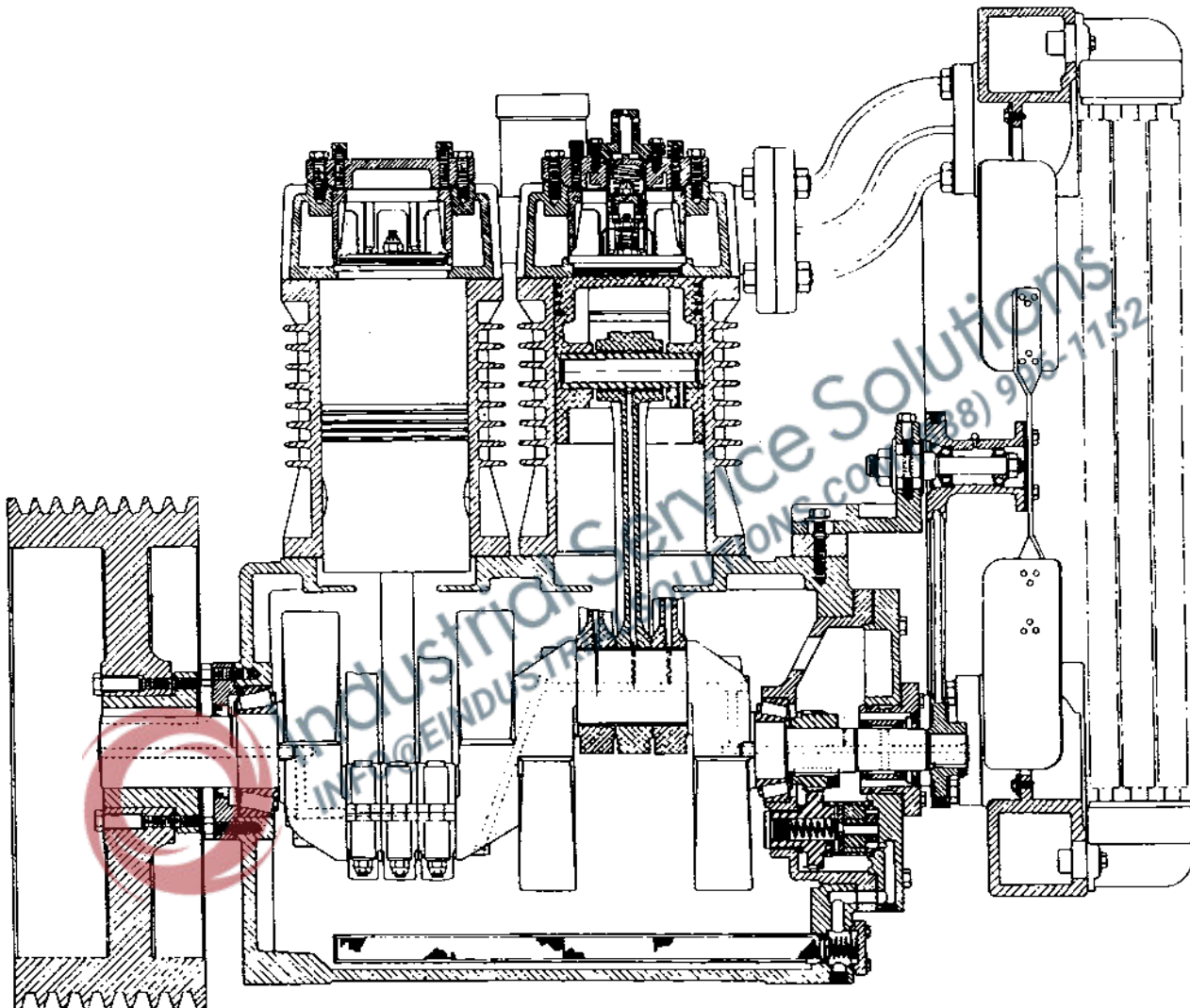


PARTS LIST

MODEL C-300 TWO STAGE CURTIS AIR COMPRESSOR

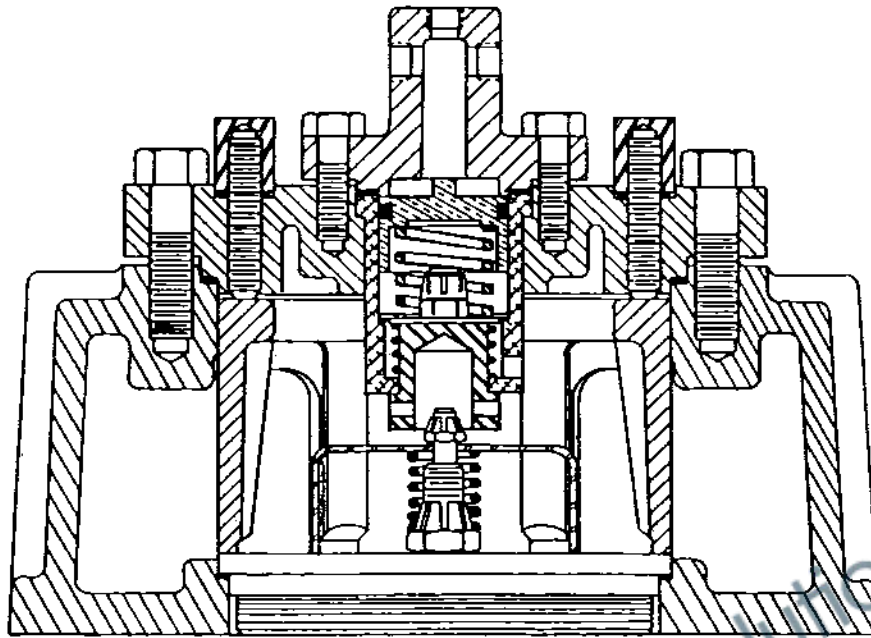
SIZE:-8"-8"-6-1/2 X 5-5/8"



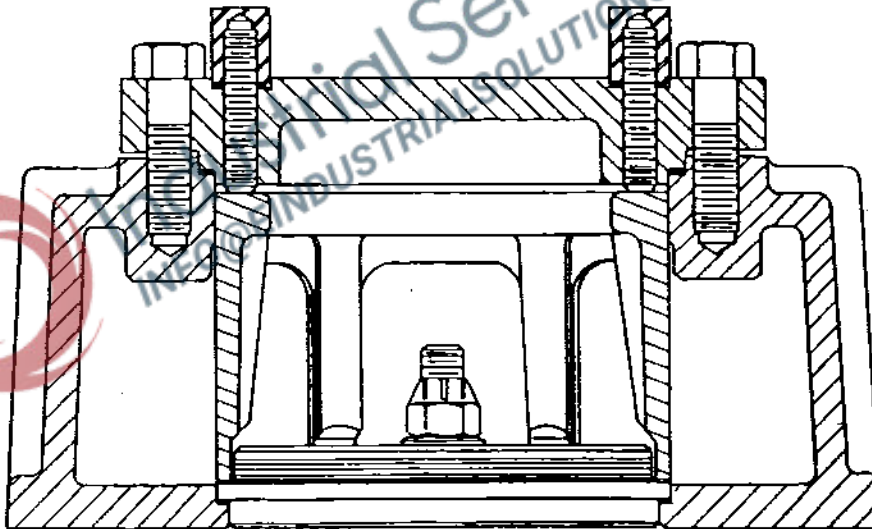
CURTIS-TOLEDO, INC.

1905 Kienlen Avenue, St. Louis, Missouri 63133
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E-mail: info@curtistoledo.com

Sales representatives in principal cities



ASSEMBLY SUCTION



ASSEMBLY DISCHARGE

CYLINDER HEAD ASSEMBLY

CM-805

PARTS LIST

MODEL C-300 TWO STAGE

CURTIS AIR COMPRESSOR

SIZE:-8"-8"-6-1/2" X 5-5/8"

BODY PARTS		
PART NO.	NO. REQ'D.	DESCRIPTION
VH01CC	6	RHMS, 10-32 x 3/8Lg.
CM663	1	Breather Cover
CM664	1	Breather Valve
CM665	1	Breather Cover Gasket
CM729	6	Cylinder Gasket
CM821	2	H.P. Cylinder
CM822	4	L.P. Cylinder
CM830	1	Oil Strainer Cover
CM833	1	Bearing Plate Cover
CM834	1	Flanged Bearing
CM835	1	Oil Filter Carrier
CM836	1	Bearing Plate
CM845	1	Oil Filter Nipple
CM880	4	Studs, 5/8 x 2 3/4"
CM884	1	Lube Pump Carrier Gear Key
CM885	1	Oil Strainer Cover Gasket
CM886	1	Master Oil Seal Gasket
CM890	1	Oil Filter Carrier Gasket
CM893	1	Bearing Plate Cover Gasket
CM894	1	Bearing Plate Gasket
CM896	1	Oil Strainer Spring
CM912	1	Crankcase
CM913	1	Endplate
CM914	3	Side Door
CM915	1	Side Door & Breather
CM916	5	Side Door Gasket
CM917	1	Side Door Baffle
CM922	1	Key-3/4 x 3/4 x 4-1/4" Lg.
CM923	1	Lube Pump Carrier Gear
CM924	1	Closure Screw
CM925	1	Flywheel
CM938	1	Oil Strainer Housing
CM939	1	Oil Strainer
CM943	1	Shim Set
CM965	1	Gasket Set
CM966	1	Tubing Gauge to Filter
CM967	1	"O" Ring Set
CMA815	1	Tubing-Gauge to Switch
CMA816	1	Key 1/4 x 5/16 x 1-1/4" Lg.
VH12HH	4	HHCS, 5/16-18 x 1" (H.T.)
VH35R	3	Lockwasher – Split 5/8
VH15R	4	Hex Nut, 5/8-11
VA729	1	Brass Tee, 1/4 MPT x 1/4 FPT x 1/4 Tube
VH12RY	3	HHCS, 5/8 UNC x 4 1/2" Lg.
VH11TN	24	HHCS, 3/4-10 x 1 3/4

BODY PARTS - continued		
PART NO.	NO. REQ'D.	DESCRIPTION
VH03CE	4	FHMS, 10-32 x 5/8
VA13EGC	1	Pipe Nipple x Heavy 3/4" x 4" Lg
VA314	1	Oil Pressure Gauge
VA14ACE	1	Brass Conn. 1/4 MDT x 1/4 Tube
VA14BCE	1	Brass Elbow 1/4 FPT x 1/4 Tube
VA13GLB	1	Pipe Nipple, 1 1/4" x 6" Lg.
VA04GO	1	Pipe Cap, 1 1/4"
VA04EP	1	Pipe Cap, 3/4"
VB306	1	Oil Seal
VB410	1	"O" Ring, 1 1/8 x 1 1/4 x 1/16
VDA222	1	Sheave, Complete w/Hardware
VD802	1	Roller Brg. Cup, JH 211 710
VD804	1	Roller Brg. Cup, JH 211 210
VD903	1	Bushing w/ Hardware
VH1312	1	Spring Pin, 1/40 x 11/16 Lg.
VH1414	1	Set Scr. Cup Pt, 3/8 NF x 1/2"
VH12KH	3	HHCS, 3/8-16 x 1" (H.T.)
VH12PT	8	HHCS, 1/2-13 x 3" (H.T.)
VH12PN	6	HHCS, 1/2-13 x 1 3/4" (H.T.)
VH13ED	3	RHMS, 6/32 x 3/8
CM981	1	Oil Pump
VO103	1	Oil Pump Retaining Spring
VO201	1	Oil Filter
VO301	1	Oil Sight Glass
VH12HK	16	HHCS, 5/16-18 x 1 1/4 (H.T.)
VS502	1	Oil Pressure Switch
CONNECTING RODS & BEARINGS		
PART NO.	NO. REQ'D.	DESCRIPTION
CM802	6	Connecting Rod Complete w/Bushing & Bearing
CM802-001	6	Connecting Rod .001 Undersized Complete w/Bushing & Bearing
CM815	6	Bearing Set
CM816-001	6	Bearing Set, .001 Undersized Shaft
CM817	12	Pin Bushing
CM818	12	Connecting Rod Bolt
VH33P	12	Washer – Cut 1/2" SAE
VH20N	12	Locknut – 1/2-20

PARTS LIST
MODEL C-300 TWO STAGE
CURTIS AIR COMPRESSOR

SIZE:-8"-8"-6-1/2" X 5-5/8"

PISTONS – PINS		
PART NO.	NO. REQ'D	DESCRIPTION
CM810	4	Piston L.P. Std.
CM810-010	4	Piston .010 Undersized
CM810-030	4	Piston .030 Undersized
CMA811	2	Piston H.P. Std.
CMA811-010	2	Piston .010 Undersized
CMA811-030	2	Piston .030 Oversized
CM8190	2	Piston Pin H.P.
CM820	4	Piston Pin L.P.
VH25MH	6	Piston Pin Spring Pin
RINGS		
CMA809	2	Piston Ring Set – HP Std.
CMA809-010	2	Piston Ring Set – HP .010 Oversized
CMA809-030	2	Piston Ring Set – HP .030 Oversized
CMA810	4	Piston Ring Set – LP Std.
CMA810-010	4	Piston Ring Set – LP .010 Oversized
CMA810-030	4	Piston Ring Set – LP .030 Oversized
CRANKSHAFT ASSEMBLY		
CM841	1	Lube Pump Drive Gear
CM891	1	Lube Pump Drive Gear Key
CM910	1	Crankshaft
CM910A	1	Crankshaft w/RB Cones VD802 & 804
VAA857	2	Crankshaft Endplug
VD802	1	Roller Brg. Cup JH211710
VD803	1	Roller Brg. Cone JH211749
VD804	1	Roller Brg. Cup JH217210
VD805	1	Roller Brg. Cone JH217249
VH1410	1	Set Scr 5/16"-18 x 3/8" Lg. Self Locking

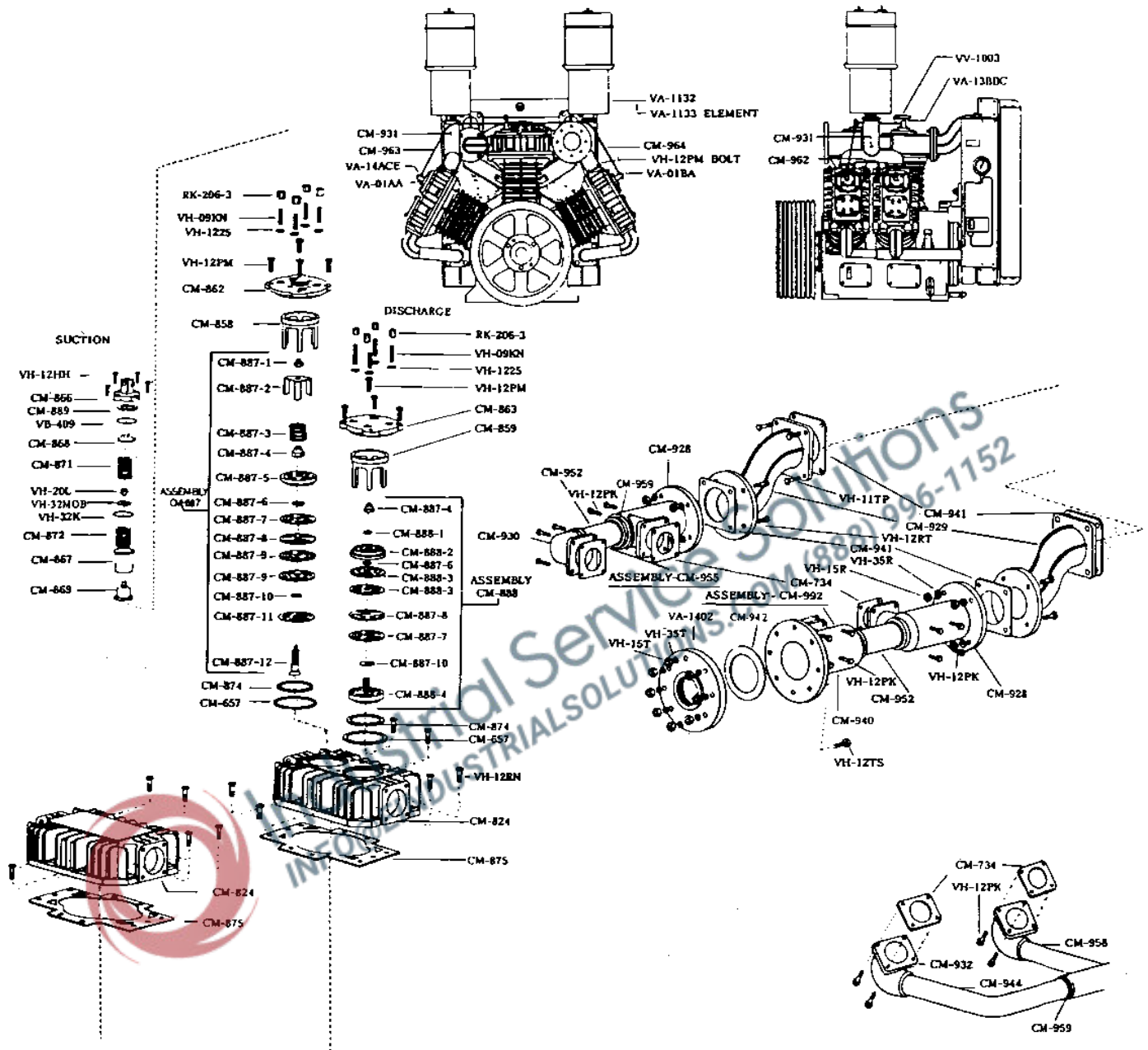
CYLINDER HEAD ASSEMBLY AND HEAD PIPING		
PART NO.	NO. REQ'D.	DESCRIPTION
CM657	12	Cover Plate Gasket
CM734	12	4 Bolt Flange Gasket
CM805	6	Cylinder Head Assembly
CM824	6	Cylinder Head
CM858	6	Suction Valve Retainer
CM859	6	Discharge Valve Retainer
CM862	6	Suction Valve Cover Plate
CM863	6	Discharge Valve Cover Plate
CM866	6	Unloader Cap
CM867	6	Unloader Cylinder
CM868	6	Unloader Piston
CM869	6	Unloader Plunger
CM871	6	Piston Return Spring
CM872	6	Plunger Return Spring
CM874	12	Valve Gasket (Alum.)
CM880	4	Stud 5/8-11 x 2 3/4" Lg.
CM887	6	Suction Valve w/ Unloader
CM887-1	6	Unloader Fork Locknut
CM887-2	6	Unloader Fork
CM887-3	6	Unloader Fork Spring
CM887-4	12	Centerbolt Locknut
CM887-5	6	Valve Seat
CM887-6	12	Washer (Thick)
CM887-7	12	Valve Plate
CM887-8	12	Dampening Plate
CM887-9	12	Spring Plate
CM887-10	12	Washer (Thin)
CM887-11	6	Guard Plate
CM887-12	6	Centerbolt
CM888	6	Discharge Valve
CM888-1	6	Locknut Washer
CM888-2	6	Guard Plate
CM888-3	12	Spring Plate
CM888-4	6	Valve Seat
CM875	6	Cylinder Head Gasket
CM889	6	Unloader Cylinder Gasket
CM931	2	Suction Manifold
CM941	4	Large 4 Bolt Flange Gasket
CM962	3	Unloader Tubing (Cyl. To Cyl.)
CM963	1	L.H. Unloader Tubing (Bank to Bank)
CM964	1	R.H. Unloader Tubing (Bank to Bank)
VH12HH	24	HHCS 5/16-18 x 1 (H.T.)
VH12PM	16	HHCS 1/2-13 x 1"
VH20L	6	Locknut, 7/16"-20
VH32MOB	6	Washer, 7/16 I.D. – 1 1/4" O.D. x 14 Ga.
RK206-3	48	Stud Nuts
VH1225	48	Washer, 25/64 I.D. x 9/16 O.D. x .051
VA14ACE	10	3/4 MPT x 3/4 Tube Conn.
VA01AA	5	1/8 Pipe Plug

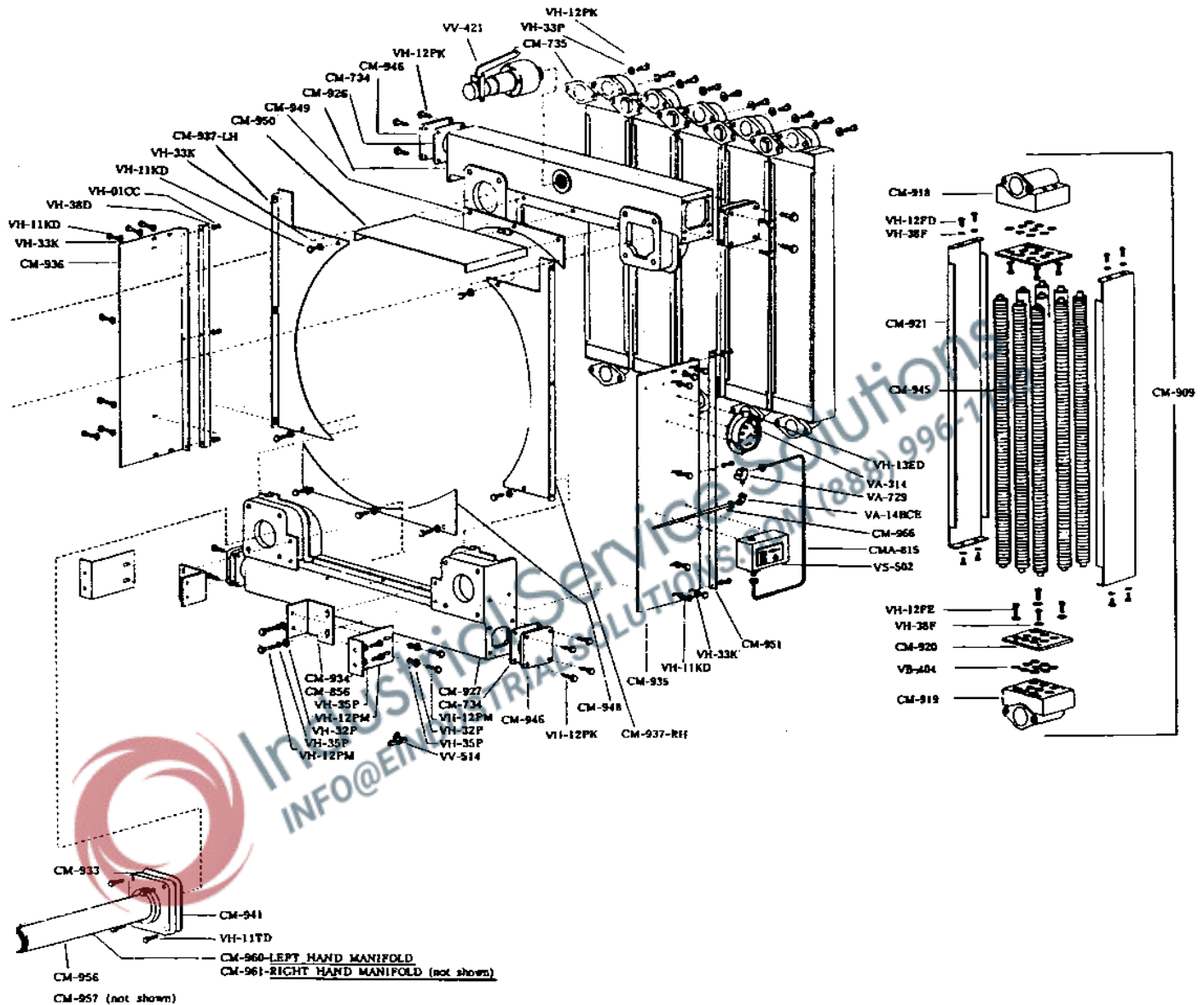
PARTS LIST
MODEL C-300 TWO STAGE
CURTIS AIR COMPRESSOR

SIZE:-8"-8"-6-1/2" X 5-5/8"

CYLINDER HEAD ASSEMBLY AND HEAD PIPING, continued		
PART NO.	NO. REQ'D	DESCRIPTION
VA01BA	5	¼ MPT Pipe Plug
VA1132	2	Air Filter
VA1133	2	Air Filter Elements
VA13BBC	1	Unloader Pilot Nipple Short ¼" X-Heavy
VB409	6	"O" Ring 1 ¼ x 1 ½ x 1/8 Viton
VH09KN	48	Set Screw – 3/8 NC-1 ¾" Lg.
VH12RN	48	HHCS, 5/8-11 x 1 ¾ (HT)
VH12PM	48	HHCS, ½-13 UNC x 1 ½ (HT)
VV1003	1	Unloader Pilot
INTERCOOLER ASSEMBLY AND PIPING		
VH01CC	6	RHMS, #10-32 x 3/8"
CM734	4	Small 4 Bolt Flange Gasket
CM735	10	Intercooler Section Gasket
CMA856	2	Intercooler Support Bracket – Compressor Side
CM909	5	Intercooler Section Assembly
CM918	5	Intercooler Section Top Header
CM919	5	Intercooler Section Bottom Header
CM920	10	Intercooler Section Header Plate
CM921	10	Intercooler Section Side Frame
CM926	1	Intercooler Top Header
CM927	1	Intercooler Bottom Header
CM928	2	Manifold Tee Connection
CM929	1	High Pressure Flange Connection
CM930	1	High Pressure Suction Elbow
CM932	4	Low Pressure Discharge Elbow
CM933	2	Low Pressure Discharge Flange
CM934	2	Intercooler Support Bracket – Intercooler Side
CM935	1	R.H. Side Frame
CM936	1	L.H. Side Frame
CM937 L.H.	1	L.H. Fan Shroud
CM937 R.H.	1	R.H. Fan Shroud
CM979	1	Discharge Manifold Connection
CM941	5	Large 4 Bolt Flange Gasket
CM982	1	Discharge Flange Gasket
CM944	2	Discharge Elbow – 1 st Stage
CM945	45	Intercooler Tube

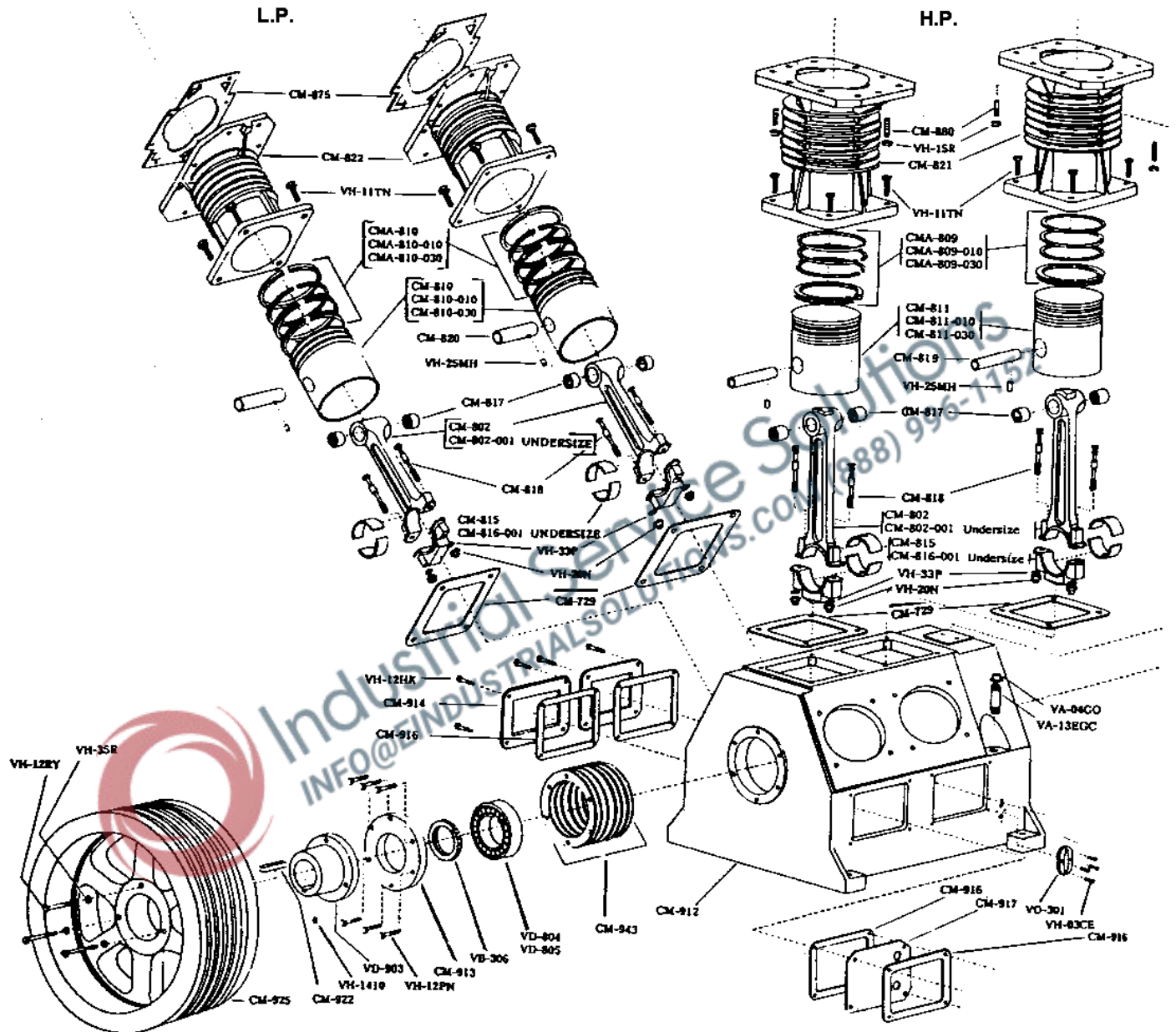
INTERCOOLER ASSEMBLY AND PIPING - continued		
PART NO.	NO. REQ'D	DESCRIPTION
CM946	4	Intercooler Blank Flange
CM948	1	Bottom Fan Shroud
CM949	1	Top Fan Shroud
CM950	1	Air Baffle
CM951	2	Filler Angle
CM952	2	High Side Manifold Pipe
CM955	1	High Pressure Suction Manifold Assy.
CM956	1	L.H. Low Pressure Discharge Tube – 2 nd Stage
CM957	1	R.H. Low Pressure Discharge Tube – 2 nd Stage
CM958	2	L.P. Discharge Connection
CM959	2	Discharge Tube Reducer
CM960	1	L.H. Low Pressure Discharge Manifold Assembly
CM961	1	R.H. Low Pressure Discharge Manifold Assembly
CM922	1	Discharge Manifold Assembly
VH32P	10	Washers ½" Cut
VH38F	80	Lockwashers ¼" (shakeproof)
VH35P	12	Lockwashers ½" Split
VH11KD	24	HHCS, 3/8-16 x ½"
VH11TP	16	HHCS, 3/4-10 x 2"
VH35T	16	Lockwasher – ¾" Split
VH12PM	12	HHCS, ½-13 x 1"
VH12FE	80	HHCS, ¼-20 x 5/8"
VA1402	1	High Pressure Discharge Flange, 4"-150#
VB404	90	"O" Rings 1" O.D. x ¾" I.D., Viton
VH33K	24	Washer SAE 3/8
VH33P	20	Washer SAE ½
VH12PK	52	HHCS, ½-13 x 1 ¼"
VH12TS	16	HHCS, ¾-10 x 2 ¾" (H.T.)
VH38D	6	Lockwasher #10
VH15T	16	Hex Nut ¾" – 10
VV421	1	Safety Pop Valve 1 ¼" ASME Set 70#
VV514	1	Drain Cock ¼"

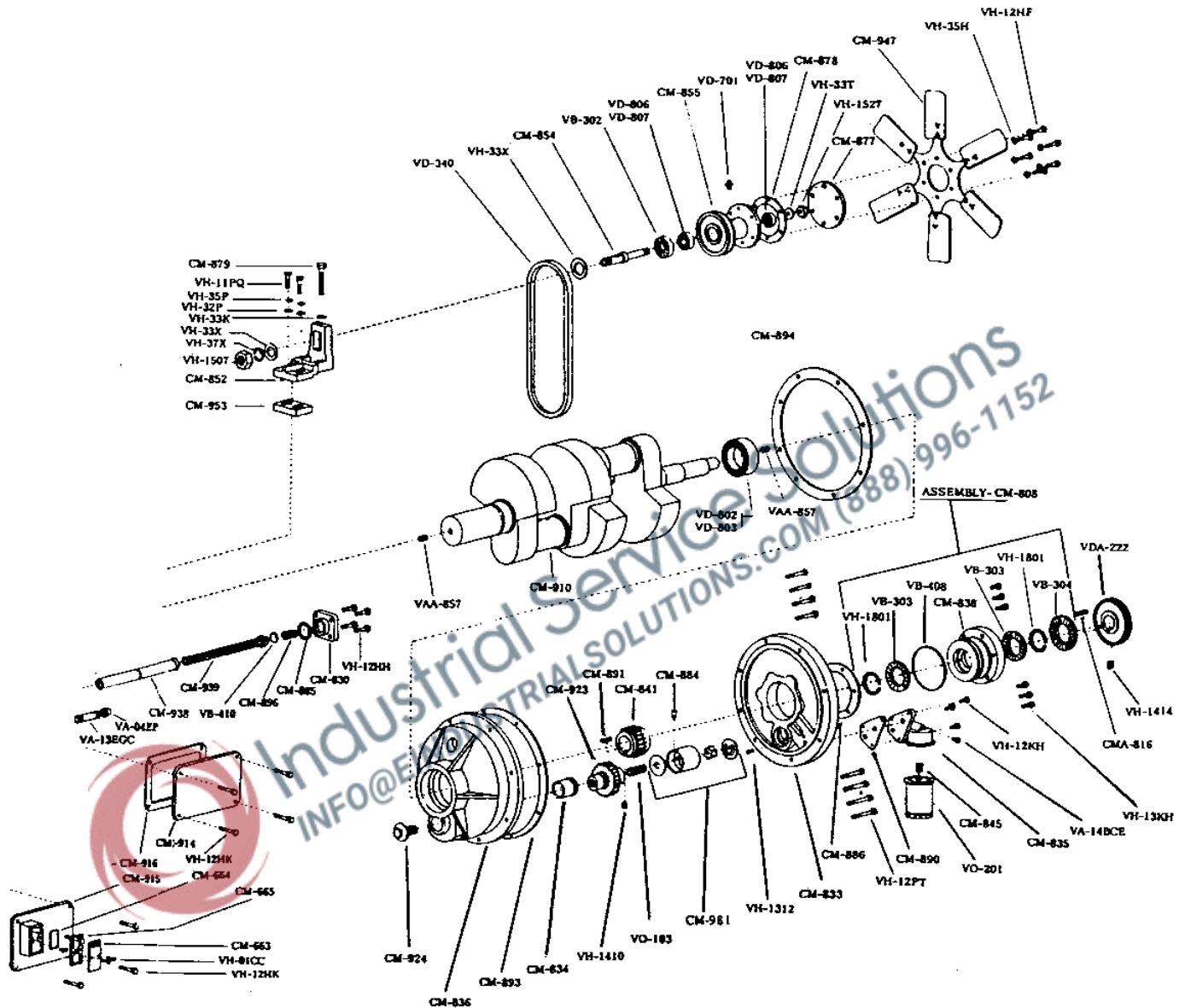




Give name and part number as shown and **SERIAL NUMBER** of compressor when ordering parts.
Serial number appears on nameplate attached to compressor

Refer to **MASTER PARTS PRICE LIST** for prices.





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PARTS LIST
MODEL C-300 TWO STAGE
CURTIS AIR COMPRESSOR

SIZE:-8"-8"-6-1/2" X 5-5/8"

INTERCOOLER FAN PULLEY ASSEMBLY		
PART NO.	NO. REQ'D.	DESCRIPTION
CM852	1	Fan Bracket
CM854	1	Fan Shaft
CM855	1	Fan Pulley
CM877	1	Fan Pulley Plate
CM878	1	Fan Pulley Plate Gasket
CM879	1	Adjusting Screw
CM947	1	Fan
CM953	1	Bracket Spacer
VH32P	2	Washer – 1/2" Cut
VH35H	6	Lockwasher – 5/16"
VH12HF	6	HHCS, 5/16-18 x 3/4" Lg.
VH35P	2	Lockwasher 1/2" Split
VH1527	1	Locknut – 3/4" – 16
VB302	1	Oil Seal
VD340	1	"V" Belt "A" – 43
VD701	1	Grease Fitting – 3/16" St.
VD806	2	Roller Bearing Cup LM 11910
VD807	2	Roller Bearing Cone LM 11949
VH33T	1	Washer, 1 1/2 OD x 13/16 ID x .148 thk
VH33X	2	Washer, 2"OD x 1-1/16ID x .165 thk.
VH33K	1	Washer, SAE – 13/16od x 13/32ID x .165 thk.
VH37X	1	Lockwasher – Split – 1" Light Series
VH1507	1	Hex Nut – Light Series 1"-14 UNF
VH11PQ	2	HHCS, 1/2-13 UNC x 2-1/4 Lg.

MASTER OIL SEAL ASSEMBLY		
PART NO.	NO. REQ'D.	DESCRIPTION
CM808	1	Master Oil Seal Assembly
CM838	1	Master Oil Seal Housing
VB303	2	Oil Seal
VB304	1	Oil Seal
VB408	1	"O" Ring 3 3/4 x 4 x 1/8
VH13KH	6	Hollow HHCS – 3/8-16 x 1" (H.T)
VH1801	2	Retaining Ring



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