



C98

PISTONS

EXPLODED VIEW

AND

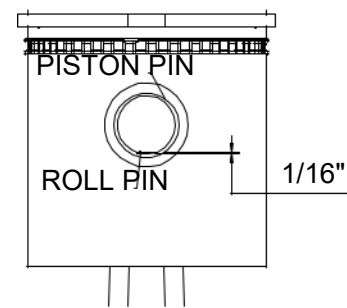
PARTS LIST



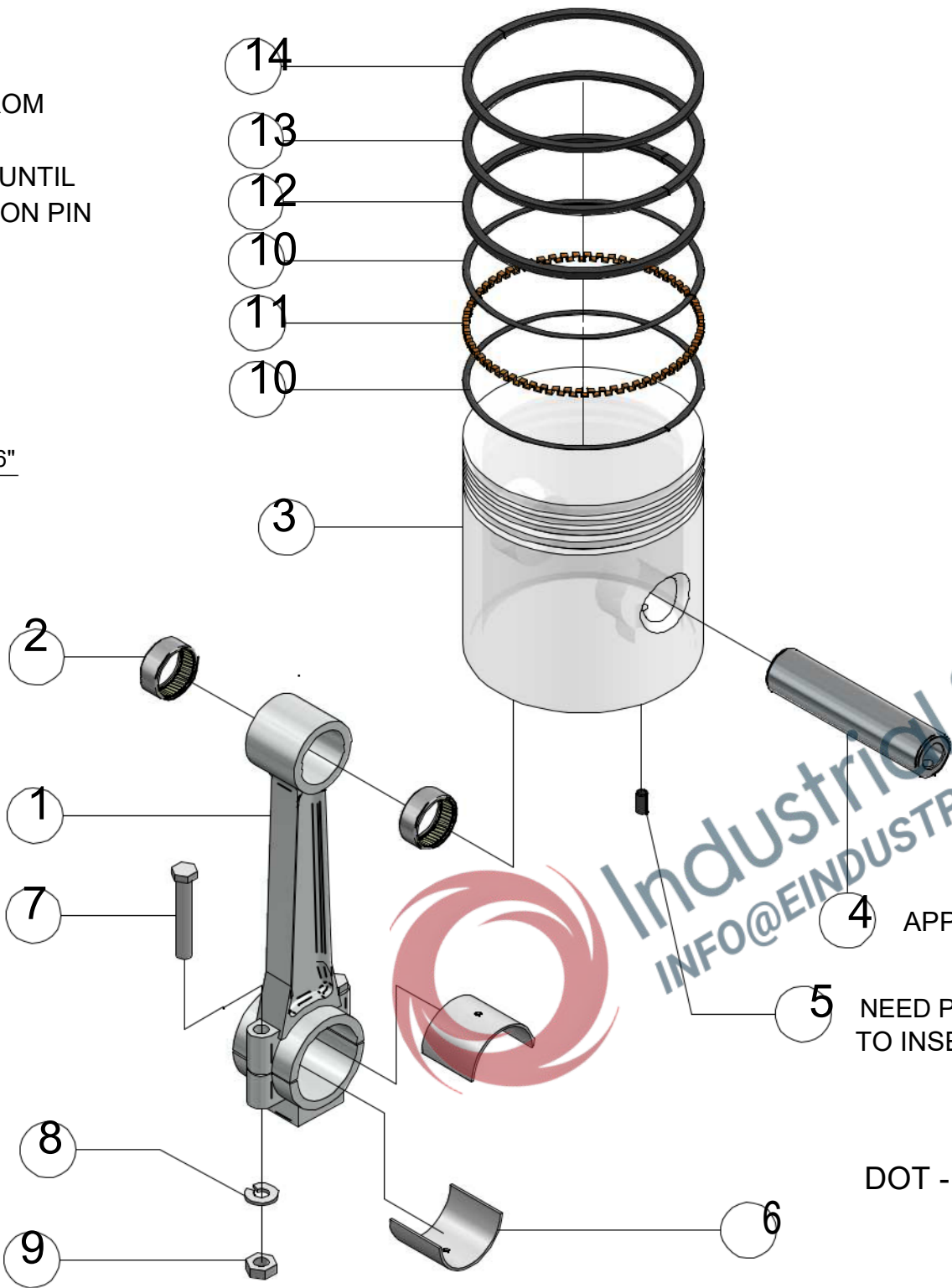
STEP 13 L.P. PISTON

INSTRUCTIONS:

- 1-INSTALL ROLL PIN FROM BOTTOM OF PISTON.
- 2-TAP IN ROLL PIN (#5) UNTIL IT STICKS OUT OF PISTON PIN (#4) ABOUT 1/16".



PRESSED INTO #1 WITH ARBOR PRESS

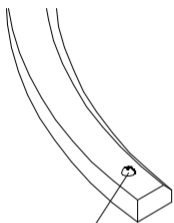


Torque
852 in/lb

- NOTE:
- 1- THE DOT ON PART #12 MUST BE FACING UP. (SEE BELOW)
 - 2- THE OPENING IN ALL THE RINGS CAN NOT BE ALIGNED (MIN 30° APART).
 - 3- USE A PUNCH TO INSERT PART #5.
 - 4- APPLY OIL TO PART #6 BEFORE ASSEMBLING.
 - 5- ORIENTATION OF PART #6. THE SLOTS HAVE TO MATCH. (SEE BELOW)

PARTS LISTS - L.P. PISTON			
ITEM NO	DESCRIPTION	Q	PART NUMBER
1	CONNECTING ROD	1	FCDB1300
2	BEARING-NEEDLE-ROLLER	2	FVD840
3	L.P. PISTON	1	FCDB1313
4	L.P. PISTON PIN	1	FCDB1315
5	ROLL PIN 3/8 DIA X 3/4 LG	1	FVH25MF
6	SET, CONN ROD BEARING	1	FCM606
7	HHCS 1/2-20UNF X 3 1/4 GRADE 5	2	*FVH12NU
8	LOCKWASHER 1/2" ZINC	2	FVH35P1
9	NUT HEX 1/2-13 ZINC PLATED	2	*FVH15N
10	RING LP	2	FCAD25313B
11	EXPANDER-OIL RING	1	FCAD25313A
12	RING-REVERSE TWIST-COMP.	1	FCAD25513
13	RING-BARREL FACE	1	FCAD25613
14	PISTON RING-REVERSE TWIST	1	FCAD258
*NOTE: ITEMS #7, AND #9 INCLUDED WITH ITEM #1			

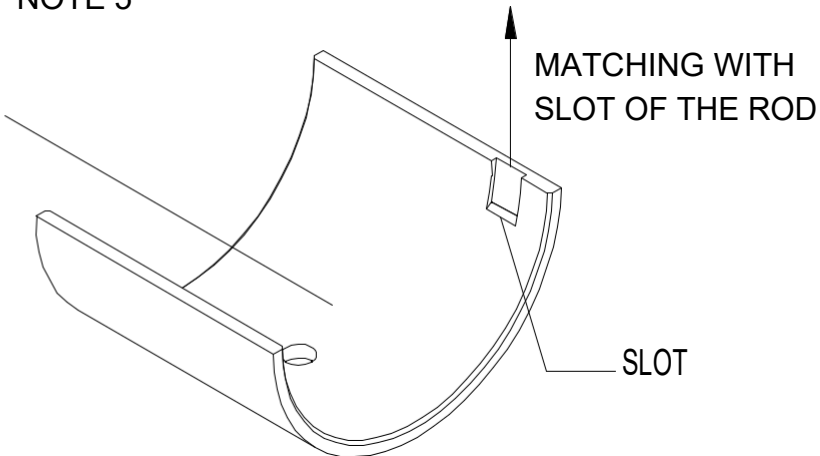
NOTE 1



DOT - FACING UP

DETAIL PART #12

NOTE 5



MATCHING WITH
SLOT OF THE ROD

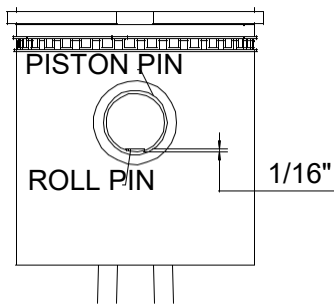
SLOT

DETAIL PART #6

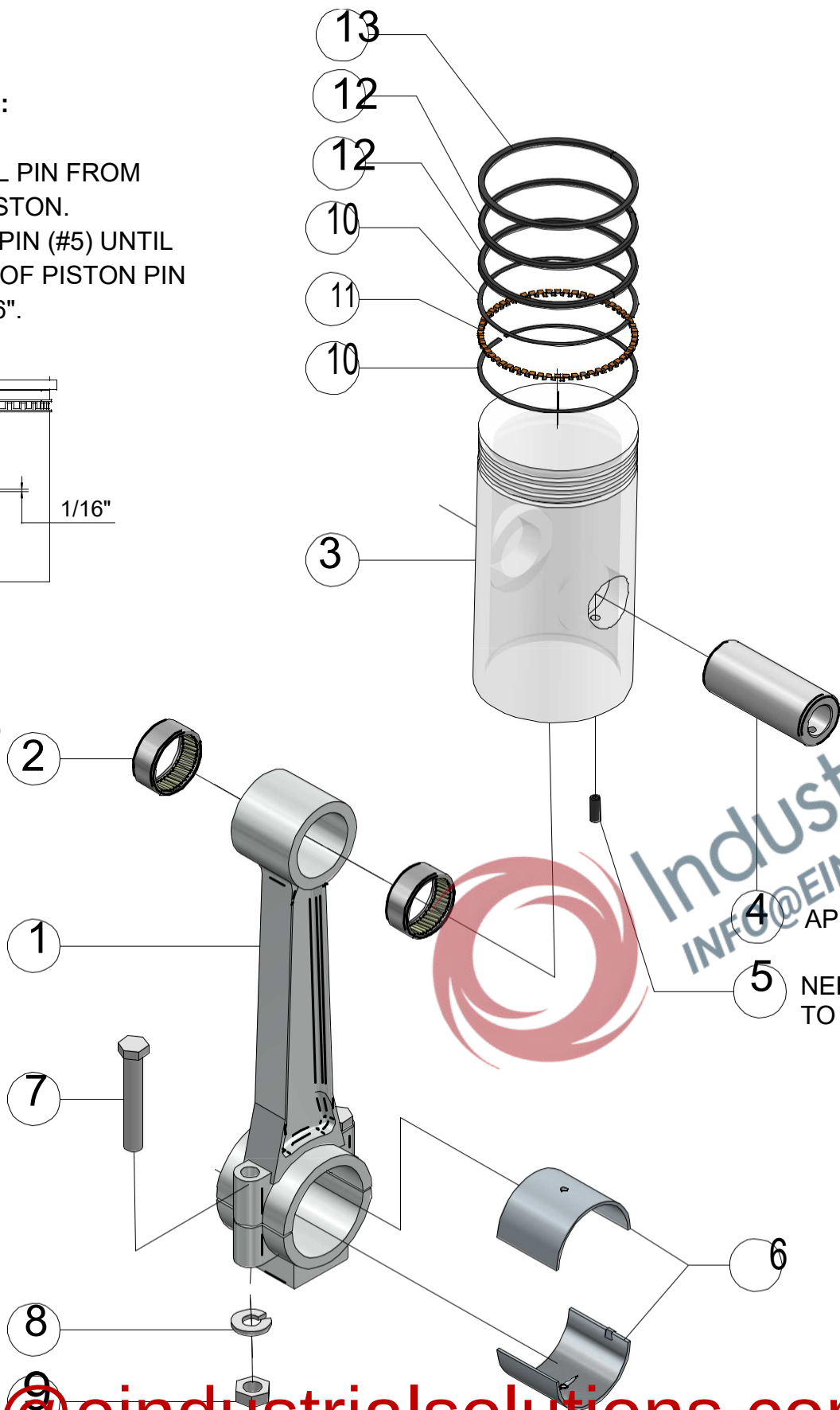
STEP 14 H.P. PISTON

INSTRUCTIONS:

1-INSTALL ROLL PIN FROM BOTTOM OF PISTON.
2-TOP IN ROLL PIN (#5) UNTIL IT STICKS OUT OF PISTON PIN (#4) ABOUT 1/16".



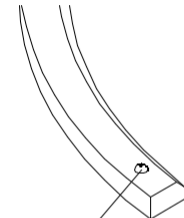
PRESSED INTO #1 WITH ARBOR PRESS



4 APPLY OIL
5 NEED PUNCH TO INSERT

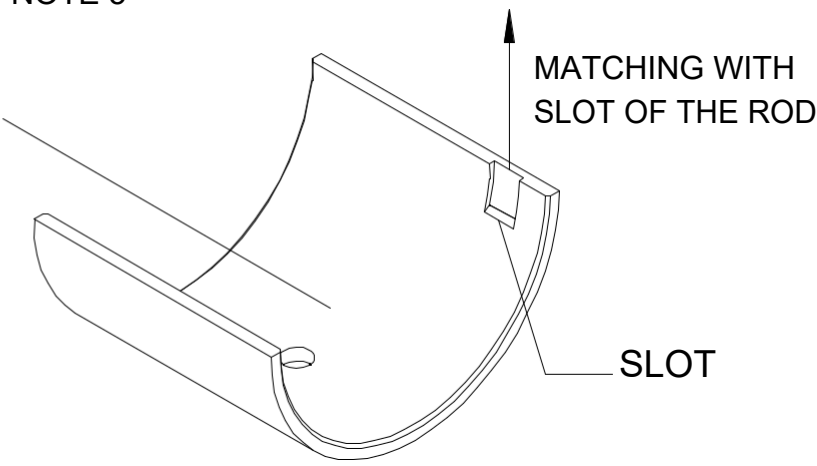
DOT - FACING UP

NOTE 1



DETAIL PART #12

NOTE 5



DETAIL PART #6

- NOTE:
- 1- THE DOT ON PART #12 MUST BE FACING UP. (SEE BELOW)
 - 2- THE OPENING IN ALL THE RINGS CAN NOT BE ALIGNED (MIN 30° APART).
 - 3- USE A PUNCH TO INSERT PART #5.
 - 4- APPLY OIL TO PART #6 BEFORE ASSEMBLING.
 - 5- ORIENTATION OF PART #6. THE SLOTS HAVE TO MATCH. (SEE BELOW)

PARTS LIST - H.P. PISTON			
ITEM NO	DESCRIPTION	Q	PART NUMBER
1	CONNECTING ROD C98A COMPRESSOR	1	FCDB1300
2	BEARING-NEEDLE-ROLLER	2	FVD840
3	H.P. PISTON	1	FCDB1312
4	H.P. PISTON PIN	1	FCDB1314
5	PIN-SELF LOC 1/4 X 11/16	1	FVH1312
6	SET, CONN ROD BEARING	1	FCM606
7	HHCS 1/2-20UNF X 3 1/4 GRADE 5	2	*FVH12NU
8	LOCKWASHER, 1/2" ZINC	2	FVH35P1
9	NUT HEX 1/2"-13 ZINC PLATED	2	*FVH15N
10	RAIL- 4.1875 X .024	2	FCAD2537B
11	EXPANDER-4.1875 X .104	1	FCAD2537A
12	RING-REVERSE TWIST	2	FCAD2557
13	RING-BARREL FACE-COMPRESSION	1	FCAD2567
*NOTE: ITEMS #7, AND #9 INCLUDED WITH ITEM #1			



C98

GENERAL ASSEMBLY

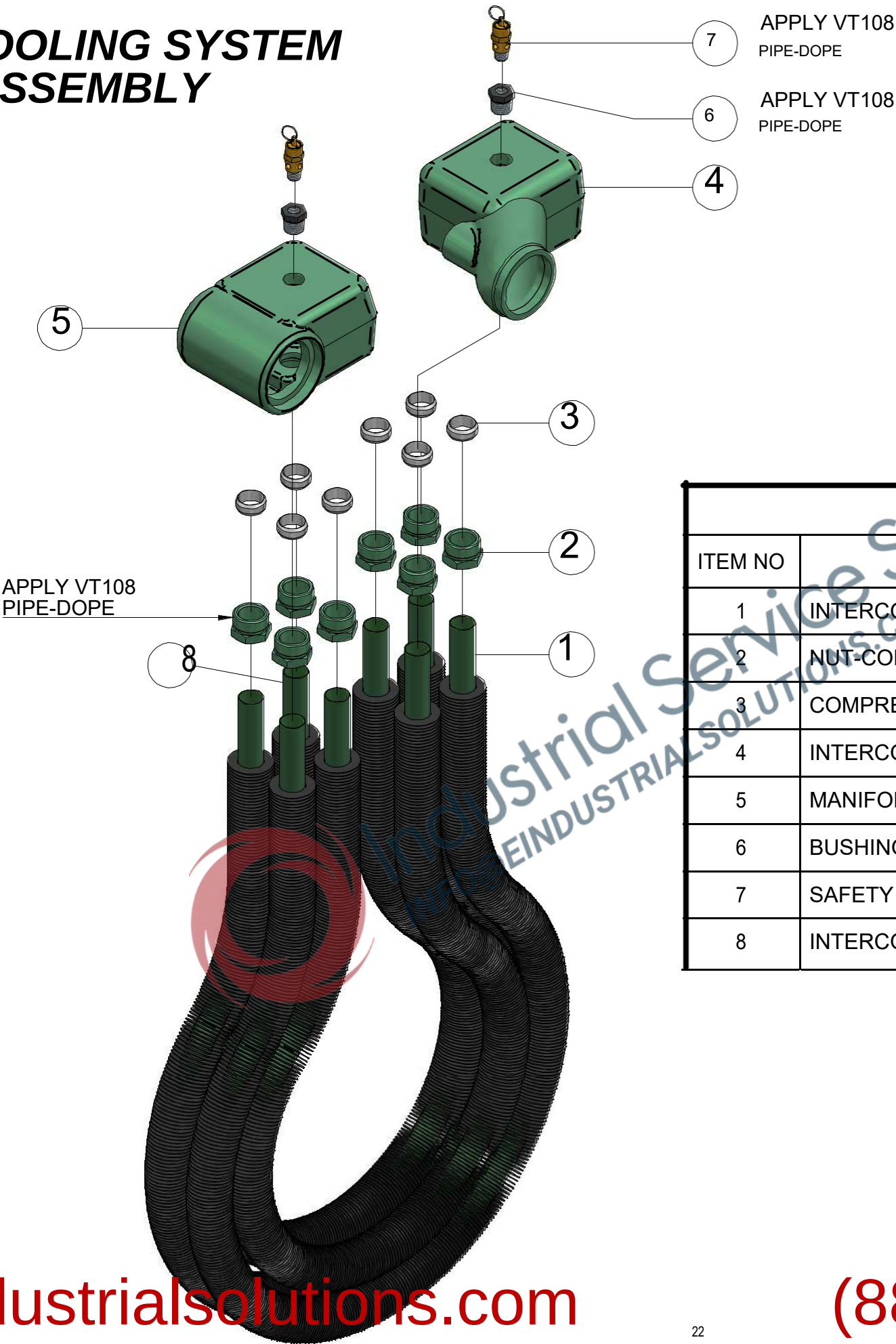
EXPLODED VIEW

AND

PARTS LIST



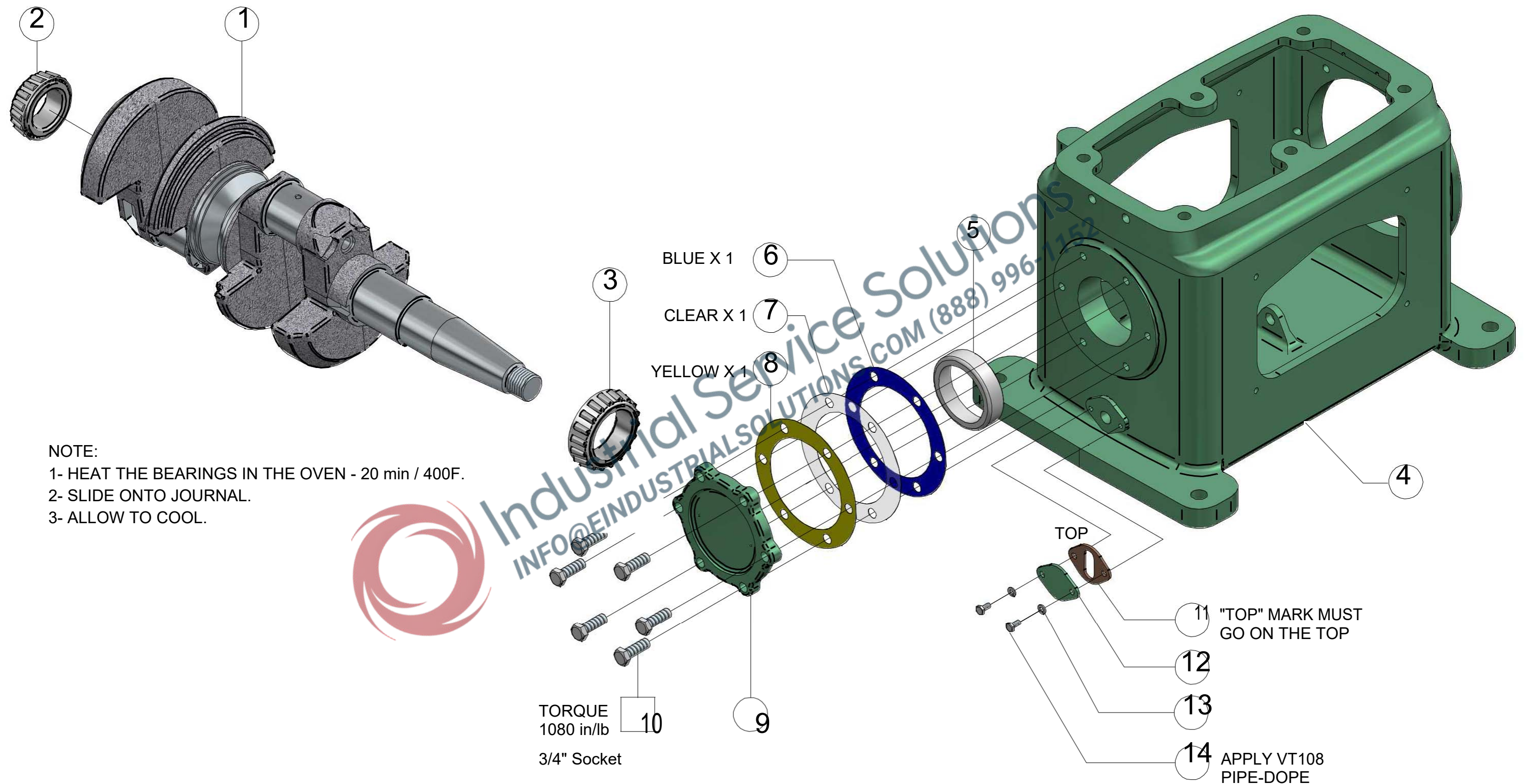
STEP 15 COOLING SYSTEM ASSEMBLY



PARTS LIST - COOLING SYSTEM ASSEMBLY			
ITEM NO	DESCRIPTION	Q	PART NUMBER
1	INTERCOOLER 1 X 71 3/8" LG OUTER INTERCOOLER	2	FCMA633A
2	NUT-COMPRESSION 1"	8	FCR226-6
3	COMPRESSION SLEEVE 1"	8	FCR226-5
4	INTERCOOLER OUTLET MANIFOLD	1	2601494140
5	MANIFOLD (INTERCOOLER HEADER)	1	2601494130
6	BUSHING 1/2" X 1/4"	2	FPTB0402AG
7	SAFETY VALVE 1/4"	2	FVV405
8	INTERCOOLER 1 X 65 1/8 INNER INTERCOOLER	2	FCMA633B

STEP 16 GENERAL ASSEMBLY

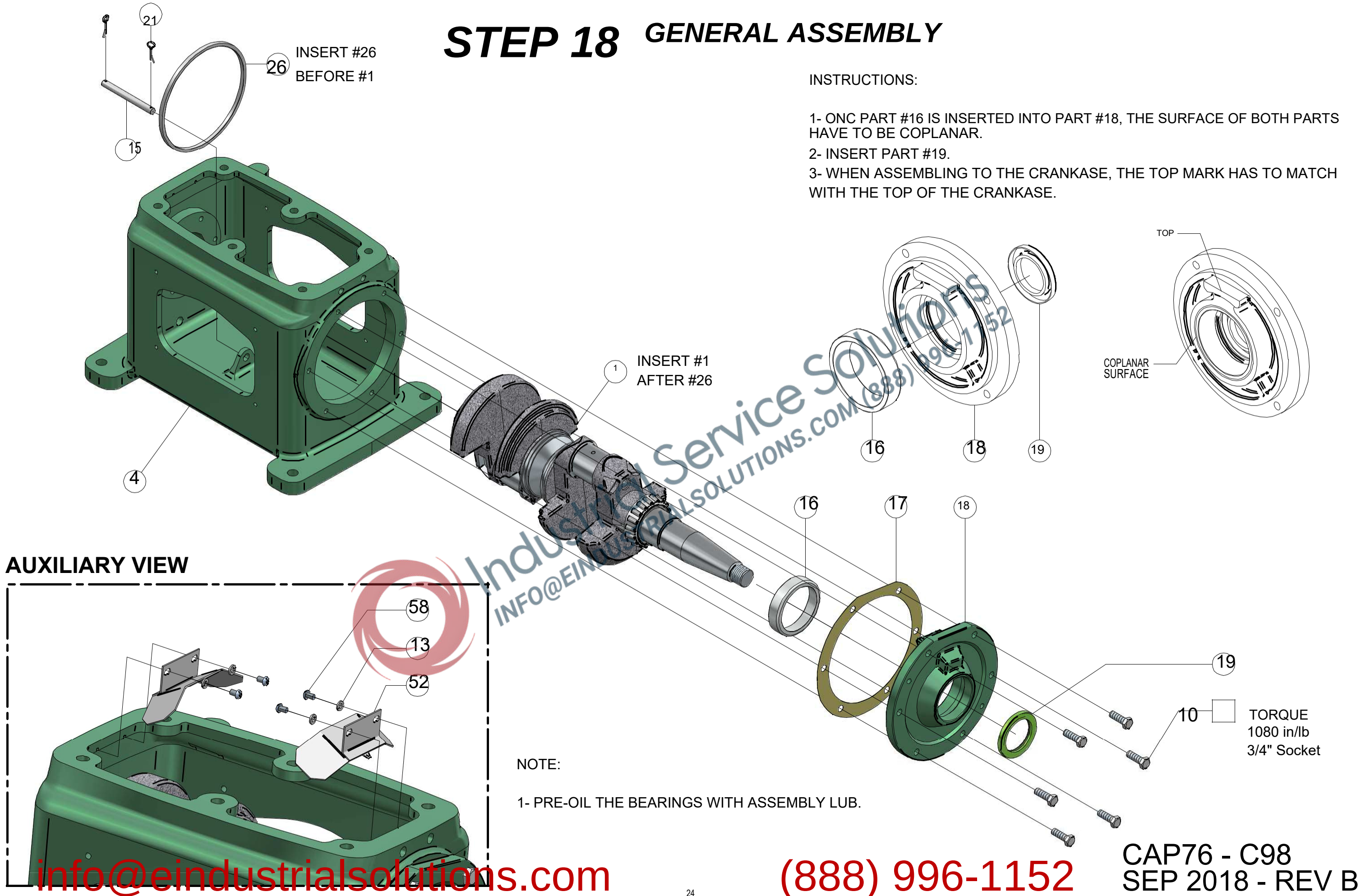
STEP 17 GENERAL ASSEMBLY



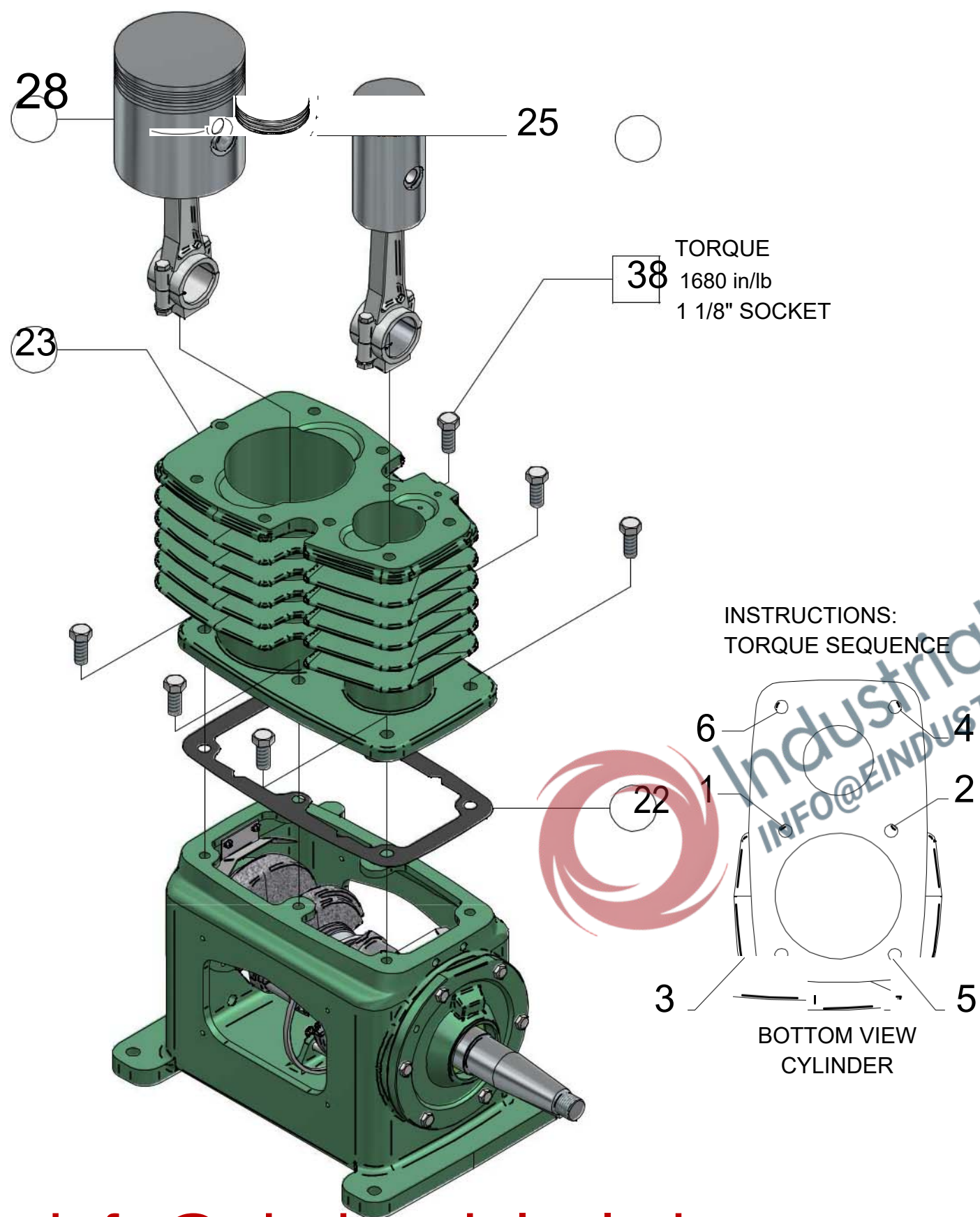
STEP 18 GENERAL ASSEMBLY

INSTRUCTIONS:

- 1- ONC PART #16 IS INSERTED INTO PART #18, THE SURFACE OF BOTH PARTS HAVE TO BE COPLANAR.
- 2- INSERT PART #19.
- 3- WHEN ASSEMBLING TO THE CRANKASE, THE TOP MARK HAS TO MATCH WITH THE TOP OF THE CRANKASE.

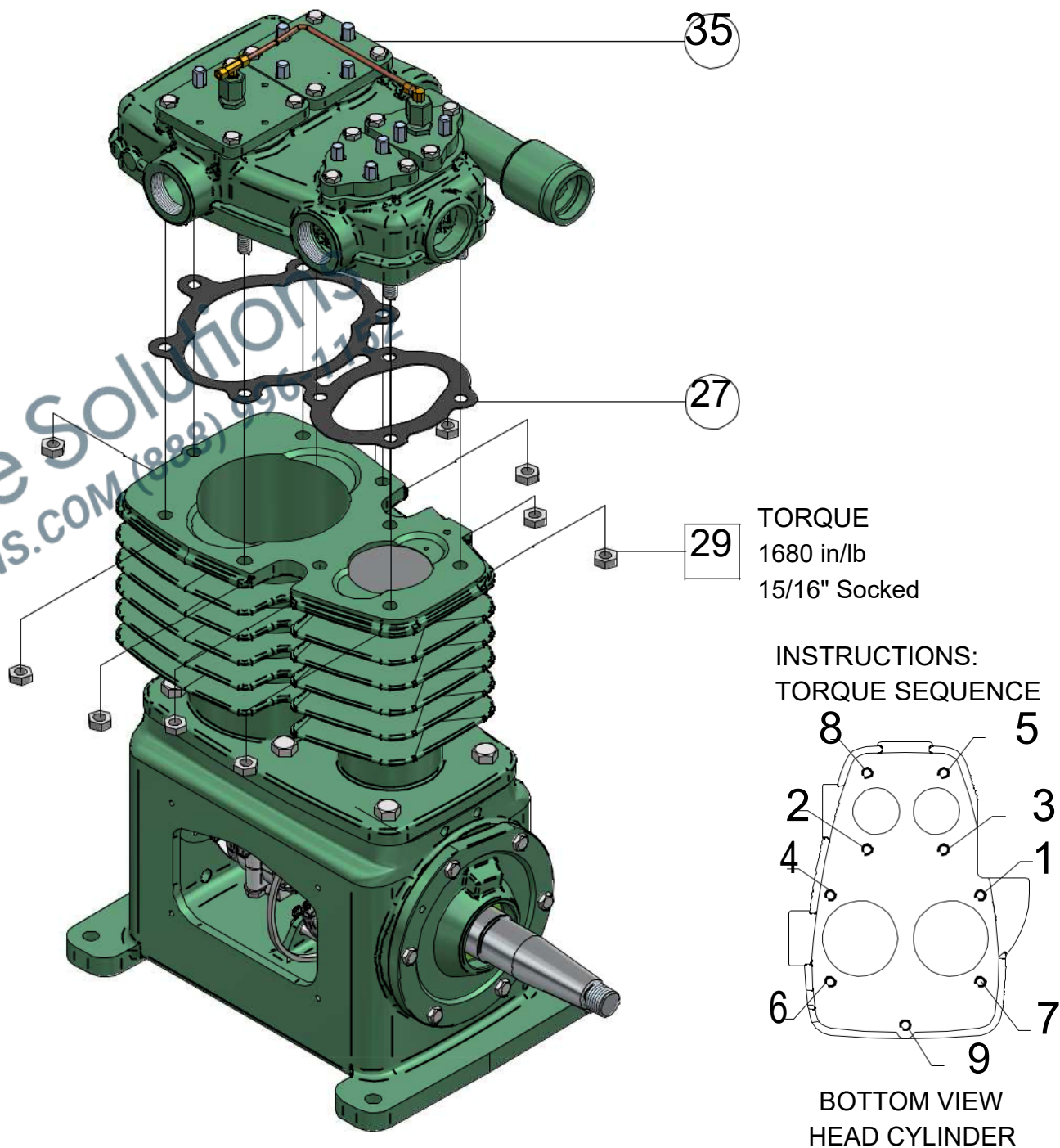


STEP 19 GENERAL ASSEMBLY



NOTE:
1- TORQUE SEQUENCE TRAINING NEEDED (SEE INSTRUCTIONS)

STEP 20 GENERAL ASSEMBLY

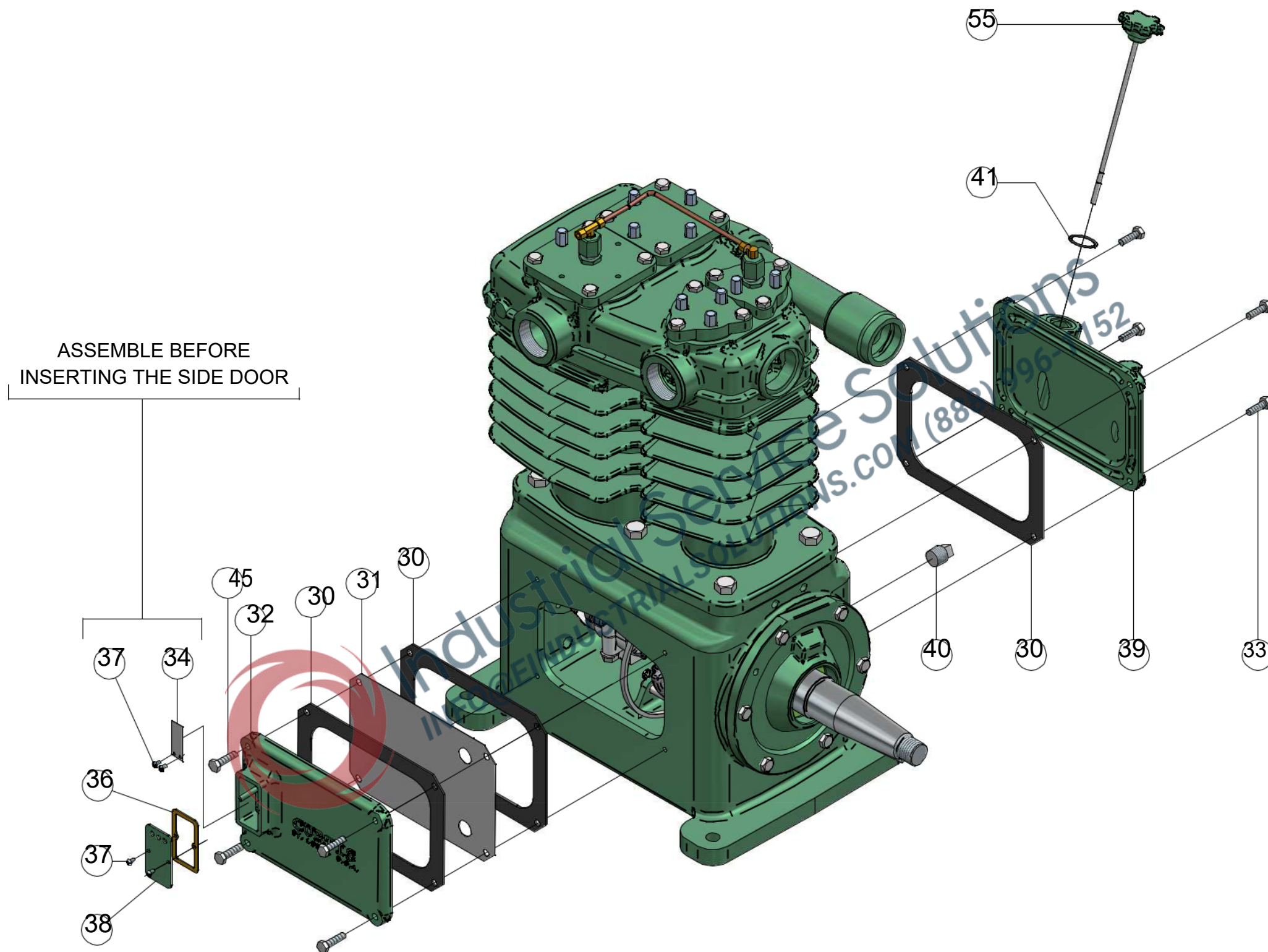


NOTE:
1- TORQUE SEQUENCE TRAINING NEEDED
(SEE INSTRUCTIONS)

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STEP 21 GENERAL ASSEMBLY



NOTE:

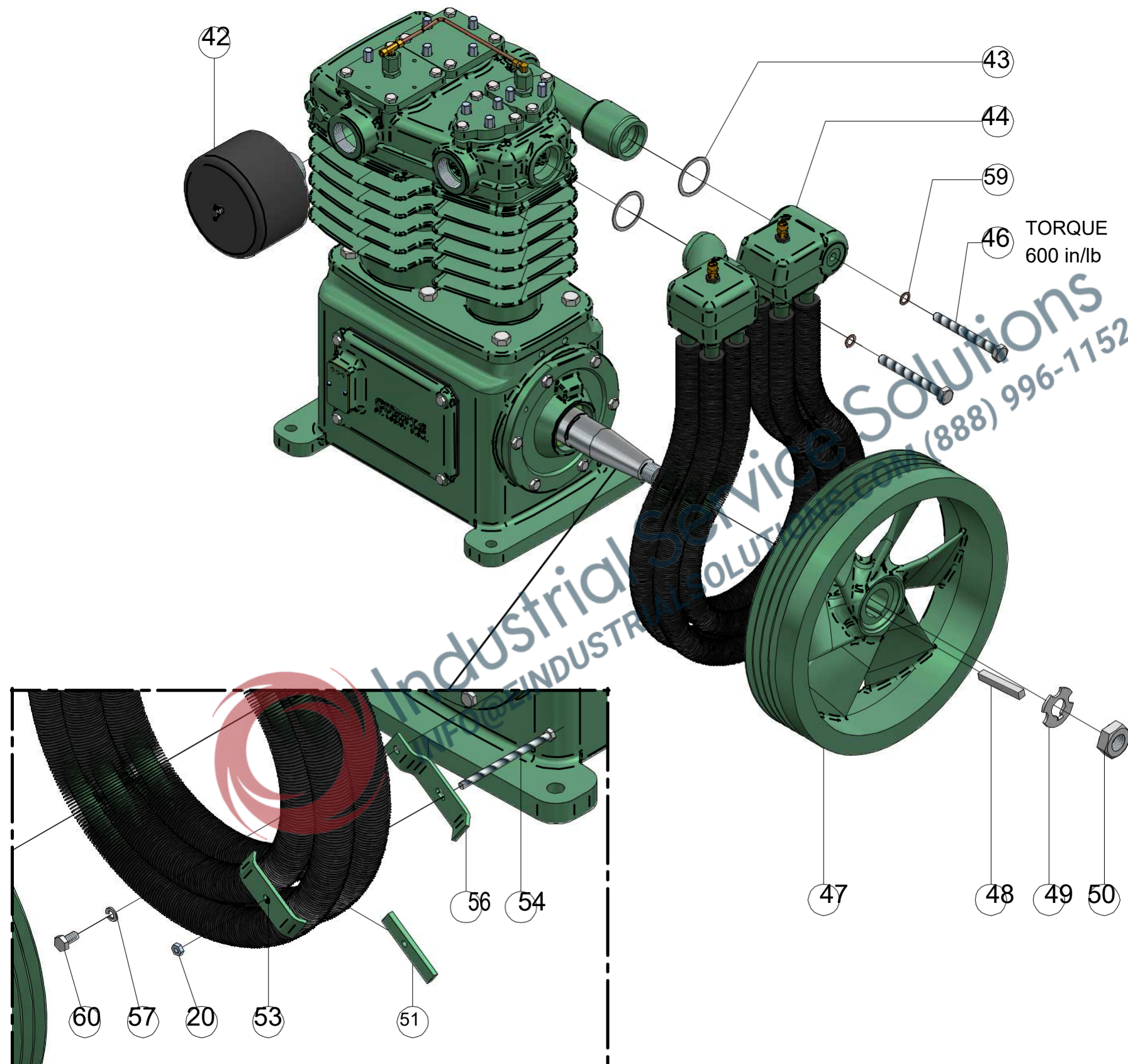
- 1- ASSEMBLE PARTS #34,37,36,38 BEFORE INSERTING THE PART #32 - SIDE DOOR-
- 2- USE ALIGNMENT PINS TO INSERT PARTS #30,31,32.
- 3- THE HOLES OF PART #31 MUST BE OPPOSITE THE BREATHER ASSY OF PART #32-SIDE DOOR-

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STEP 22 GENERAL ASSEMBLY



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GENERAL ASSEMBLY PARTS LIST

PARTS LIST - GENERAL ASSEMBLY					PARTS LIST - GENERAL ASSEMBLY				
ITEM NO	DESCRIPTION	Q	PART NUMBER	NOTES	ITEM NO	DESCRIPTION	Q	PART NUMBER	NOTES
1	CRANKSHAFT	1	FCMA657		35	C98 HEAD CYLINDER ASSEMBLY	1	-	*SEE STEPS #8-12
2	CONE-BEARING	1	FVD850		36	GASKET-BREATHER COVER	1	FCM665	
3	CONE-BEARING-FLYWHEEL SIDE	1	FVD851		37	FHMS10/32 X 3/8	4	FVH01CC	
4	C98 CRANKCASE	1	FCDB1306		38	BREATHER COVER	1	FCM663	
5	CUP-BEARING	1	-	*INCL. WITH ITEM #2	39	C98 OIL FILL SIDE DOOR	1	FCDB1308	
6	SHIM/BLUE .005 THICK	1	FVB1204		40	PLUG SQ HEAD 3/4 NPT CI BLACK	1	FPTP05AG	
7	SHIM/TRANSPARENT .007 THICK	1	FVB1205		41	O-RING	1	FVB416	
8	SHIM/YELLOW .020 THICK	1	FVB1206		42	C98 Air Filter Assembly	1	FVA1128	
9	END PLATE	1	2601039690		43	C98 INTERCOOLER MANIFOLD GASKET	2	FCM659	
10	HHCS 1/2-13UNC X 1 .5	12	FVH12PM1		44	C98 COOLING SYSTEM ASSEMBLY	1	-	SEE STEP #15
11	GASKET, FLANGE COVER PLATE	1	FCA2312A		45	HHCS, 3/8-16 X 1-1/2 ASTM A307 ZINC	4	FVH11KM1	
12	LOW OIL GUARD COVER	1	FCA2323		46	HHCS 5/8-11UNC X 6 1/2	2	FVH1658	
13	LOCKWASHER 1/4"	6	FVH35F1		47	FLYWHEEL	1	2689230010	
14	HHCS 1/4-20 X 1/2" GR 5, ZINC	2	FVH12FD1		48	FLYWHEEL KEY 9/16 X 9/16 X 4	1	FCMA665	
15	OIL RING GUIDE PIN	1	FCX2123		49	LOCKWASHER	1	FCW222-1	
16	CUP-BEARING	1	-	*INCL. WITH ITEM #3	50	NUT, CRANKSHAFT (CX9BG)	1	FCX225-2	
17	C98 LARGE END PLATE GASKET	1	FCX2163		51	INTERCOOLER SPACER	1	FCMA635	
18	LARGE END PLATE	1	2601039670		52	BAFFLE ASSEMBLY	2	FCW2365	
19	OIL SEAL	1	FVB312		53	INTERCOOLER BOTTOM CLAMP	1	FCMA636	
20	NUT-FLEX LOC-HEX 5/16"-18 X 5/16"	1	FVH20H		54	SCREW-HEX HEAD CAP 5/16 X 5	1	FVH11HZ	
21	COTTER- 1/8 X 1	2	FVH23DH		55	DIPSTICK ASSEMBLY	1	FCDB1309	
22	C98 CYLINDER TO CRANKCASE GASKET	1	FCX2162		56	INTERCOOLER TOP CLAMP	1	FCMA634	
23	CYLINDER	1	2689020610		57	LOCKWASHER 3/8" ZINC PLATED	1	FVH35K1	
24	SCREW-HX. HEAD CAP 3/4 X 1 3/4" GRADE 2	6	FVH11TN		58	SCREW-MACHINE 10/32 X 3/8	4	FVH01CC	
25	H.P. PISTON ASSEMBLY	1	-	*SEE STEP #14	59	WASHER, COPPER	2	FVH1224	
26	RING-OILING 8 9/16 X 5/16	1	FCM679		60	SCREW-HEX HEAD-CAP 3/8 X 3/4	1	FVH11KF	
27	C98 CYLINDER HEAD GASKET	1	FCM660		* Item Not Available For Individual Sale				
28	L.P. PISTON ASSEMBLY	1	-	*SEE STEP #13					
29	NUT HEX 5/8-11 ZINC PLATED	9	FVH15R1						
30	SIDE DOOR GASKET, C98	3	FCMA620						
31	C98 BAFFLE PLATE	1	FCMA619						
32	C98 BREATHER SIDE DOOR	1	2601039720						
33	SCREW-HEX HEAD-CAP 3/8 X 1 1/4	4	FVH12KK1						
34	BREATHER VALVE (SIDE DOOR)	1	FCM664						

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NOTES

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