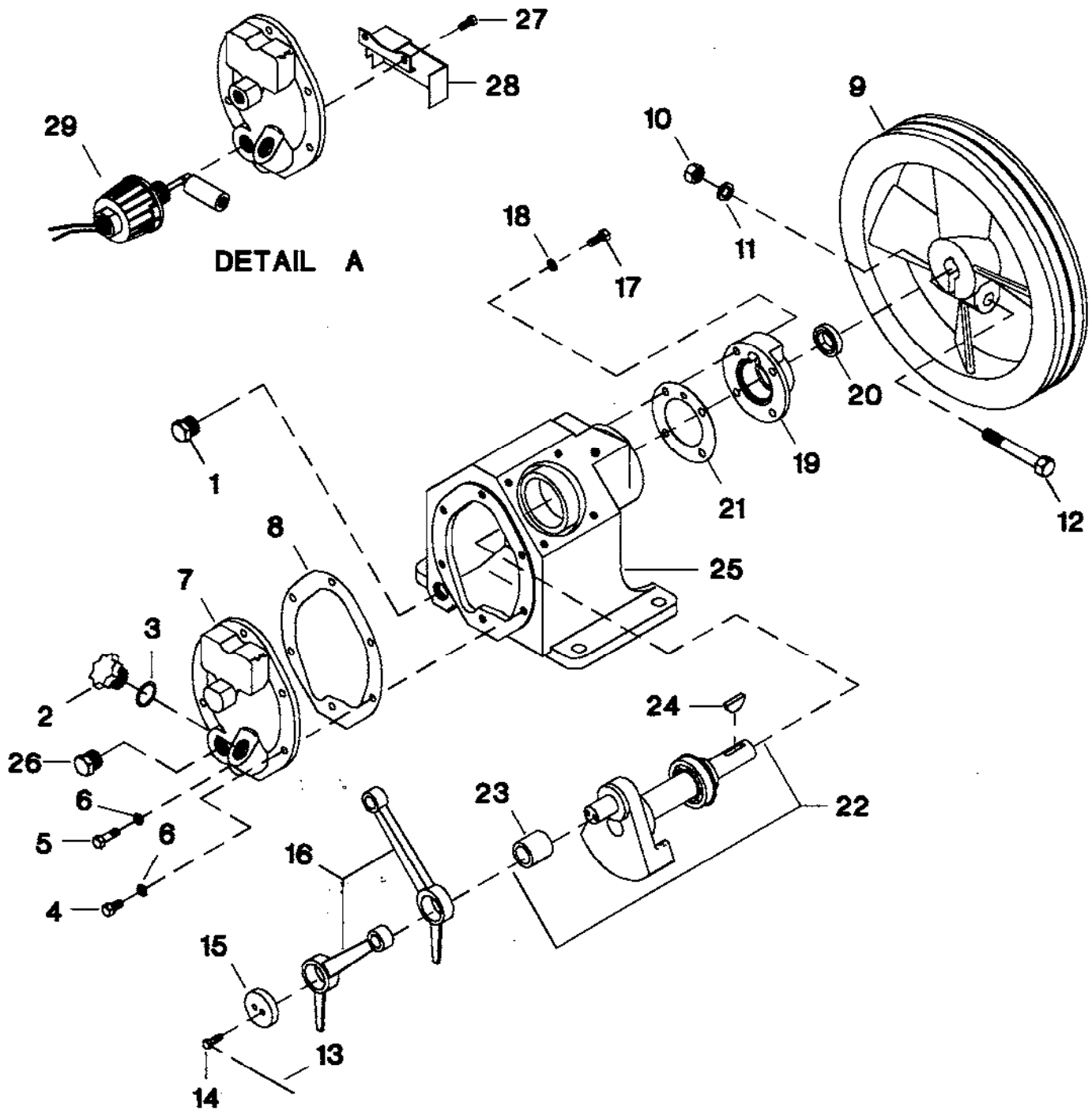


FIGURE 1. COMPRESSOR FRAME ASSEMBLY

REF. NBR.	PART NUMBER	DESCRIPTION	UNITS PER ASSY.	SPARES		
				1	2	3
1-1	95344651	PLUG, PIPE - HEX HEAD 1/2"	1			
1-2	30216055	PLUG, OIL FILLER - COMPLETE	1			
1-3	95022158	• O-RING	1	1	1	2
1-4	95227302	CAPSCREW - HEX 5/16-18x7/8"	5			
1-5	95079984	CAPSCREW - HEX 5/16-18x1-1/4"	1			
1-6	95674651	GASKET - COPPER WASHER	6			
1-7	32270589	COVER, FRAME END	1			
1-8	30299226	GASKET, FRAME END COVER	1	1	1	2
1-9	30212906	WHEEL, V-BELT	1			
1-10	95077798	• NUT - HEX 1/2-13	1			
1-11	95716890	• LOCKWASHER, SPRING - 1/2"	1			
1-12	95053682	• CAPSCREW - HEX 1/2-13x3-1/2"	1			
1-13	90799289	LOCKWIRE	1			
1-14	95044111	CAPSCREW - HEX 1/4-20x3/4"	2			
1-15	30210314	CAP, CRANKPIN	1			
1-16	32004145	ROD, CONNECTING	2		2	2
1-17	95227302	CAPSCREW - HEX 5/16-18x7/8"	4			
1-18	95674651	GASKET - COPPER WASHER	4			
1-19	37127032	COVER, SHAFT END	1			
1-20	32204521	SEAL, OIL	1		1	2
1-21	30295034	GASKET, SHAFT END COVER	1	1	1	2
1-22	30211577	CRANKSHAFT - COMPLETE	1			
1-23	30289813	• BUSHING, CRANKPIN	1			
1-24	95433173	• KEY, WOODRUFF	1			
1-25	30222327	FRAME, COMPRESSOR	1			
1-26	95200333	PLUG, PIPE - HEX HEAD - 3/4"	1			
		DETAIL A				
1-27	95053070	CAPSCREW - HEX 1/4-20x1/2"	2			
1-28	32270369	BAFFLE, LOW OIL LEVEL SWITCH	1			
1-29	32276313	SWITCH, LOW OIL LEVEL (OPTIONAL)	1			
		IF BEARING AND CONNECTING ROD REPLACEMENT IS DESIRED, WE RECOMMEND A BEARING/CONNECTING ROD KIT.				

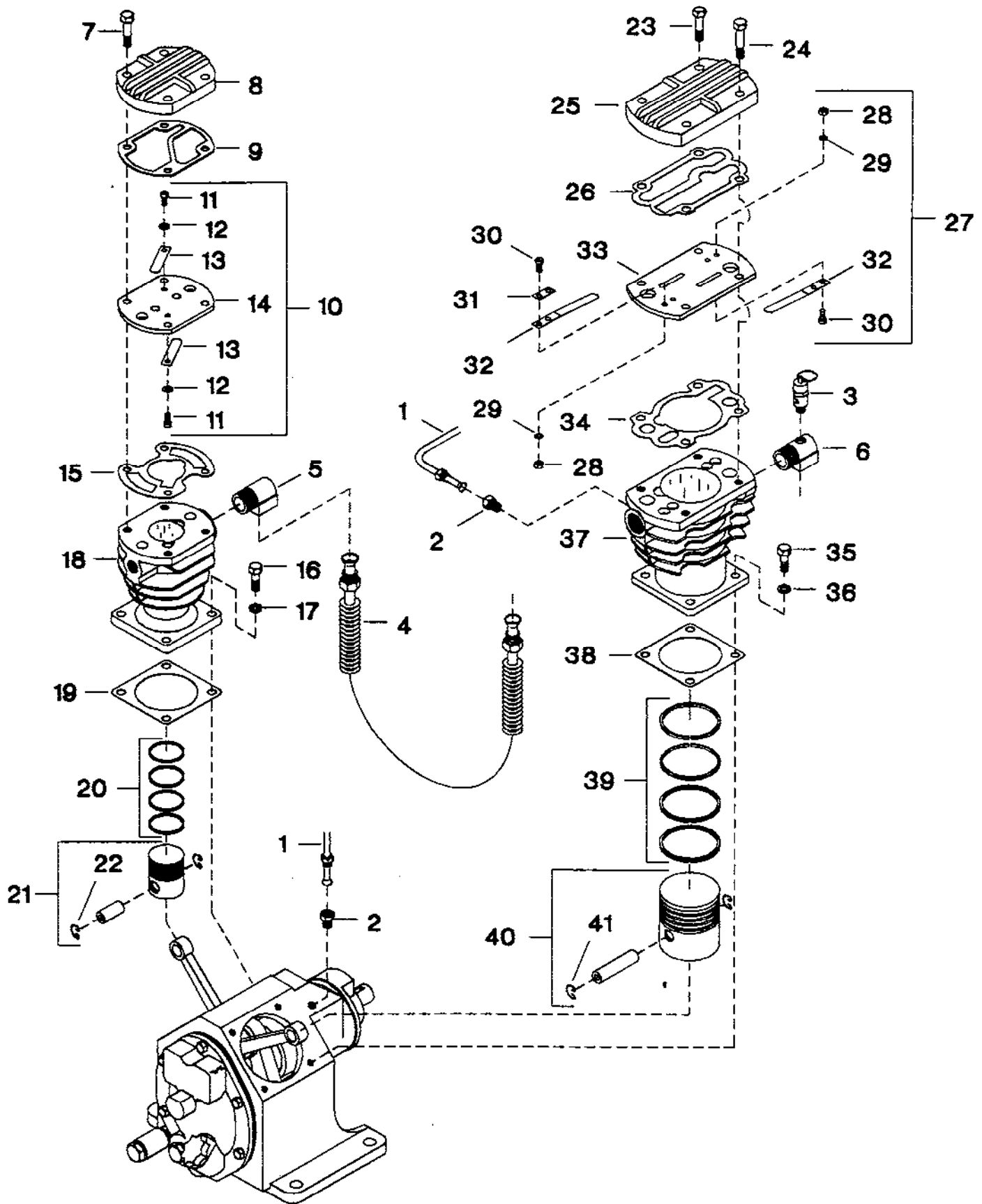


FIGURE 2. MODEL 234 COMPRESSOR, 1ST AND 2ND STAGE CYLINDER

REF. NBR.	PART NUMBER	DESCRIPTION	UNITS PER ASSY.	SPARES		
				1	2	3
2-1	37003746	TUBE ASSEMBLY, BREATHER	1			
2-2	95082483	CONNECTOR, MALE - 5/16x1/8"	2			
2-3	72062151	VALVE, RELIEF - 60 PSIG	1		1	2
2-4	32237299	TUBE ASSEMBLY, FINNED - INTERCOOLER	1		1	1
2-5	95031761	ELBOW, TUBE - 3/4x3/4"	1			
2-6	30212682	ELBOW, TUBE - INTERCOOLER - 3/4x3/4"	1			
2-7	95103792	CAPSCREW - HEX 3/8-16x1-1/2"	4			
2-8	32144578	AIRHEAD - HIGH PRESSURE	1			
2-9	32144552	GASKET, AIRHEAD	1	1	1	2
2-10	32145872	ASSEMBLY, SPACER/VALVE - HIGH PRESSURE	1		1	1
2-11	32035495	• SCREW, FILLISTER HEAD - 1/4-20x1/4"	2			
2-12	32217382	• WASHER, BELLEVILLE - 1/4"	2			
2-13	30220115	• VALVE, FINGER	2	2	2	2
2-14	32144560	• SPACER	1			
2-15	32144545	GASKET, SPACER	2	2	2	4
2-16	95053146	CAPSCREW - HEX 3/8-16x7/8"	4			
2-17	95674677	GASKET, COPPER - 3/8"	4			
2-18	32144586	CYLINDER, AIR - 1.75" - HIGH PRESSURE	1			
2-19	30294227	GASKET, FLANGE	1	1	1	2
2-20	37138237	SET, RING - 1.75"	1	1	1	2
2-21	30215180	PISTON, AIR - COMPLETE - 1.75 - HIGH PRESSURE	1		1	1
2-22	35151067	• RING, LOCK	2			
2-23	95103792	CAPSCREW - HEX 3/8-16x1-1/2"	3			
2-24	95103800	CAPSCREW - HEX 3/8-16x1-3/4"	1			
2-25	37127354	AIRHEAD - LOW PRESSURE	1			
2-26	32232761	GASKET, AIRHEAD	1	1	1	2
2-27	32141194	ASSEMBLY, SPACER/VALVE - LOW PRESSURE	1		1	1
2-28	95416335	• NUT - HEX 1/4-20	4			
2-29	32035479	• LOCKWASHER, SPRING - 1/4"	4			
2-30	32035461	• SCREW, FILLISTER HEAD - 1/4-20x1/2"	4			
2-31	32139891	• SHIM, FINGER VALVE	1			
2-32	30221170	• VALVE, FINGER	2	2	2	2
2-33	37127248	• SPACER	1			
2-34	30280499	GASKET SPACER	1	1	1	2
2-35	95053146	CAPSCREW - HEX 3/8-16x7/8"	4			
2-36	95674677	GASKET, COPPER - 3/8"	4			
2-37	37130630	CYLINDER, AIR - 3" - LOW PRESSURE	1			
2-38	30294227	GASKET, FLANGE	1	1	1	2
2-39	32194276	SET, RING - 3"	1	1	1	2
2-40	30292429	PISTON, AIR - COMPLETE - 3" - LOW PRESSURE	1		1	1
2-41	35151067	• RING, LOCK	2			
		IF PISTON RING REPLACEMENT IS DESIRED, WE RECOMMEND AN ECONOMICAL RING/GASKET KIT.				
		IF VALVE REPLACEMENT IS DESIRED, WE RECOMMEND AN ECONOMICAL VALVE/GASKET KIT.				

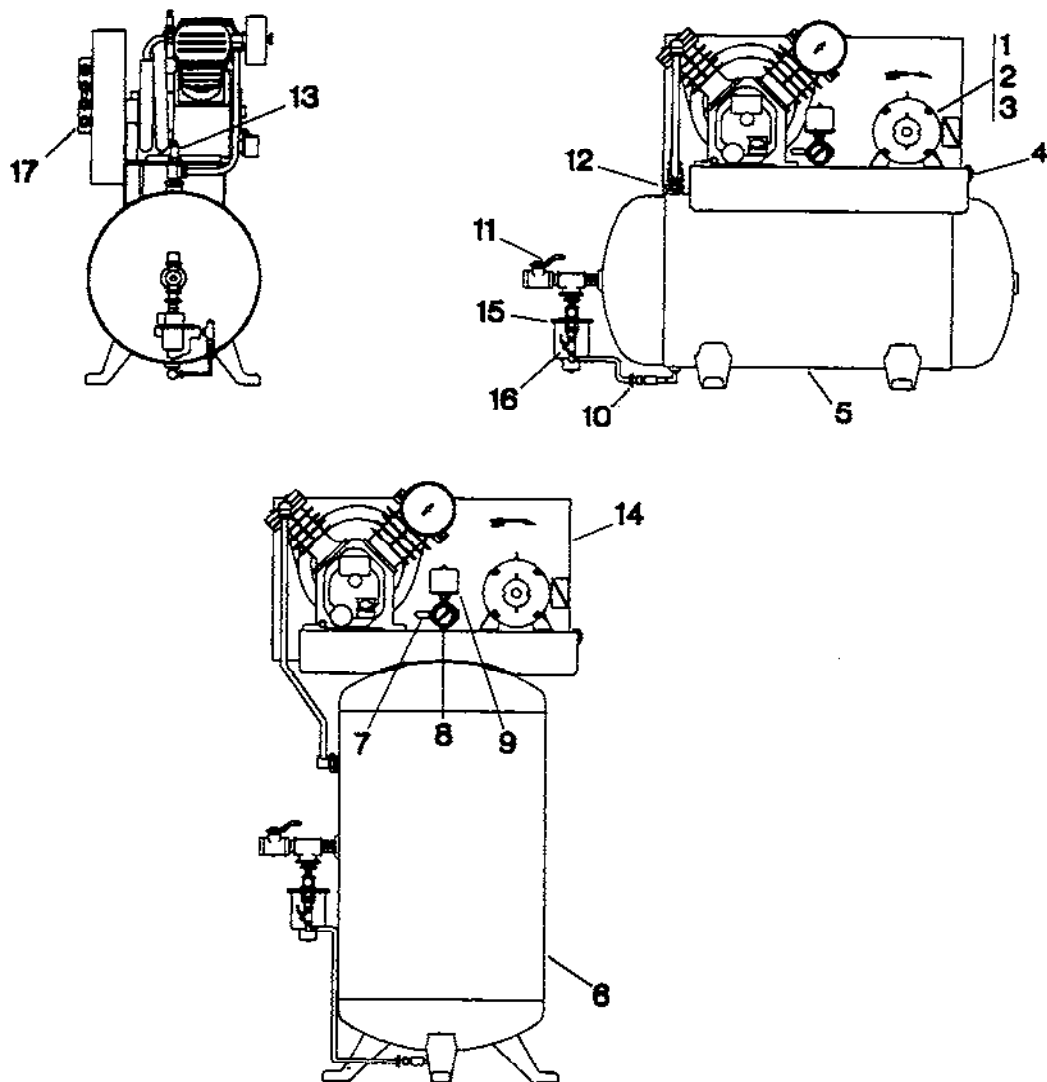


FIGURE 3. TYPICAL COMPRESSOR DRIVE, RECEIVERS AND ACCESSORIES

NOTES:

REF. NBR.	PART NUMBER	DESCRIPTION	UNITS PER ASSY.	SPARES		
				1	2	3
3-1	*	MOTOR, ELECTRIC	1			
3-2	*	PULLEY, MOTOR	1			
3-3	95099487	BELT, "V" (FOR 1.5 HP MOTOR)	1		1	1
3-3	95099503	BELT, "V" (FOR 2 & 3 HP MOTOR)	1		1	1
3-4	32192171	TIGHTENER, BELT - COMPLETE (FOR 1.5 & 2 HP MOTOR)	1			
3-4	32192197	TIGHTENER, BELT - COMPLETE (FOR 3 HP MOTOR)	1			
3-5	32190597	RECEIVER ASSEMBLY - 60 GAL., HORIZONTAL - 200 PSIG	1			
3-5	32250813	RECEIVER ASSEMBLY - 80 GAL., HORIZONTAL - 200 PSIG	1			
3-5	32251837	RECEIVER ASSEMBLY - 80 GAL., HORIZONTAL - 260 PSIG	1			
3-6	32192163	RECEIVER ASSEMBLY - 80 GAL., VERTICAL - 200 PSIG	1			
3-7	31385693	VALVE, RELIEF - RECEIVER - 200 PSIG	1			1
3-7	32174799	VALVE, RELIEF - RECEIVER - 260 PSIG	1			1
3-8	32013872	GAUGE, PRESSURE - 300 PSIG	1	1	1	1
3-9	37005907	SWITCH, PRESSURE - NEMA 1 - 200 PSIG	1	1	1	1
3-9	37005923	SWITCH, PRESSURE - NEMA 1 - 250 PSIG	1	1	1	1
3-10	32027120	VALVE, MANUAL DRAIN	1			
3-11	32180226	VALVE, BALL - 1/2" (SERVICE VALVE) 30 & 60 GAL. RECEIVERS	1			1
3-11	32180234	VALVE, BALL - 3/4" (SERVICE VALVE) ALL 80 GAL. RECEIVERS	1			1
3-12	32141558	VALVE, CHECK	1			1
3-13	32174286	VALVE, RELIEF - 325 PSIG (DISCHARGE)	1			1
3-14	32223612	BELTGUARD - COMPLETE	1			
***	32195224	SUB-BASE ASSEMBLY - FOR BASEPLATE UNITS	1			
***	37170917	UNLOADER, DISCHARGE - 175 PSIG - CONSTANT SPEED	1			
***	37119245	UNLOADER, DISCHARGE - 175 PSIG - DUAL CONTROL	1			
***	37155751	MUFFLER, DISCHARGE UNLOADER	1			
***	32212649	KIT, DECAL	1			
		OPTIONAL EQUIPMENT				
3-15	32005282	TRAP, AUTOMATIC CONDENSATE DRAIN	1			
3-16	32180200	VALVE, BALL - 1/4"	1			1
***	32147738	SWITCH, PRESSURE - NEMA 1 - 200 PSIG (WITH PRESSURE RELEASE VALVE)	1			
***	32146680	SWITCH, PRESSURE - NEMA 1 - 250 PSIG (WITH PRESSURE RELEASE VALVE)	1			
***	32016453	SWITCH, PRESSURE - NEMA 4 - 200 PSIG	1			
***	32061988	SWITCH, PRESSURE - NEMA 4 - 250 PSIG	1			
***	37113925	SWITCH, PRESSURE - NEMA 7 - 200 PSIG	1			
***	37188216	SWITCH, PRESSURE - NEMA 7 - 250 PSIG	1			
3-17	32244600	COIL, AIR COOLED AFTERCOOLER	1			

* SPECIFY DISCHARGE PRESSURE OF COMPRESSOR AND COMPLETE MOTOR NAMEPLATE DATA.

** PURCHASE FROM YOUR LOCAL INGERSOLL-RAND DISTRIBUTOR.

*** NOT SHOWN IN ILLUSTRATION.

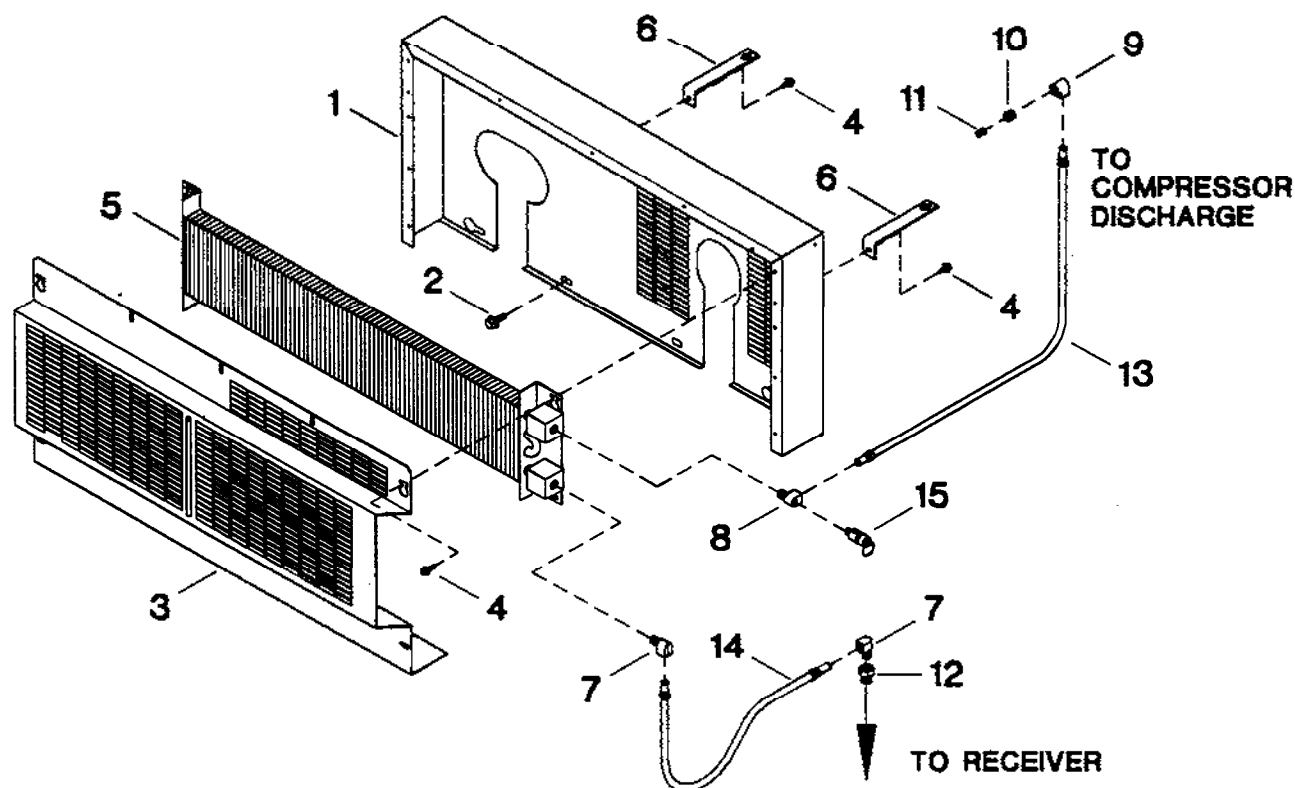


FIGURE 4. AIR COOLED AFTERCOOLER

REF. NBR.	PART NUMBER	DESCRIPTION	SUB-BASE	QUANTITY									
				AUTOMATIC START & STOP				CONSTANT SPEED					
				HP SUB-BASE	60 GAL. HORZ	80 GAL. HORZ	80 GAL. VERT	80 GAL. DPLX	HP SUB-BASE	60 GAL. HORZ	80 GAL. HORZ	80 GAL. VERT	80 GAL. DPLX
4-1	32281040	BACK, BELTGUARD	1	1	1	1	1	2	1	1	1	1	2
4-2	32000705	SCREW, TAPPING - $\frac{3}{8}$ -16x $\frac{3}{4}$ "	4	4	4	4	4	8	4	4	4	4	8
4-3	32281032	COVER, BELTGUARD -ACAC	1	1	1	1	1	2	1	1	1	1	2
4-4	32187056	SCREW, SELF-DRILLING	14	14	14	14	14	28	14	14	14	14	28
4-5	32244600	COIL, AFTERCOOLER	1	1	1	1	1	2	1	1	1	1	2
4-6	32217622	BRACE, BELTGUARD	2	2	2	2	2	4	2	2	2	2	4
4-7	95031795	ELBOW, TUBE - $\frac{5}{8}$ x $\frac{1}{2}$ "	1	1	2	2	2	4	1	2	2	2	2
4-8	32145070	ELBOW, TUBE - $\frac{5}{8}$ x $\frac{1}{2}$ "	1	1	1	1	1	2	1	1	1	1	2
4-9	32029548	ELBOW, FEMALE - $\frac{5}{8}$ x $\frac{1}{2}$ "	1	1	1	1	1	2	1	1	1	1	2
4-10	95037347	BUSHING, REDUCING - $\frac{1}{2}$ x $\frac{3}{8}$ "	1	1	1	1	1	2	1	1	1	1	2
4-11	95691077	NIPPLE, CLOSE - $\frac{3}{8}$ x1"	1	1	1	1	1	2	1	1	1	1	2
4-12	32178998	BUSHING, REDUCING - $\frac{3}{4}$ x $\frac{1}{2}$ "	-	-	-	-	-	-	-	1	1	1	2
4-12	32141558	VALVE, CHECK	-	1	1	1	1	2	-	-	-	-	-
4-13	32218919	TUBE - COMPRESSOR/ACAC	1	1	1	1	1	2	1	1	1	1	2
4-14	32250979	TUBE - ACAC/RECEIVER	-	-	1	-	-	-	-	-	-	-	-
4-14	32250664	TUBE - ACAC/RECEIVER	-	-	-	1	-	-	-	-	-	-	-
4-14	32251258	TUBE - ACAC/RECEIVER	-	-	-	-	1	-	-	-	-	-	-
4-14	32251159	TUBE - ACAC/RECEIVER	-	-	-	-	-	2	-	-	-	-	-
4-14	32250714	TUBE - ACAC/UNLOADER	-	-	-	-	-	-	1	-	1	-	-
4-14	32250995	TUBE - ACAC/UNLOADER	-	-	-	-	-	-	-	1	-	-	-
4-14	32251274	TUBE - ACAC/UNLOADER	-	-	-	-	-	-	-	-	-	1	-
4-14	32251175	TUBE - ACAC/RECEIVER	-	-	-	-	-	-	-	-	-	-	2
4-15	32174286	VALVE, RELIEF - 325 PSIG	1	1	1	1	1	2	1	1	1	1	2
**	95083226	CONNECTOR, MALE - $\frac{5}{8}$ x $\frac{1}{2}$ "	-	-	-	-	-	-	-	-	-	-	2

** - NOT ILLUSTRATED. Male connector (2 ea.) is installed in place of tube elbow (#7) at unloader connection.

ACAC - Air Cooled Aftercooler
DPLX - Duplex (Dual Compressor) Package

HORZ - Horizontal Receiver
HP - High Pressure

LP - Low Pressure
VERT - Vertical Receiver

STEP SAVER KITS

For your convenience, the following repair and/or spare parts for Model 234 are available in kits. When ordering, include the Part Number and Description as shown.

PART NUMBER	KIT DESCRIPTION
32298234	T30 SELECT COMPRESSOR LUBRICANT (QUART)
32159337	KIT, VALVE/GASKET
32198301	KIT, RING/GASKET
32127359	KIT, BEARING/CONNECTING ROD
32159311	KIT, GASKET