

THIS SECTION COVERS MODEL 242

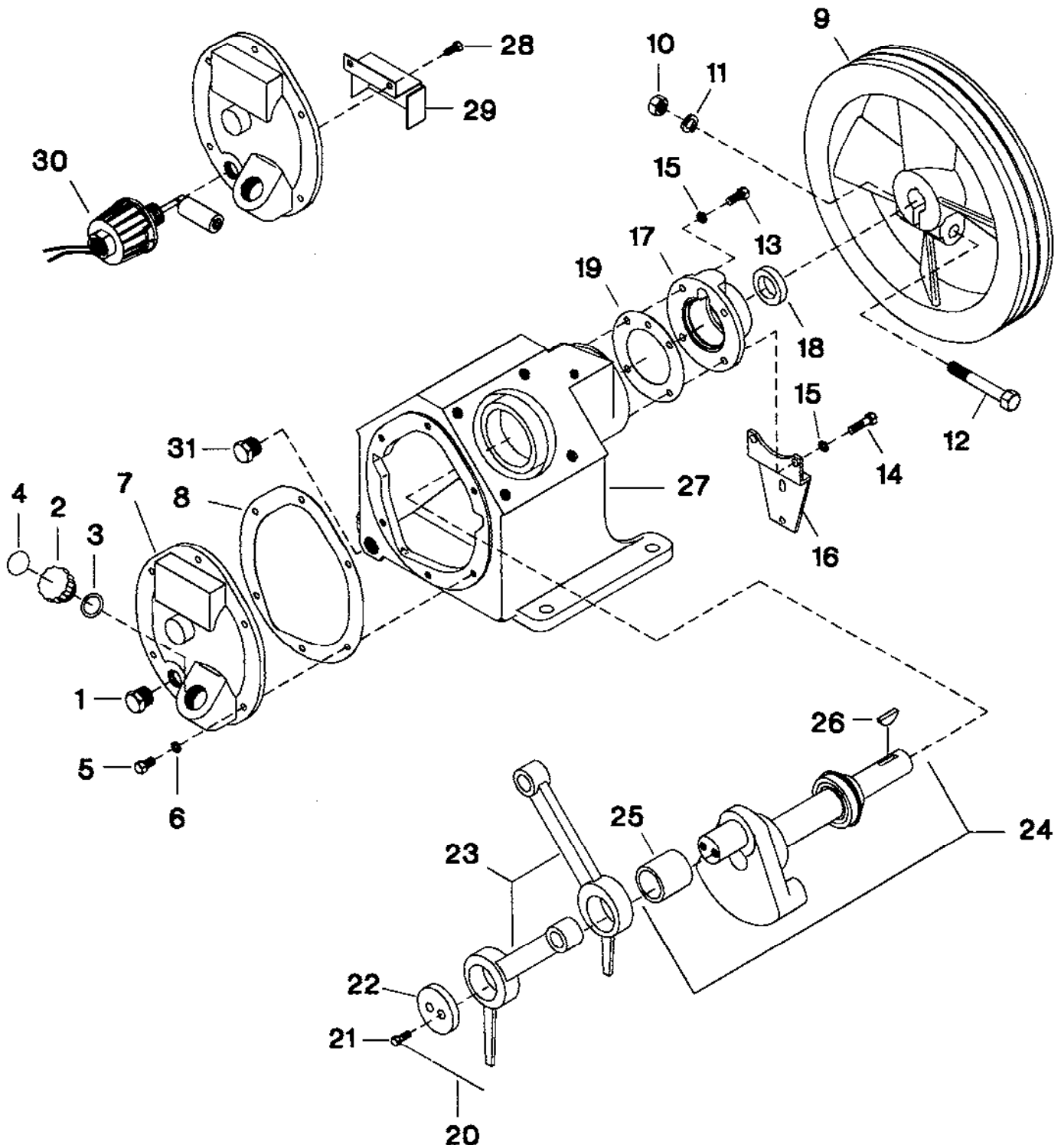


FIGURE 1. COMPRESSOR FRAME ASSEMBLY

REF. NBR.	PART NUMBER	DESCRIPTION	UNITS PER ASSY.	SPARES		
				1	2	3
1-1	95200333	PLUG, PIPE - HEX HEAD 3/4"	1			
1-2	30216055	PLUG, OIL FILLER - COMPLETE (INCLUDES O-RING)	1			
1-3	95022158	• O-RING	1	1	1	2
1-4	32000655	DECAL, HAND TIGHTEN	1			
1-5	95227302	CAPSCREW - HEX 5/16-18x7/8"	6			
1-6	95674651	GASKET - COPPER WASHER	6			
1-7	32270597	COVER, FRAME END	1			
1-8	30439319	GASKET, FRAME END COVER	1	1	1	2
1-9	32145146	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	95227302	CAPSCREW - HEX 5/16-18x7/8"	2			
1-14	95079984	CAPSCREW - HEX 5/16-18x1-1/4"	2			
1-15	95674651	GASKET - COPPER WASHER	4			
1-16	32157349	BRACKET INTERCOOLER CLAMP	1			
1-17	37127677	COVER, SHAFT END	1			
1-18	32204539	SEAL, OIL	1		1	2
1-19	30294995	GASKET, SHAFT END COVER	1	1	1	2
1-20	90799289	LOCKWIRE	1			
1-21	30278667	CAPSCREW - HEX 3/8-16x7/8"	2			
1-22	30210298	CAP, CRANKPIN	1			
1-23	32004152	ROD, CONNECTING	2		2	2
1-24	32146052	CRANKSHAFT - COMPLETE	1			
1-25	30210199	• BUSHING, CRANKPIN	1			
1-26	95433173	• KEY, WOODRUFF	1			
1-27	32012932	FRAME, COMPRESSOR	1			
1-28	95053070	CAPSCREW - HEX 1/4-20x1/2"	2			
1-29	32270647	BAFFLE, LOW OIL LEVEL SWITCH	1			
1-30	32276313	SWITCH, LOW OIL LEVEL (OPTIONAL)	1			
1-31	95344651	PLUG, PIPE - HEX HEAD 1/2"	1			

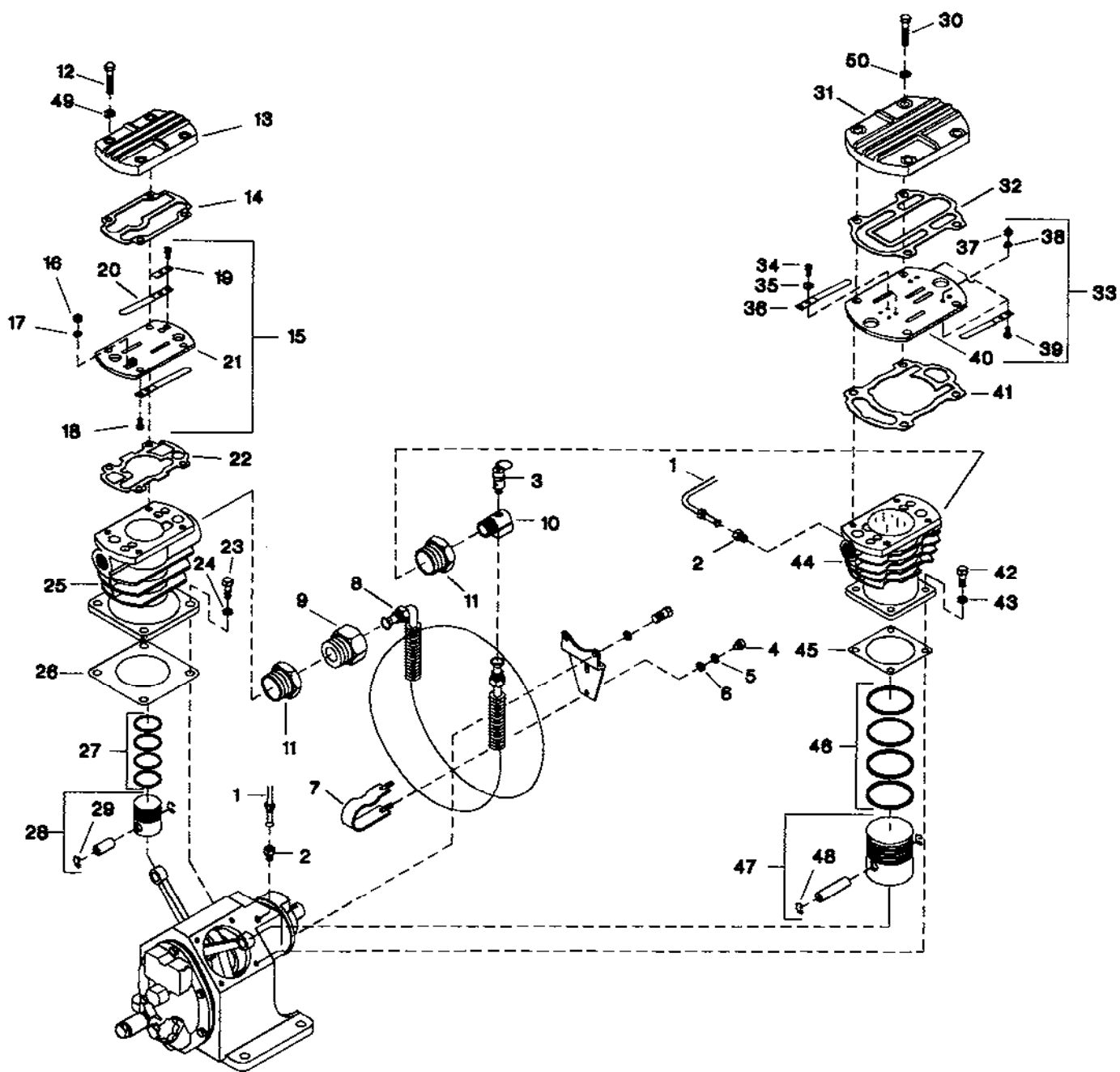


FIGURE 2. MODEL 242 COMPRESSOR, 1ST AND 2ND STAGE CYLINDER

REF. NBR.	PART NUMBER	DESCRIPTION	UNITS PER ASSY.	SPARES		
				1	2	3
2-1	37008042	TUBE ASSEMBLY, BREATHER	1			
2-2	95082483	CONNECTOR, TUBE - 5/16x1/8"	2			
2-3	72062151	VALVE, RELIEF - 60 PSIG	1		1	2
2-4	95416335	NUT - HEX 1/4-20	2			
2-5	32035479	LOCKWASHER, SPRING - 1/4"	2			
2-6	95094298	WASHER, FLAT - 1/4"	2			
2-7	32157356	CLAMP, TUBE - 3/4"	1			
2-8	32125262	TUBE ASSEMBLY, FINNED - INTERCOOLER	1		1	1
2-9	95083275	CONNECTOR, TUBE - 3/4x3/4"	1			
2-10	30212682	ELBOW, TUBE - 3/4x3/4" - INTERCOOLER	1			
2-11	95038048	BUSHING, REDUCING - 1x3/4"	2			
2-12	32246548	CAPSCREW - HEX 3/8-16x1-3/4"	4			
2-13	37127354	AIRHEAD - HIGH PRESSURE	1			
2-14	32246324	GASKET, AIRHEAD - HIGH PRESSURE	1	1	1	2
2-15	32141194	ASSEMBLY, SPACER/VALVE - HIGH PRESSURE	1		1	1
2-16	95416335	• NUT - HEX 1/4-20	4			
2-17	32035479	• LOCKWASHER, SPRING - 1/4"	4			
2-18	32035461	• SCREW, FILLISTER HEAD - 1/4-20x1/4"	4			
2-19	32139891	• SHIM, FINGER VALVE	1			
2-20	30221170	• VALVE, FINGER	2	2	2	4
2-21	37127248	• SPACER	1			
2-22	32246332	GASKET, SPACER	1	1	1	2
2-23	95053567	CAPSCREW - HEX 1/2-13x1-1/4"	4			
2-24	95674701	GASKET, COPPER - 1/2"	4			
2-25	32233579	CYLINDER, AIR - 2.5" - HIGH PRESSURE	1			
2-26	30289870	GASKET, FLANGE	1	1	1	2
2-27	32198368	SET, RING - 2.5	1	1	1	2
2-28	30288518	PISTON, AIR - COMPLETE - 2.5 - HIGH PRESSURE	1		1	1
2-29	30298020	• RING, LOCK	2			
2-30	95104196	CAPSCREW - HEX 1/2-13 x 2"	4			
2-31	37127362	AIRHEAD - LOW PRESSURE	1			
2-32	32267551	GASKET, AIRHEAD - LOW PRESSURE	1	1	1	2
2-33	32024283	ASSEMBLY, SPACER/VALVE - LOW PRESSURE	1		1	1
2-34	32035495	• SCREW, FILLISTER HEAD - 1/4-20x1/4"	4			
2-35	32217382	• WASHER, BELLEVILLE - 1/4"	4			
2-36	30221170	• VALVE, FINGER	4	4	4	8
2-37	95416335	• NUT - HEX 1/4-20	4			
2-38	32035479	• LOCKWASHER, SPRING - 1/4"	4			
2-39	32035461	• SCREW, FILLISTER HEAD - 1/4-20x1/2"	4			
2-40	37127289	• SPACER	1			
2-41	32267544	GASKET, SPACER	1	1	1	2
2-42	95053567	CAPSCREW - HEX 1/2-13x1-1/4"	4			
2-43	95674701	GASKET, COPPER - 1/2"	4			
2-44	37128535	CYLINDER, AIR - 4" - LOW PRESSURE	1			
2-45	30289870	GASKET, FLANGE	1	1	1	2
2-46	32194151	SET, RING - 4"	1	1	1	2
2-47	30215263	PISTON, AIR - COMPLETE - 4" - LOW PRESSURE	1		1	1
2-48	30298020	• RING, LOCK	2			
2-49	32246555	WASHER, FLAT - 3/8"	4			
2-50	32279408	WASHER, FLAT - 1/2"	4			

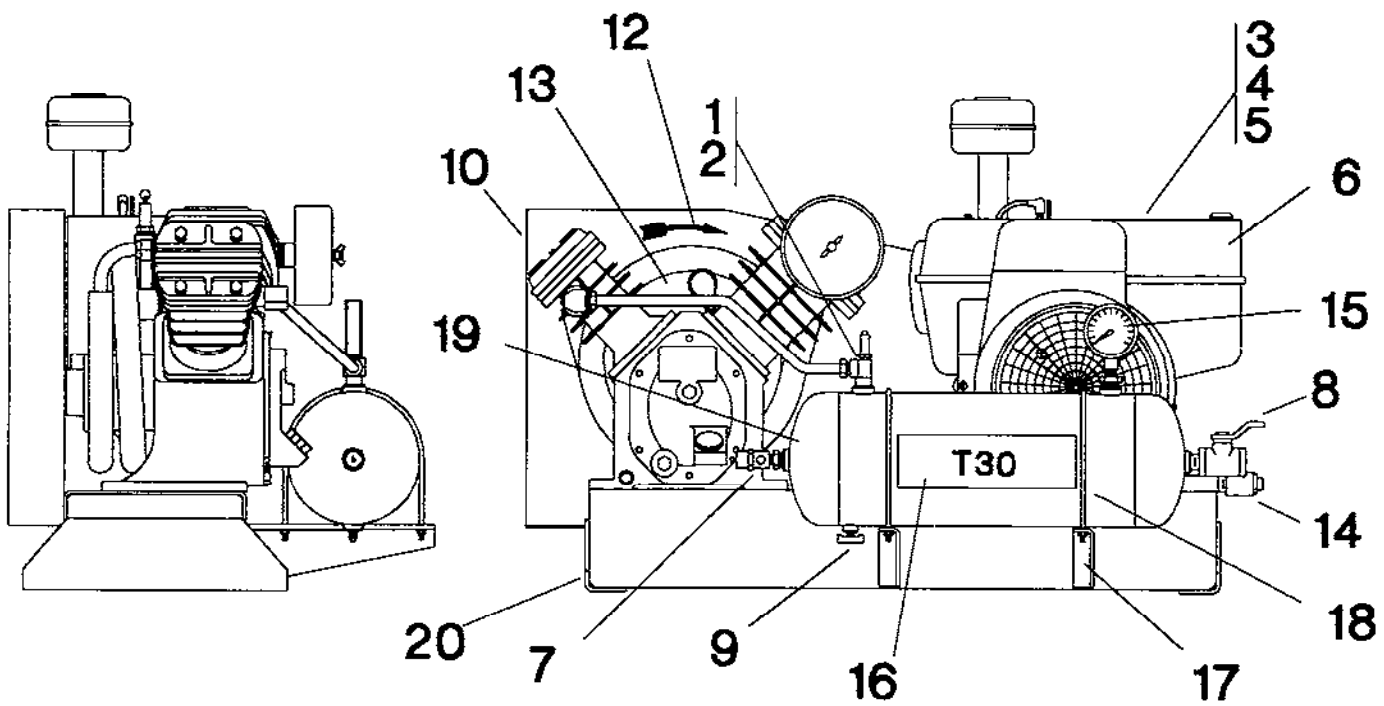
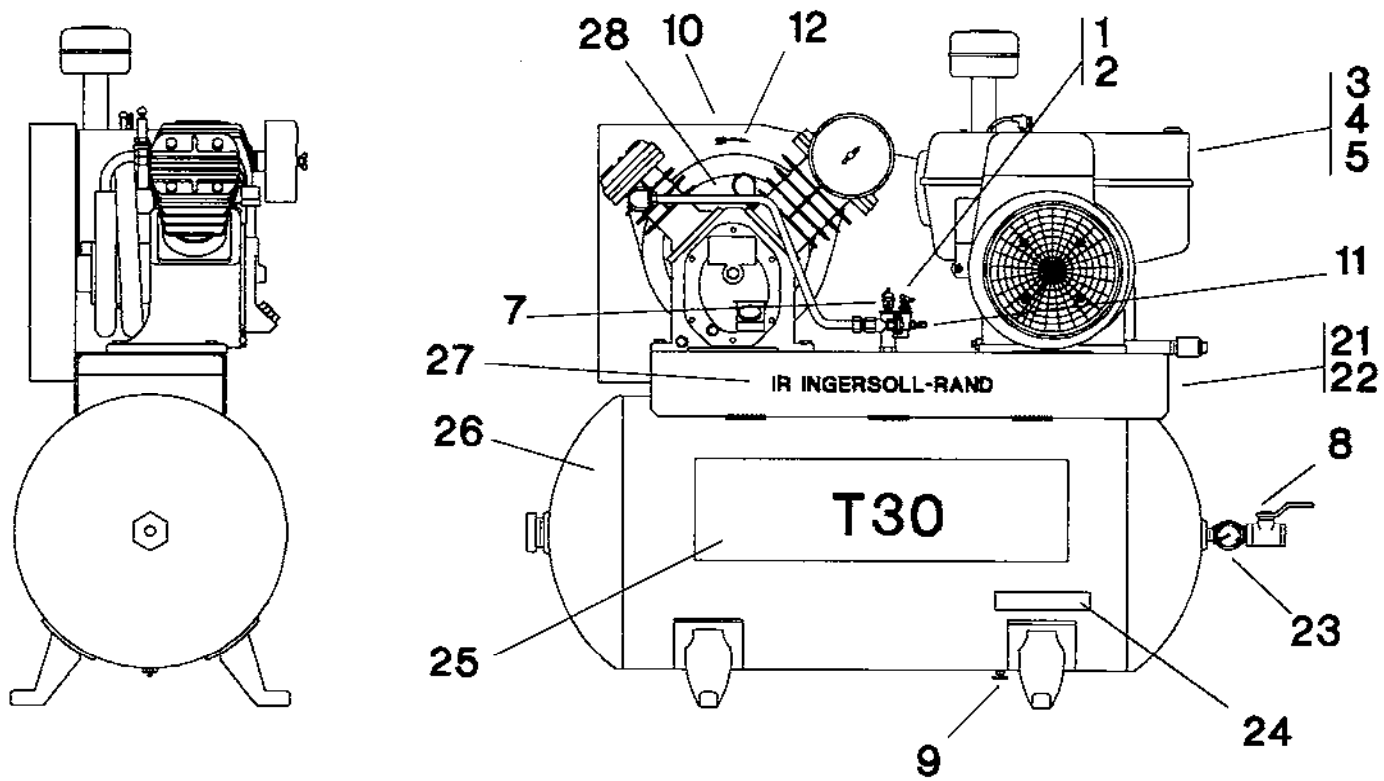


FIGURE 3. MODELS 242F10G (Top), 242X10G (Bottom)

REF. NBR.	PART NUMBER	DESCRIPTION	UNITS PER ASSY.	SPARES		
				1	2	3
		COMMON PARTS FOR MODELS 242X10G & 242F10G				
3-1	37155751	MUFFLER, DISCHARGE UNLOADER	1			1
3-2	37151495	UNLOADER, DISCHARGE - 125 PSIG	1			1
3-2	37170917	UNLOADER, DISCHARGE - 175 PSIG	1			1
3-3	32140493	ENGINE, 10 HP GASOLINE	1			
3-3	37120128	ENGINE, 10 HP GASOLINE W/ALTERNATOR	1			
3-4	32149494	SET, SHEAVE/BUSHING	1			
3-5	32166662	V-BELT - A75	2		4	4
3-6	32024127	DECAL, ENGINE START	1			
3-7	31385693	VALVE, RELIEF - 200 PSIG - RECEIVER	1		1	1
3-8	32106551	VALVE, BALL - SERVICE	1			1
3-9	32027120	VALVE, MANUAL DRAIN	1			1
3-10	32002974	BELTGUARD - COMPLETE	1			
3-11	32174286	VALVE, RELIEF - 325 PSIG - DISCHARGE	1		1	1
3-12	30286686	DECAL, ROTATION ARROW	1			
		ENGINE SLOWDOWN DEVICE				
***	32173049	KIT, ENGINE SLOWDOWN DEVICE	1			1
***	95073821	• SCREW - RD HD - #6x3/8	1			
***	95750451	• LOCKWASHER, SPRING - #6	1			
***	32171258	• BRACKET, SLOWDOWN CYLINDER	1			
***	95866216	• WASHER, SHAKEPROOF 9/16"	1		1	
***	32169518	• CYLINDER, SLOWDOWN	1		1	
***	32166688	• ROD, SLOW DOWN	1		1	
***	30640596	• CONNECTOR, MALE - 1/8x1/8 - CYLINDER	1	1	1	
***	32158701	• TUBE, ENGINE SLOWDOWN - NYLON	1		1	
***	30640569	CONNECTOR, MALE - 1/8x1/8 - UNLOADER	1	1	1	
		MODEL 242X10G				
3-13	32162513	TUBE ASSY, COMPRESSOR/UNLOADER	1			
3-14	32145898	TIGHTENER ASSEMBLY - BELT	2			
3-15	32013898	GAUGE, PRESSURE	1	1	1	1
3-16	32022915	DECAL, T30	1			
3-17	32209165	BRACKET, RECEIVER MOUNTING	2			
3-18	32034134	U-BOLT - AIR RECEIVER	2			
3-19	32014029	RECEIVER, AIR - 4 GAL.	1			
3-20	32140576	SUBBASE ASSEMBLY	1			
		MODELS 242F10G				
3-21	30219802	CLIP, BELT TIGHTENER	2			
3-22	32145898	TIGHTENER ASSEMBLY - BELT	2			
3-23	32013872	GAUGE, PRESSURE	1	1	1	1
3-24	32004103	DECAL, DRAIN	1			
3-25	32022923	DECAL, T30	1			
3-26	32024135	RECEIVER ASSY, 30 GAL. - 242F10G	1			
3-27	30288054	DECAL, INGERSOLL-RAND	1			
3-28	32028441	TUBE ASSY, COMPR/UNLDR - 242F10G	1			
		OPTIONAL EQUIPMENT				
***	32050361	SUPPORT, BATTERY	1			
***	35546282	HOLDDOWN, BATTERY	1			
***	**	BATTERY - 12 VOLT	1			

** PURCHASE FROM YOUR LOCAL INGERSOLL-RAND DISTRIBUTOR.

*** NOT SHOWN IN ILLUSTRATION.

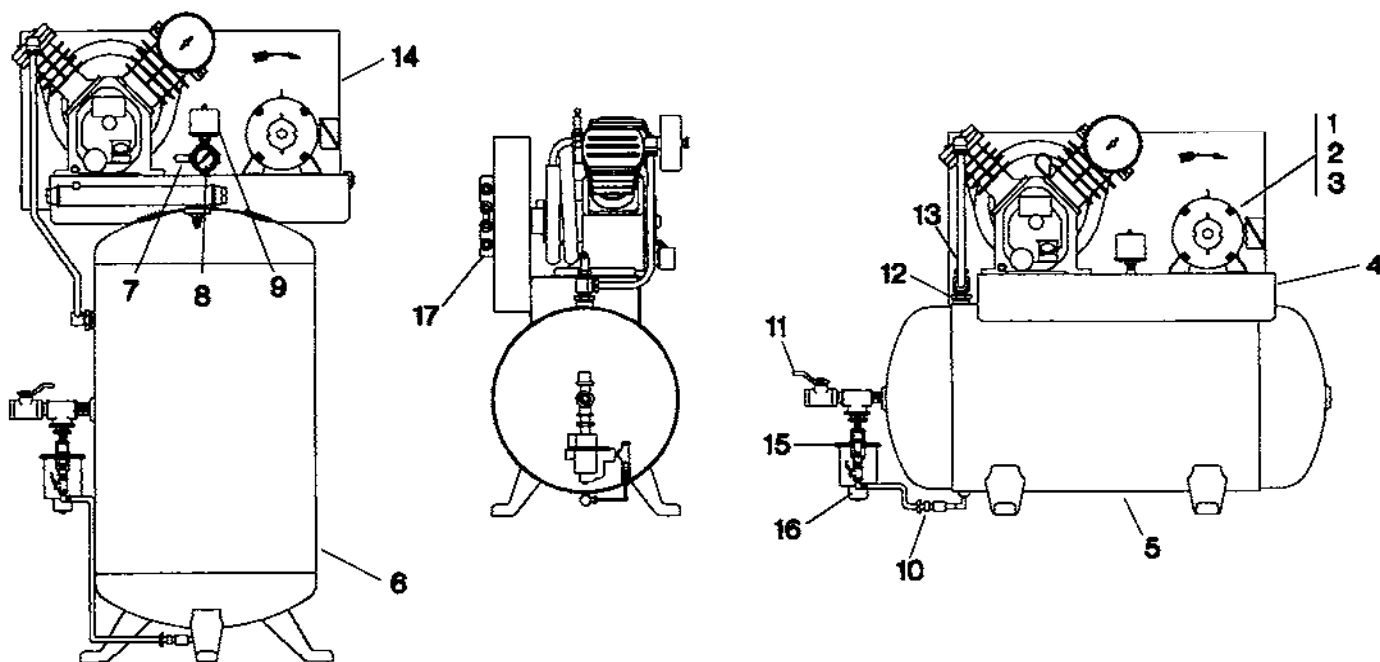


FIGURE 4. TYPICAL COMPRESSOR DRIVE, RECEIVERS AND ACCESSORIES

REF. NBR.	PART NUMBER	DESCRIPTION	UNITS PER ASSY.	SPARES		
				1	2	3
4-1	*	MOTOR, ELECTRIC	1			
4-2	*	PULLEY, MOTOR	1			
4-3	*	BELT, "V"	2		2	2
4-4	32192197	TIGHTENER, BELT - COMPLETE	1			
4-5	32250813	RECEIVER ASSEMBLY - 80 GAL., HORIZONTAL - 200 PSIG	1			
4-5	32251837	RECEIVER ASSEMBLY - 80 GAL., HORIZONTAL - 260 PSIG	1			
4-6	32192163	RECEIVER ASSEMBLY - 80 GAL., VERTICAL - 200 PSIG	1			
4-7	31385693	VALVE, RELIEF - 200 PSIG (RECEIVER)	1			1
4-7	32174799	VALVE, RELIEF - 260 PSIG (RECEIVER)	1			1
4-8	32013872	GAUGE, PRESSURE - 300 PSIG	1	1	1	1
4-9	37005907	SWITCH, PRESSURE - NEMA 1 - 200 PSIG	1	1	1	1
4-9	37005923	SWITCH, PRESSURE - NEMA 1 - 250 PSIG	1	1	1	1
4-10	32027120	VALVE, MANUAL DRAIN	1			
4-11	32180234	VALVE, BALL - 3/4" (SERVICE VALVE) ALL 80 GAL. RECEIVERS	1			1
4-12	32141558	VALVE, CHECK	1			1
4-13	32174286	VALVE, RELIEF - 325 PSIG (DISCHARGE)	1			1
4-14	32223190	BELTGUARD - COMPLETE	1			
**	32195224	SUBBASE ASSEMBLY - FOR BASE PLATE 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						
4-15	32005282	TRAP, AUTOMATIC DRAIN	1			
4-16	32180200	VALVE, BALL - 1/4"	1			1
4-17	32244600	COIL, AIR COOLED AFTERCOOLER	1			1

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

** NOT SHOWN IN ILLUSTRATION.

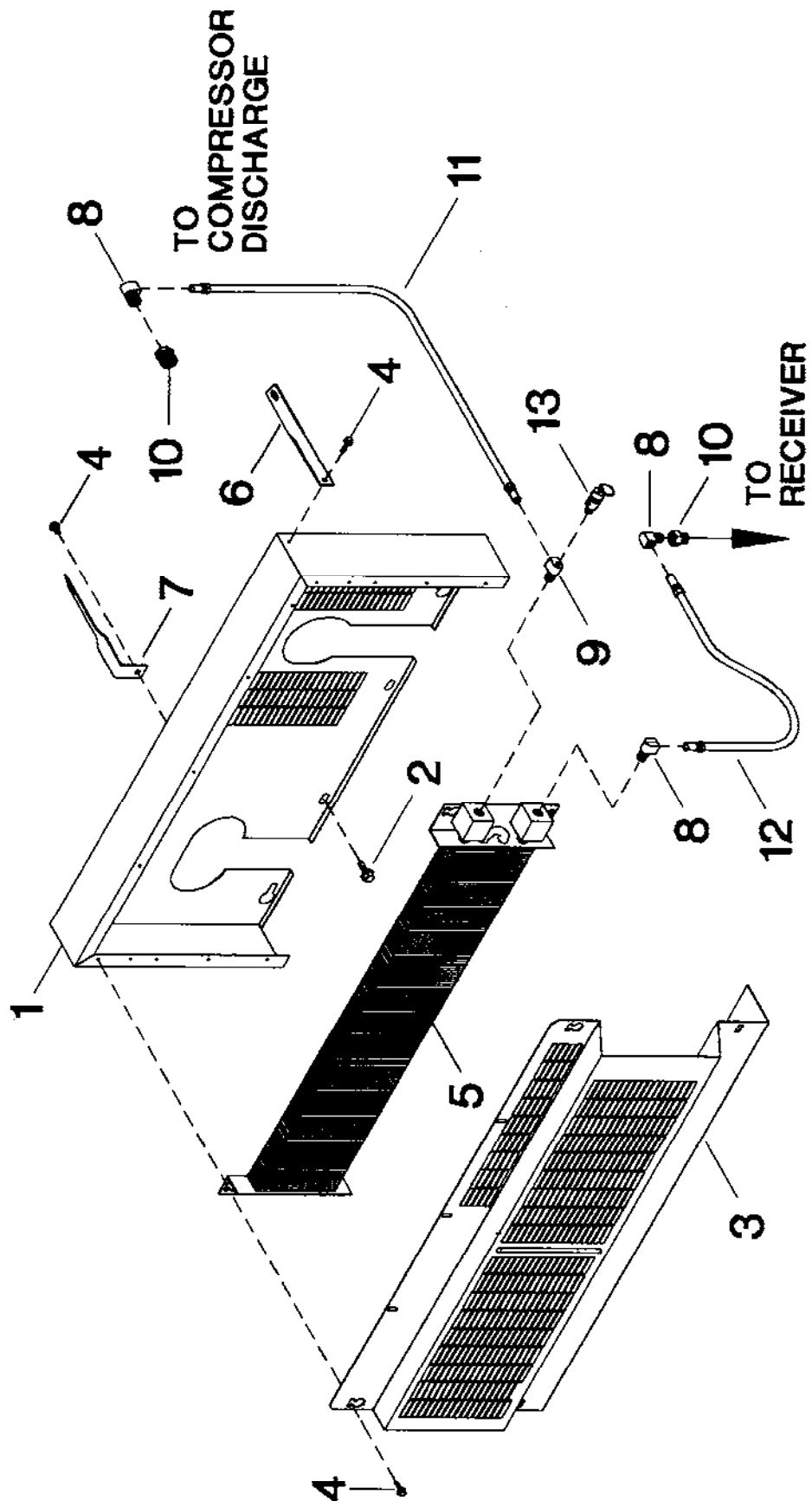


FIGURE 5. AIR COOLED AFTERCOOLER OPTION.

REF. NO.	PART NUMBER	DESCRIPTION	QUANTITY																
			BASE PLATE	AUTOMATIC START & STOP								CONSTANT SPEED							
				60 GAL. HORZ.	80 GAL. HORZ.	80 GAL. VERT.	80 GAL. DPLX.	120 GAL. VERT.	120 GAL. DPLX.	60 GAL. HORZ.	80 GAL. HORZ.	80 GAL. VERT.	80 GAL. DPLX.	120 GAL. VERT.	120 GAL. DPLX.				
5-1	32281040	BACK, BELTGUARD	1	1	1	1	2	1	2	1	1	1	1	2	1	2			
5-2	32000705	SCREW, TAPPING - 3/8-16x3/4"	4	4	4	4	8	4	8	4	4	4	4	8	4	8			
5-3	32281032	COVER, BELTGUARD - ACAC	1	1	1	1	2	1	2	1	1	1	1	2	1	2			
5-4	32187056	SCREW, SELF-DRILLING	14	14	14	14	28	14	28	14	14	14	14	28	14	28			
5-5	32244600	COIL, AFTERCOOLER	1	1	1	1	2	1	2	1	1	1	1	2	1	2			
5-6	32217648	BRACE, BELTGUARD - HP	1	1	1	1	2	1	2	1	1	1	1	2	1	2			
5-7	32217655	BRACE, BELTGUARD - LP	1	1	1	1	2	1	2	1	1	1	1	2	1	2			
5-8	95031795	ELBOW, TUBE -5/8x1/2"	2	3	3	3	6	2	6	3	3	3	3	4	2	4			
5-9	32145070	ELBOW, TUBE -5/8x1/2"	1	1	1	1	2	1	2	1	1	1	1	2	1	2			
5-10	32178998	BUSHING, REDUCING - 3/4x1/2"	1	1	1	1	2	1	2	1	1	2	2	4	2	4			
5-11	32219057	TUBE - COMPRESSOR/ACAC	1	1	1	1	2	1	2	1	1	1	1	2	1	2			
5-12	32250979	TUBE - ACAC/RECEIVER	-	1	-	-	-	-	-	-	-	-	-	-	-	-			
5-12	32250664	TUBE - ACAC/RECEIVER	-	-	-	1	-	-	-	-	-	-	-	-	-	-			
5-12	32251258	TUBE - ACAC/RECEIVER	-	-	-	-	2	-	-	-	-	-	-	-	-	-			
5-12	32251522	TUBE - ACAC/RECEIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
5-12	32251803	TUBE - ACAC/RECEIVER	-	-	-	-	-	1	-	-	-	-	-	-	-	-			
5-12	32251621	TUBE - ACAC/RECEIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
5-12	32250995	TUBE - ACAC/UNLOADER	-	-	-	-	-	-	-	-	-	1	-	-	-	-			
5-12	32250714	TUBE - ACAC/UNLOADER	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
5-12	32251274	TUBE - ACAC/UNLOADER	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
5-12	32251571	TUBE - ACAC/UNLOADER	-	-	-	-	-	-	-	-	-	-	-	-	-	2			
5-12	32251829	TUBE - ACAC/UNLOADER	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
5-12	32251670	TUBE - ACAC/UNLOADER	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
5-13	32174286	VALVE, RELIEF -325 PSIG	1	1	1	1	2	1	2	1	1	1	1	2	1	2			
*	95083226	CONNECTOR, MALE - 5/8x1/2"	-	-	-	-	-	1	-	-	-	-	-	-	1	-			
**	32141558	VALVE CHECK	-	1	1	1	2	1	2	-	-	-	-	-	-	-			

* - NOT ILLUSTRATED. Male Connector is used in place of Tube Elbow (#8) at unloader connection.

** - NOT ILLUSTRATED. Check Valve is installed at position indicated for reducing bushing (#10) from aftercooler to receiver on units equipped with automatic start and stop regulation.

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 242 are available in kits. When ordering, include the Part Number and Description as shown.

PART NUMBER	KIT DESCRIPTION
32298234	T30 SELECT COMPRESSOR LUBRICANT (QUART)
32249294	KIT, VALVE/GASKET
32198319	KIT, RING/GASKET
32127391	KIT, BEARING/CONNECTING ROD
32249302	KIT, GASKET

NOTES: