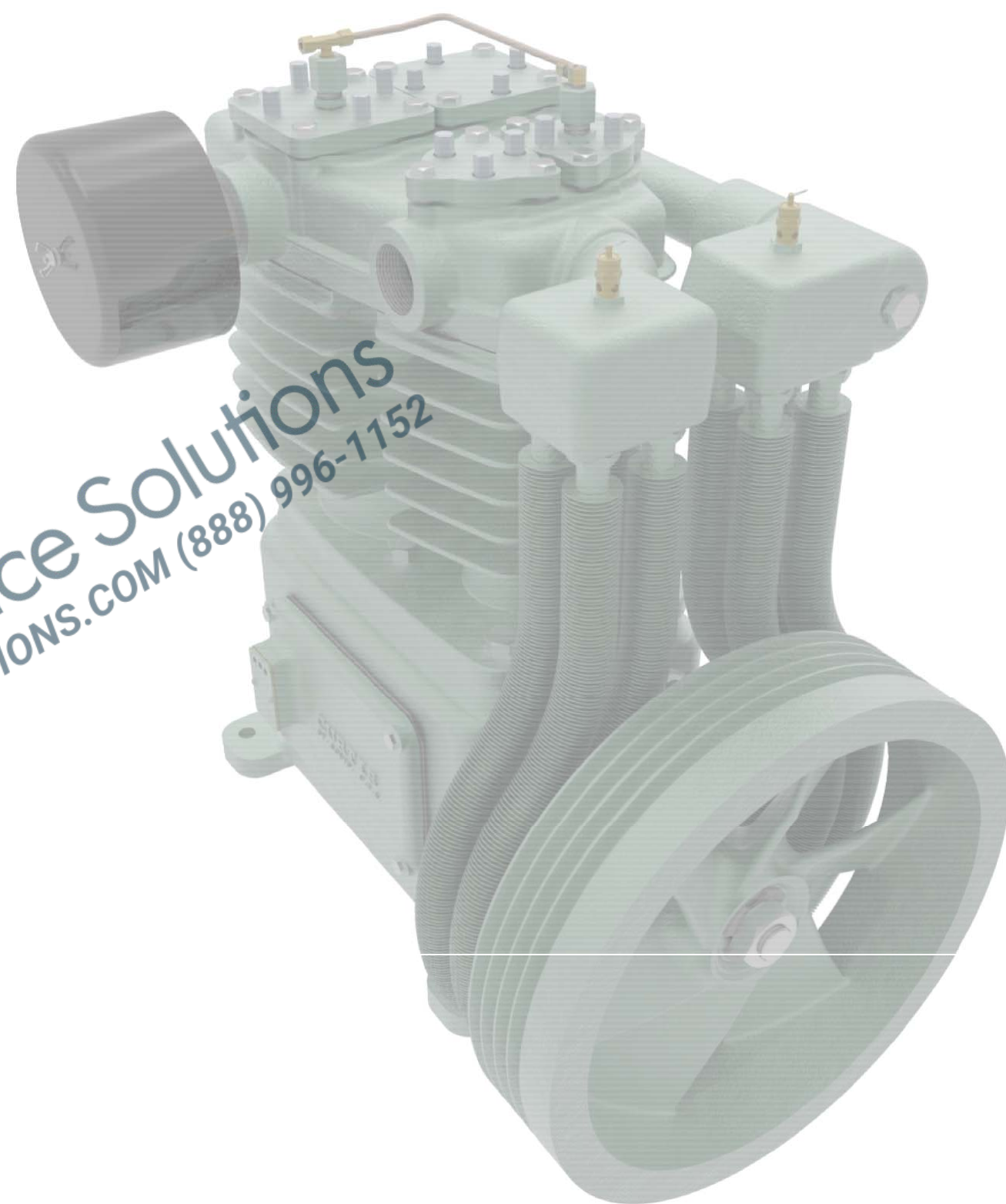




C98 SERVICE KITS AND PARTS LIST



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SERVICE KITS

PARTS LIST



Industrial Service Solutions
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LP VALVE SERVICE KITS

LPSV SERVICE KIT				
KIT NUMBER	PARTS	DESCRIPTION	QTY	NOTES
FSK-C98LPSV	FCDB1317-P	VALVE LP SUCTION	1	*
	FCDB1304	GASKET LOW PRESSURE VALVE	1	
	FVH1232	WASHER 9/16 X 25/64 X 0.051 ALUMINUM	4	
	FCM657	GASKET VALVE PLATE C200-300, C98, C100	1	
	FVA729	TEE COMP RUN 1/8 NPT X 1/4 OD X 1/4 OD	1	
	FCA29948	SPRING UNLOADER FORK	1	
	FVH12PL	SCREW HEX HD 1/2-13UNC X 1 1-3/8 GR5 ZN	4	
	FRK2063	NUT STUD REPLACES RK29E	4	
	FVH08KP	SCREW SOCKET HEAD CUP PT 3/8-16 X2 BL OX	4	
	FCBA959	CYLINDER UNLOADER LP SUCTION VALVE ASSY	1	
	FCBB931	FORK UNLOADER ASSY	1	

* Item Not Available For Individual Sale

LPDV SERVICE KIT				
KIT NUMBER	PARTS	DESCRIPTION	QTY	NOTES
FSK-C98LPDV	FCDB1318-P	VALVE LP DISCHARGE	1	*
	FCM657	GASKET VALVE PLATE C200-300, C98, C100	1	
	FCDB1304	GASKET LOW PRESSURE VALVE	1	
	FVH1232	WASHER 9/16 X 25/64 X 0.051 ALUMINUM	4	
	FVH12PL	SCREW HEX HD 1/2-13UNC X 1 1-3/8 GR5 ZN	4	
	FVH08KP	SCREW SOCKET HEAD CUP PT 3/8-16 X2 BL OX	4	
	FRK2063	NUT STUD REPLACES RK29E	4	

* Item Not Available For Individual Sale

HP VALVE SERVICE KITS

HPSV SERVICE KIT				
KIT NUMBER	PARTS	DESCRIPTION	QTY	NOTES
FSK-C98HPSV	FCMA607-P	VALVE SUCTION ASSY	1	*
	FCDB1305	GASKET HIGH PRESSURE VALVE ALUMINUM	1	
	FVH1232	WASHER 9/16 X 25/64 X 0.051 ALUMINUM	3	
	FCM656	GASKET VALVE HIGH PRESS ORDER W/ CM657	1	
	FVH12PL	SCREW HEX HD 1/2-13UNC X 1 1-3/8 GR5 ZN	3	
	FVH08KN	SCREW HEX HD CUP PT 3/8-16 X 1-3/4 BL OX	3	
	FRK2063	NUT STUD REPLACES RK29E	3	
	FCBB921	BUFFER ASSY UNLOADER OVER TRAVEL	1	
	FCA29948	SPRING UNLOADER FORK	1	
	FCBB920	FORK UNLOADER HIGH PRESS SUCTION VALVE	1	
	FCBB926	CYLINDER ASSY UNLOADER HP SUCTION VALVE	1	

* Item Not Available For Individual Sale

HPDV SERVICE KIT				
KIT NUMBER	PARTS	DESCRIPTION	QTY	NOTES
FSK-C98HPDV	FCDB1320-P	VALVE DISCHARGE HIGH PRESSURE ASSY C98	1	*
	FCM656	GASKET VALVE HIGH PRESS ORDER W/ CM657	1	
	FVH1232	WASHER 9/16 X 25/64 X 0.051 ALUMINUM	3	
	FCDB1305	GASKET HIGH PRESSURE VALVE ALUMINUM	1	
	FVH12PL	SCREW HEX HD 1/2-13UNC X 1 1-3/8 GR5 ZN	3	
	FVH08KP	SCREW SOCKET HEAD CUP PT 3/8-16 X2 BL OX	3	
	FRK2063	NUT STUD REPLACES RK29E	3	

* Item Not Available For Individual Sale

GASKET & RINGS SERVICE KIT

GASKET SERVICE KIT				
KIT NUMBER	PARTS	DESCRIPTION	QTY	NOTES
FSK-C98GK	FCMA620	GASKET SIDE DOOR	3	
	FCM656	GASKET VALVE HIGH PRESS ORDER W/ CM657	2	
	FCM657	GASKET VALVE PLATE C200-300, C98, C100	2	
	FCM659	GASKET INTERCOOLER MANIFOLD	2	
	FCM660	GASKET CYLINDER HEAD	1	
	FCM665	GASKET BREATHER COVER ALL ML	1	
	FCX2162	GASKET CRANKCASE	1	
	FCX2163	GASKET END PLATE	1	
	FVH1224	WASHER .650 X .958 X .0475 COPPER	2	
	FVH1232	WASHER 9/16 X 25/64 X 0.051 ALUMINUM	14	
	FCDB1304	GASKET LOW PRESSURE VALVE	2	
	FCDB1305	GASKET HIGH PRESSURE VALVE ALUMINUM	2	
	FCA2312A	GASKET/FLANGE COVER PLATE - REPL CA2312	1	
	FVB416	O-RING	1	
	FCMA602	END PLATE SMALL SHIM SET	1	
	FCX2325	SMALL END PLATE GASKET	1	

PISTON RING SERVICE KIT				
KIT NUMBER	PARTS	DESCRIPTION	QTY	NOTES
FSK-C98RNG	FCMA631	RING SET HP PISTON C98	1	
	FCMA630	RING SET LP PISTON C98	1	

ADDITIONAL SERVICE KITS

1000 HR SERVICE KIT				
KIT NUMBER	PARTS	DESCRIPTION	QTY	NOTES
FSK-C9810SK	FVA1129	FILTER ELEMENT 2	1	
	FSC-1000QT	OIL FSC-1000 1 QUART RECIP OIL	6	

REBUILD SERVICE KIT				
KIT NUMBER	PARTS	DESCRIPTION	QTY	NOTES
FSK-C98RK	FSK-C98LERK	KIT LOWER END REBUILD C9801 & LATER	1	
	FVA1129	FILTER ELEMENT 2	1	
	FSK-C98LPSV	KIT, VALVE REPLACEMENT C98 L.P.S.V.	1	
	FSK-C98LPDV	KIT, VALVE REPLACEMENT C98 L.P.D.V.	1	
	FSK-C98HPSV	KIT, VALVE REPLACEMENT C98 H.P.S.V.	1	
	FSK-C98HPDV	KIT, VALVE REPLACEMENT C98 H.P.D.V.	1	

LOWER END REBUILD SERVICE KIT				
KIT NUMBER	PARTS	DESCRIPTION	QTY	NOTES
FSK-C98LERK	FCMA631	RING SET HP PISTON C98	1	
	FCMA630	RING SET LP PISTON C98	1	
	FVD840	BEARING PISTON PIN (BUSHING)	4	
	FVH12NU	SCREW HEX HD 1/2-20UNF X 3-1/4 GR5 ZN PL	4	
	FVH35P1	LOCKWASHER LIGHT 1/2 ZINC PLATED	4	
	FVH15P1	NUT HEX 1/2-13UNC ZINC GRADE A ZN PLATED	4	
	FSK-C98GK	KIT SERVICE GASKET SET	1	
	FCM606	CONNECTING ROD BEARINGS SET	2	

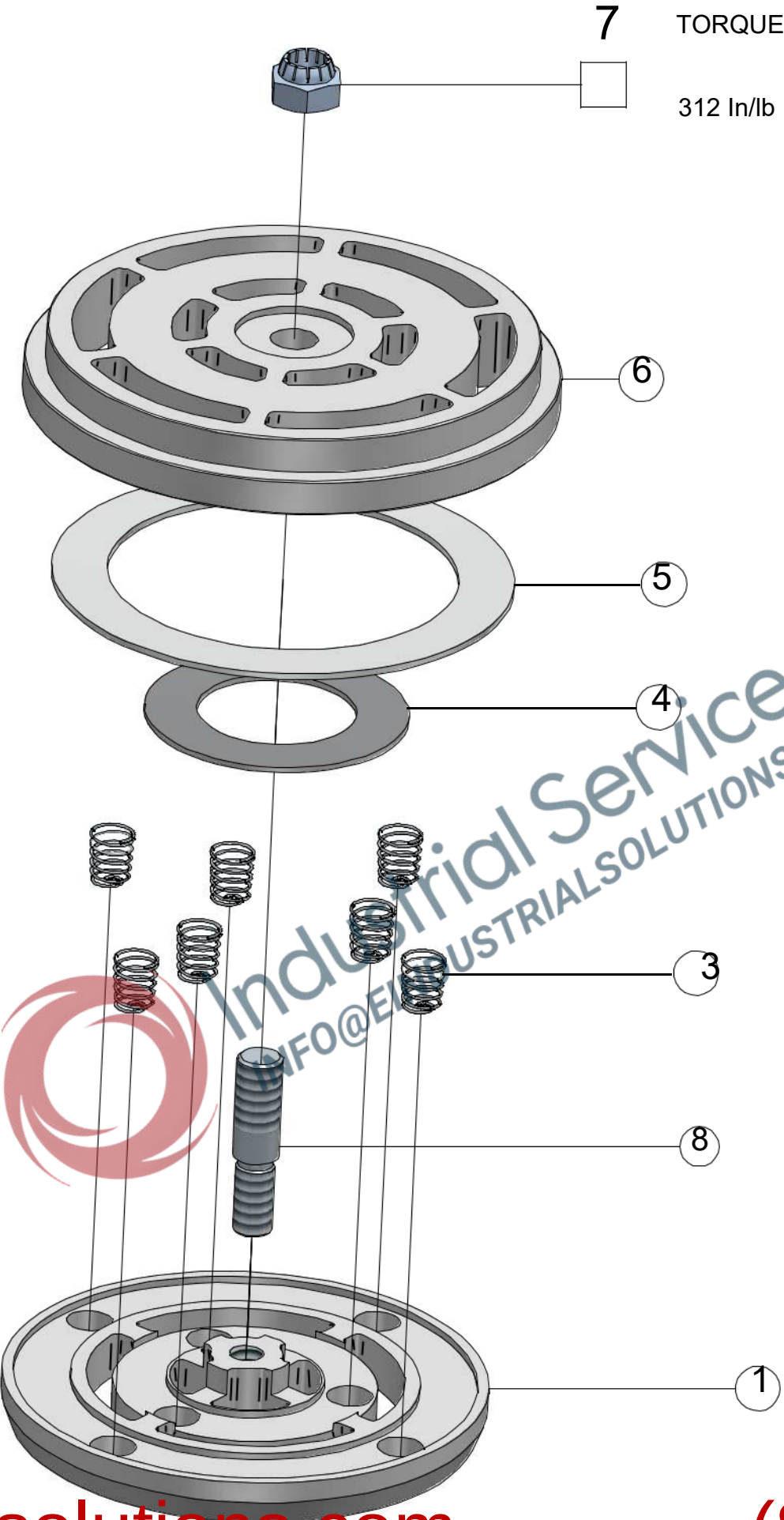


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VALVES EXPLODED VIEW AND PARTS LIST

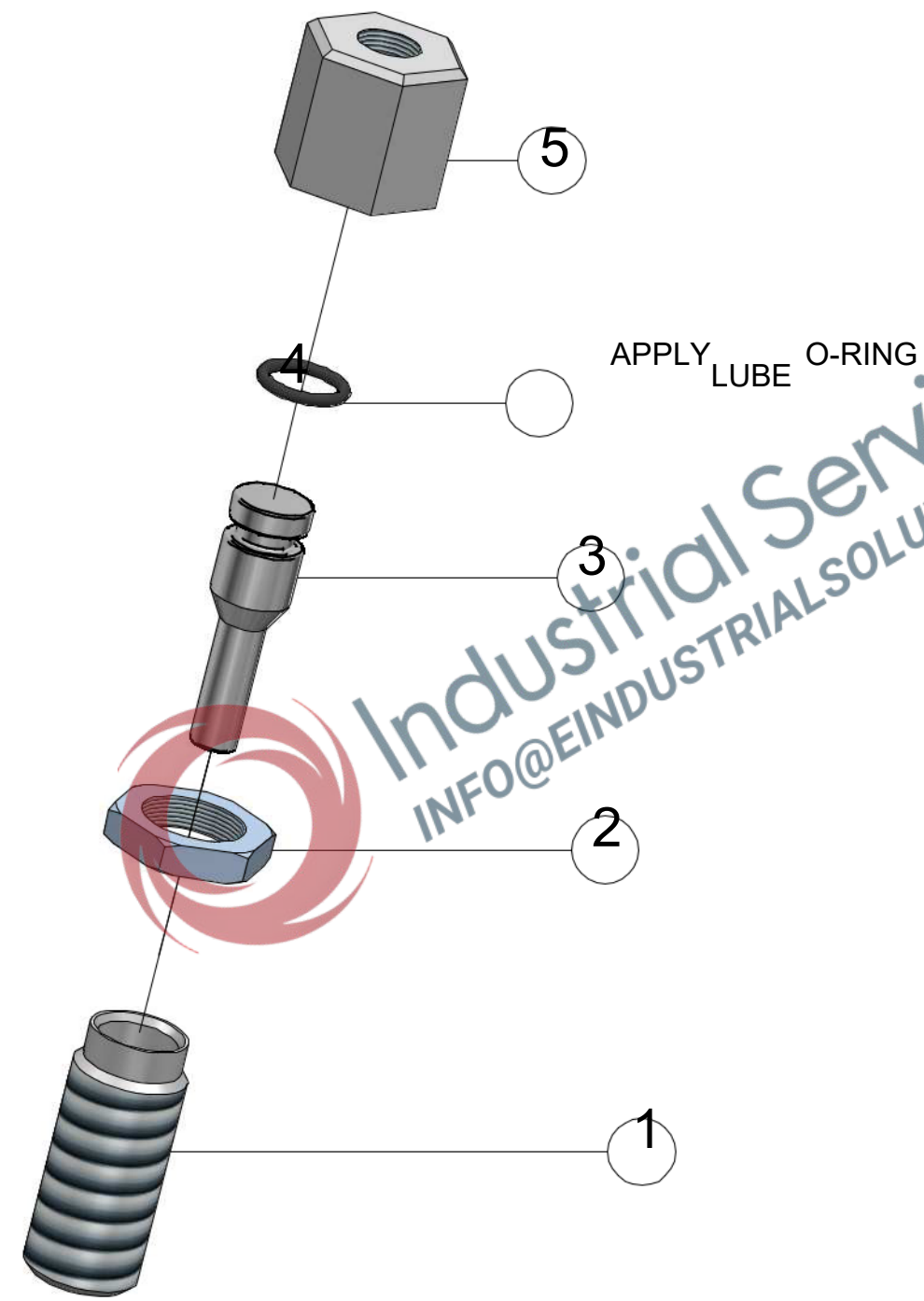
*****Some Parts Not Available For Individual Sale*****

STEP 1
L.P. SUCTION
VALVE ASSEMBLY
FCDB1317-P



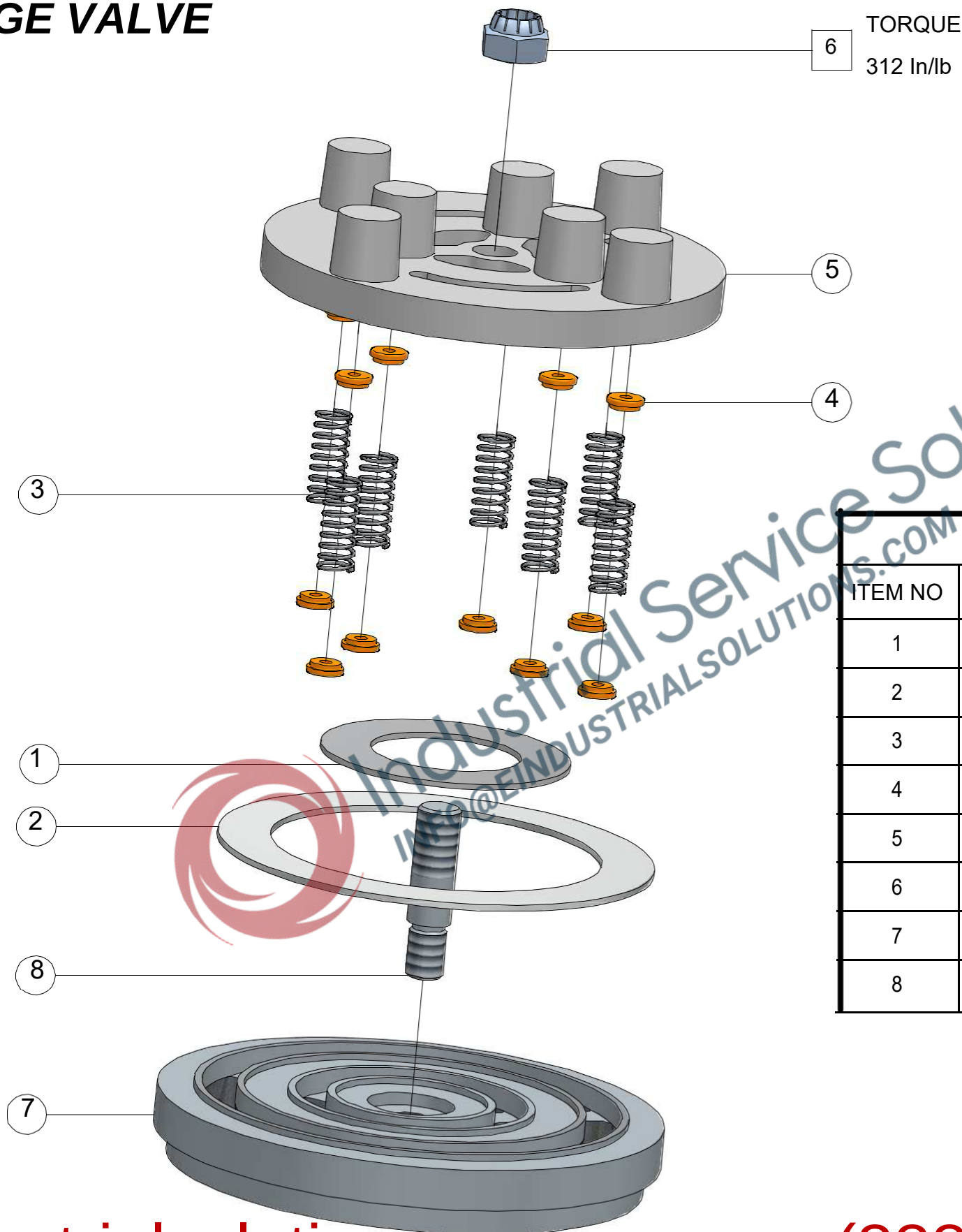
PARTS LIST - L.P. SUCTION FIRST ASSEMBLY			
ITEM NO	DESCRIPTION	Q	NOTES
1	S.V. BKSTOP CSTG CM633X	1	FCMA629
3	SUCTION VALVE SPRING	7	FCA29946
4	VALVE DISC	1	FCM641
5	VALVE DISC	1	*ONLY INFCM640KITFSK-C98LPSV
6	VALVE SEAT	1	FCM636
7	NUT 7/16-20NF-FLEX LOC	1	FVH20L
8	SUCTION VALVE STUD	1	FCMA625

STEP 2
L.P. SUCTION VALVE UNLOADER
CYLINDER ASSEMBLY
FCBA959



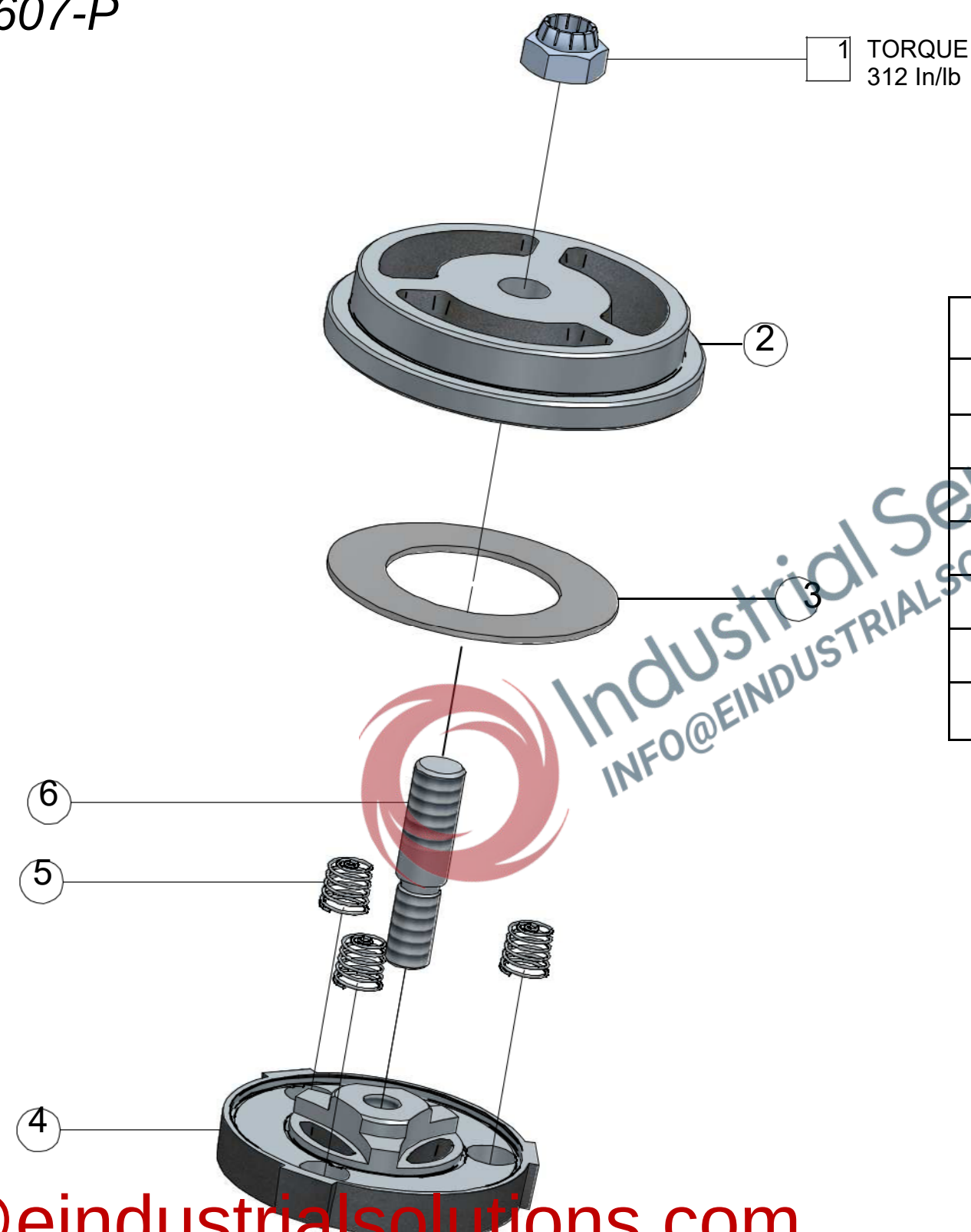
PARTS LIST - L.P. SUCTION VALVE UNLOADER CYLINDER ASSEMBLY			
ITEM NO	DESCRIPTION	Q	PART NUMBER
1	CYLINDER-UNLOADER	1	FCBA961
2	LOCKNUT	1	FCB6138
3	LPSV UNLOADER PISTON	1	FCBA960
4	O-RING	1	FVB407
5	CAP-UNLOADER CYLINDER	1	FCBA924

STEP 3
L.P. DISCHARGE VALVE
ASSEMBLY
FCDB1318-P



PARTS LIST - L.P. DISCHARGE ASSEMBLY			
ITEM NO	DESCRIPTION	Q	NOTES
1	VALVE DISC	1	FCM641
2	VALVE DISC	1	FCM640
3	VALVE SPRING .915 X .302 X .035	7	FCA29946
4	BUTTON	14	FCMA646
5	BACKSTOP	1	*ONLY IN KIT FSK-C98LPDV FCMA642
6	NUT 7/16-20NF-FLEX LOC	1	FVH20L
7	DISCHARGE VALVE SEAT	1	FCMA628
8	VALVE SEAT STUD	1	FCMA624

STEP 4
H.P. SUCTION VALVE
ASSEMBLY
FCMA607-P



PARTS LIST - H.P. SUCTION VALVE ASSEMBLY			
ITEM NO	DESCRIPTION	Q	NOTES
1	NUT 7/16-20NF-FLEX LOC	1	FVH20L
2	SUCTION VALVE SEAT	1	FCM638
3	VALVE DISC	1	FCM641
4	SUCTION VALVE BACKSTOP	1	*ONLY IN KIT FSK-C98HPSV FCMA627
5	SUCTION VALVE SPRING	3	FCA29946
6	SUCTION VALVE STUD	1	FCMA625

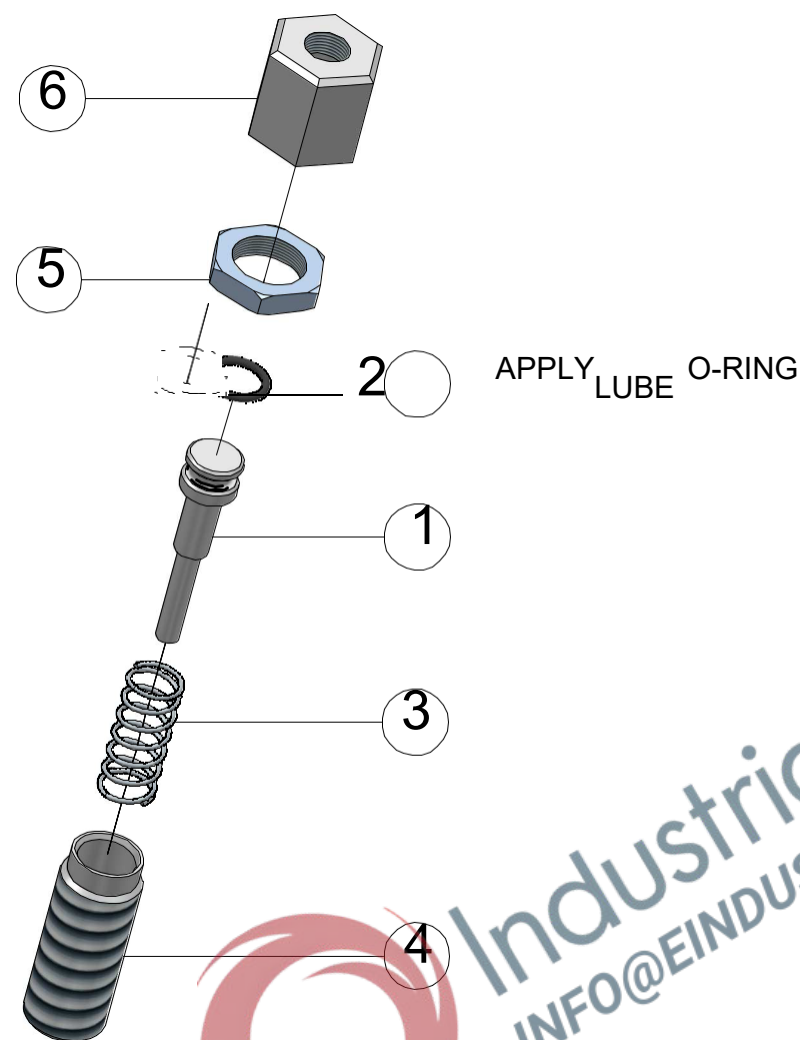
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STEP 5

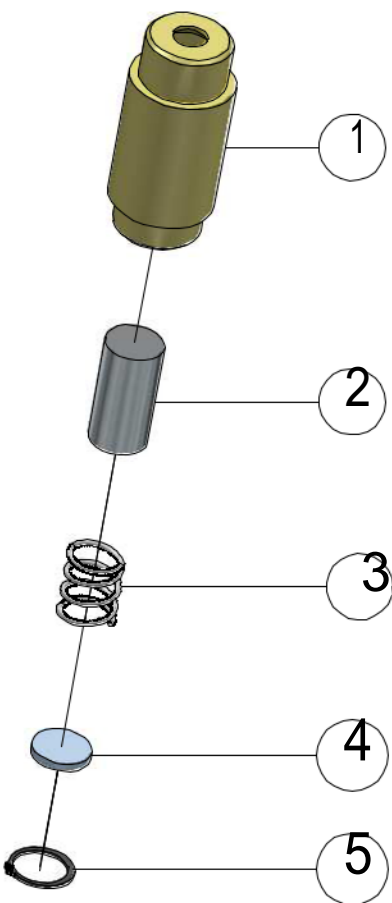
H.P. SUCTION VALVE UNLOADER CYLINDER ASSEMBLY FCBB926



PARTS LIST - H.P. SUCTION VALVE UNLOADER CYLINDER ASSEMBLY			
ITEM NO	DESCRIPTION	Q	PART NUMBER
1	PISTON-UNLOADER	1	FCBA972
2	O-RING	1	FVB407
3	HPSV UNLOADER SPRING	1	FCBA976
4	CYLINDER-UNLOADER	1	FCBB925
5	LOCKNUT	1	FCB6138
6	CAP-UNLOADER CYLINDER	1	FCBA924

STEP 6

H.P. SUCTION VALVE UNLOADER BUFFER ASSEMBLY FCBB921

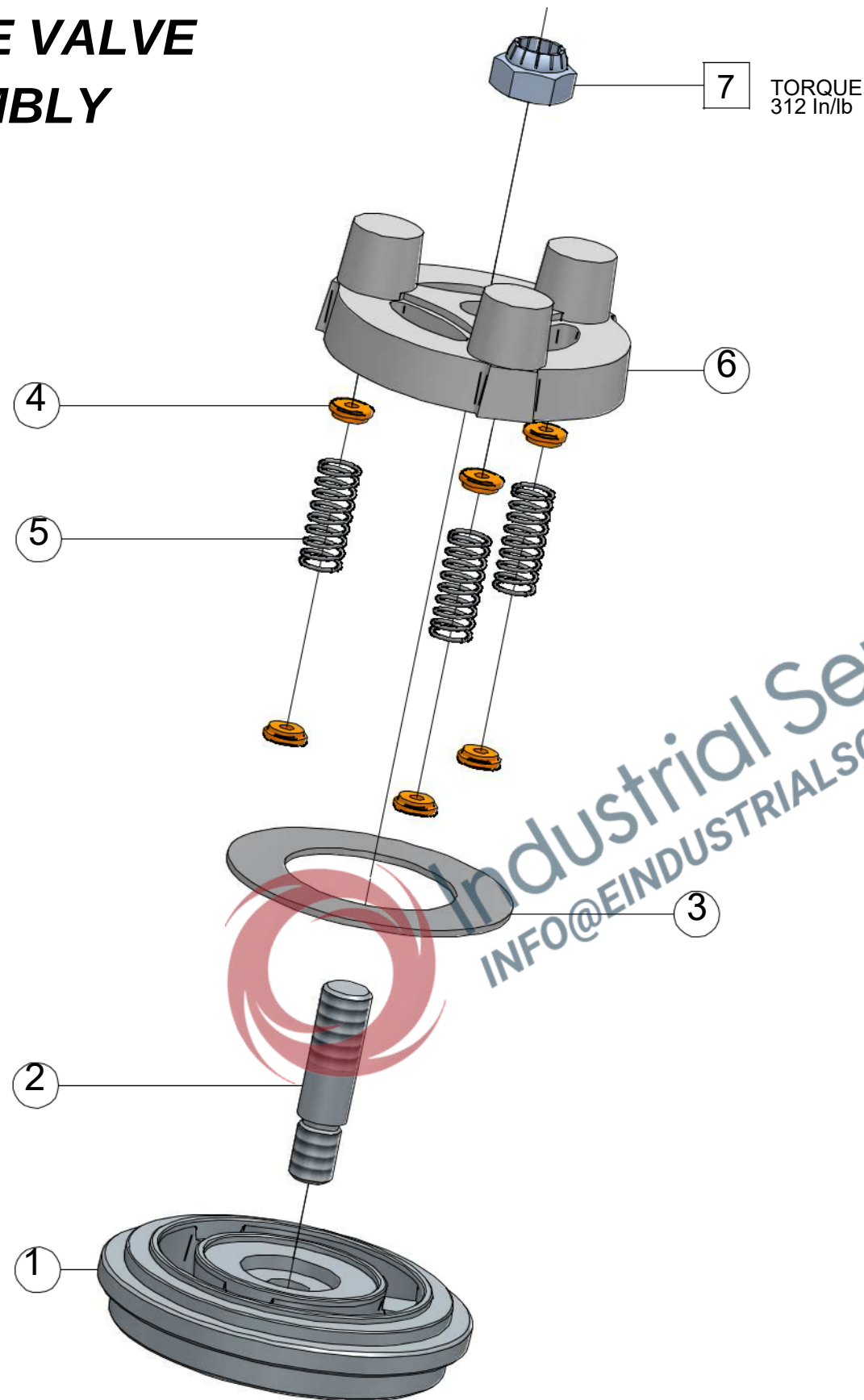


PARTS LIST - H.P. SUCTION VALVE UNLOADER BUFFER ASSEMBLY			
ITEM NO	DESCRIPTION	Q	PART NUMBER
1	HOUSING-UNLOADER OVER TRAVEL BUFFER	1	FCBB922
2	DISC	1	FCBB923
3	UNLOADER SPRING OVERTRAVEL BUFFER	1	FCBB906
4	BUFFER ASSM DISC	1	FCBB904A
5	RETAINING RING	1	FVH1809

STEP 7

H.P. DISCHARGE VALVE SECOND ASSEMBLY

FCDB1320-P



PARTS LIST - H.P. DISCHARGE VALVE SECOND ASSEMBLY			
ITEM NO	DESCRIPTION	Q	PART NUMBER
1	DISCHARGE VALVE SEAT D97/C98	1	FCMA626
2	VALVE SEAT STUD	1	FCMA624
3	VALVE DISC	1	FCM641
4	BUTTON	6	*ONLY INFCMA646KITFSK-C98HPDV
5	VALVE SPRING .915 X .302 X .035	3	FCMA647
6	BACKSTOP	1	FCMA644
7	NUT 7/16-20NF-FLEX LOC	1	FVH20L

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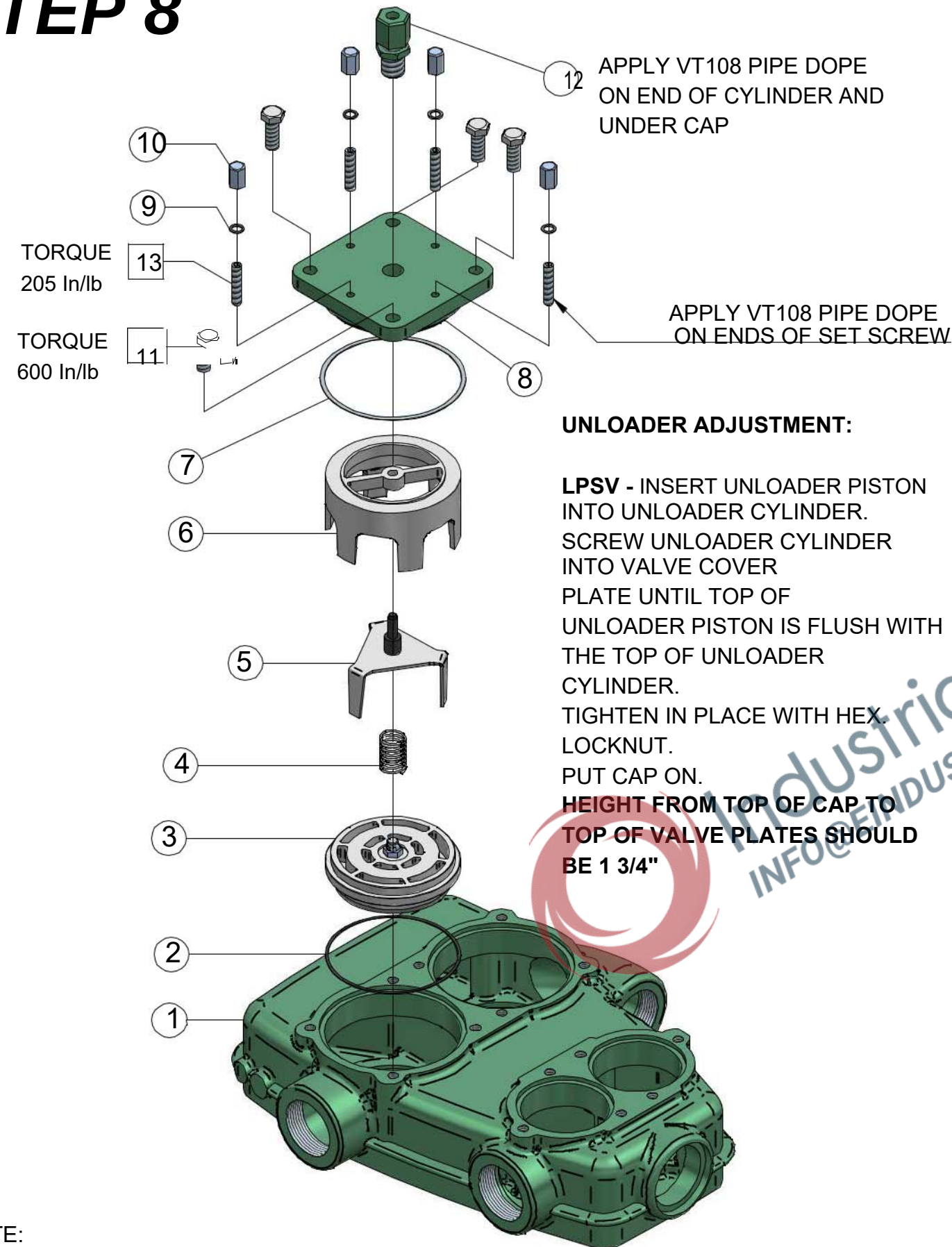
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CYLINDER HEAD EXPLODED VIEW AND PARTS LIST



CYLINDER HEAD

STEP 8

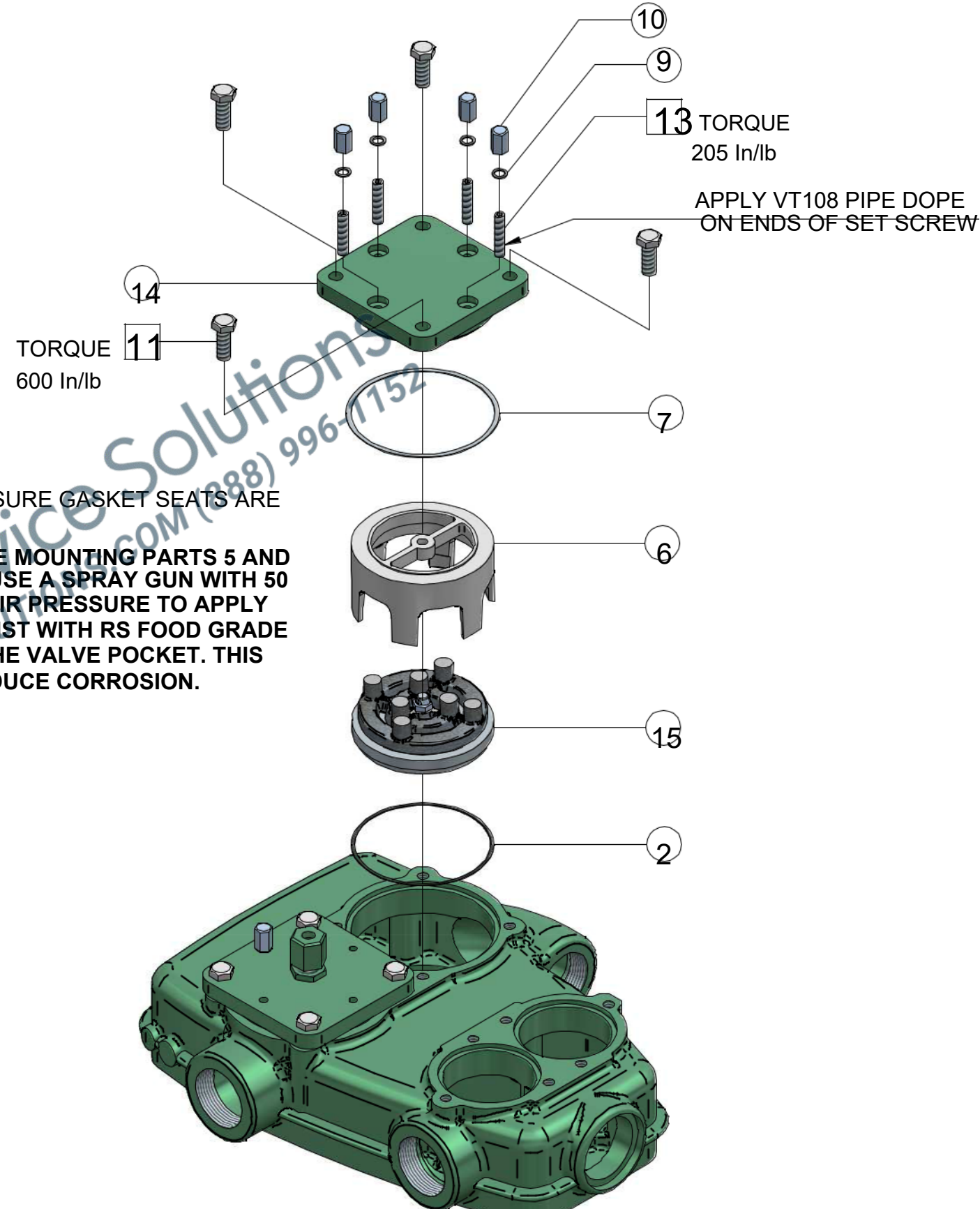


NOTE:
1- MAKE SURE GASKET SEATS ARE CLEAN.
2-BEFORE MOUNTING PARTS 4 AND ABOVE USE A SPRAY GUN WITH 50 LBS OF AIR PRESSURE TO APPLY AN OIL MIST WITH RS FOOD GRADE OIL TO THE VALVE POCKET. THIS WILL REDUCE CORROSION.

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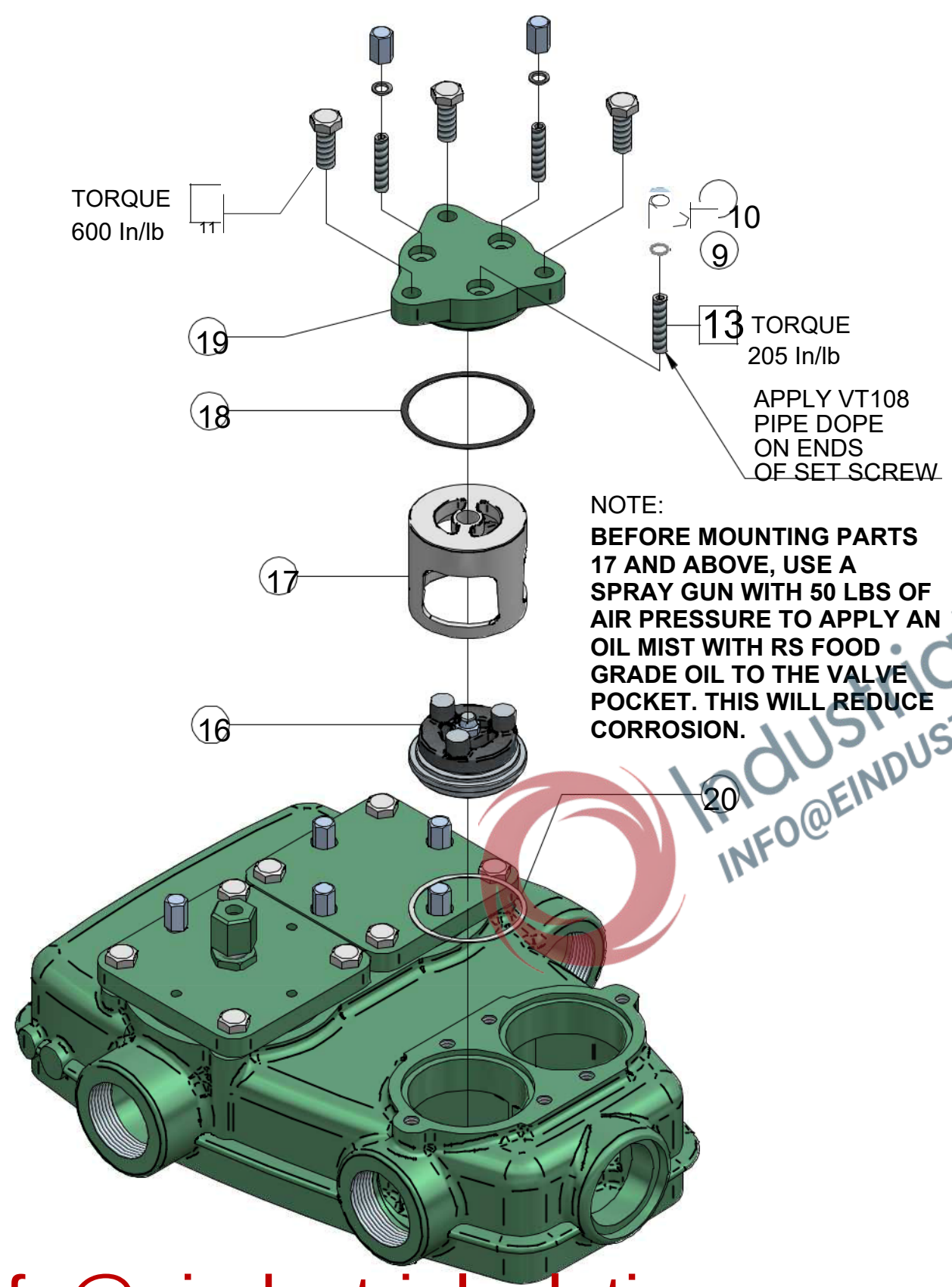
CYLINDER HEAD

STEP 9



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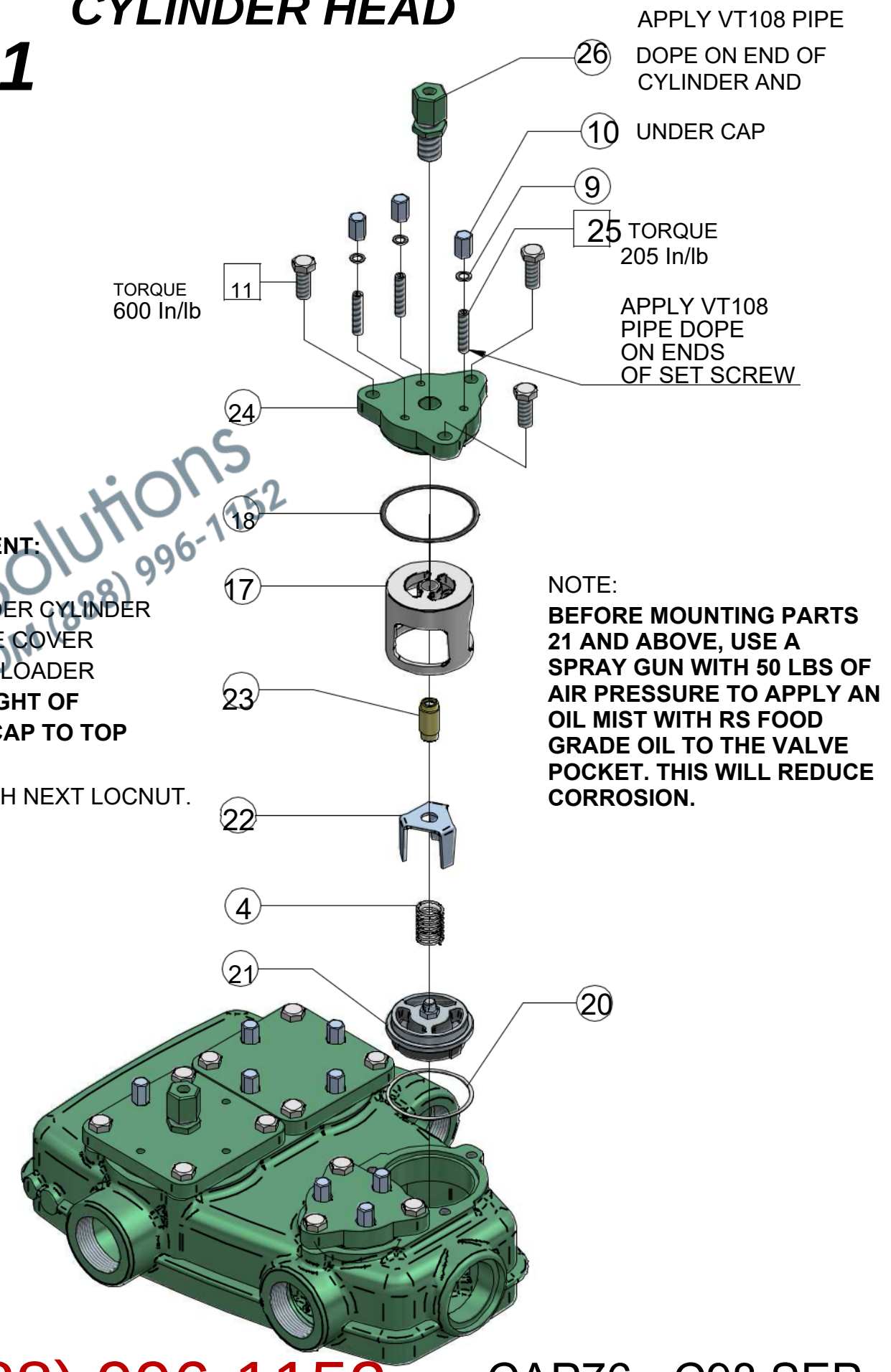
STEP 10 CYLINDER HEAD



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STEP 11 CYLINDER HEAD

UNLOADER ADJUSTMENT:
HPSV - SCREW UNLOADER CYLINDER ASSEMBLY INTO VALVE COVER PLATE BY TURNING UNLOADER CYLINDER CAP TO HEIGHT OF 1 9/16" FROM TOP OF CAP TO TOP OF VALVE PLATE. TIGHTEN IN PLACE WITH NEXT LOCNUT.

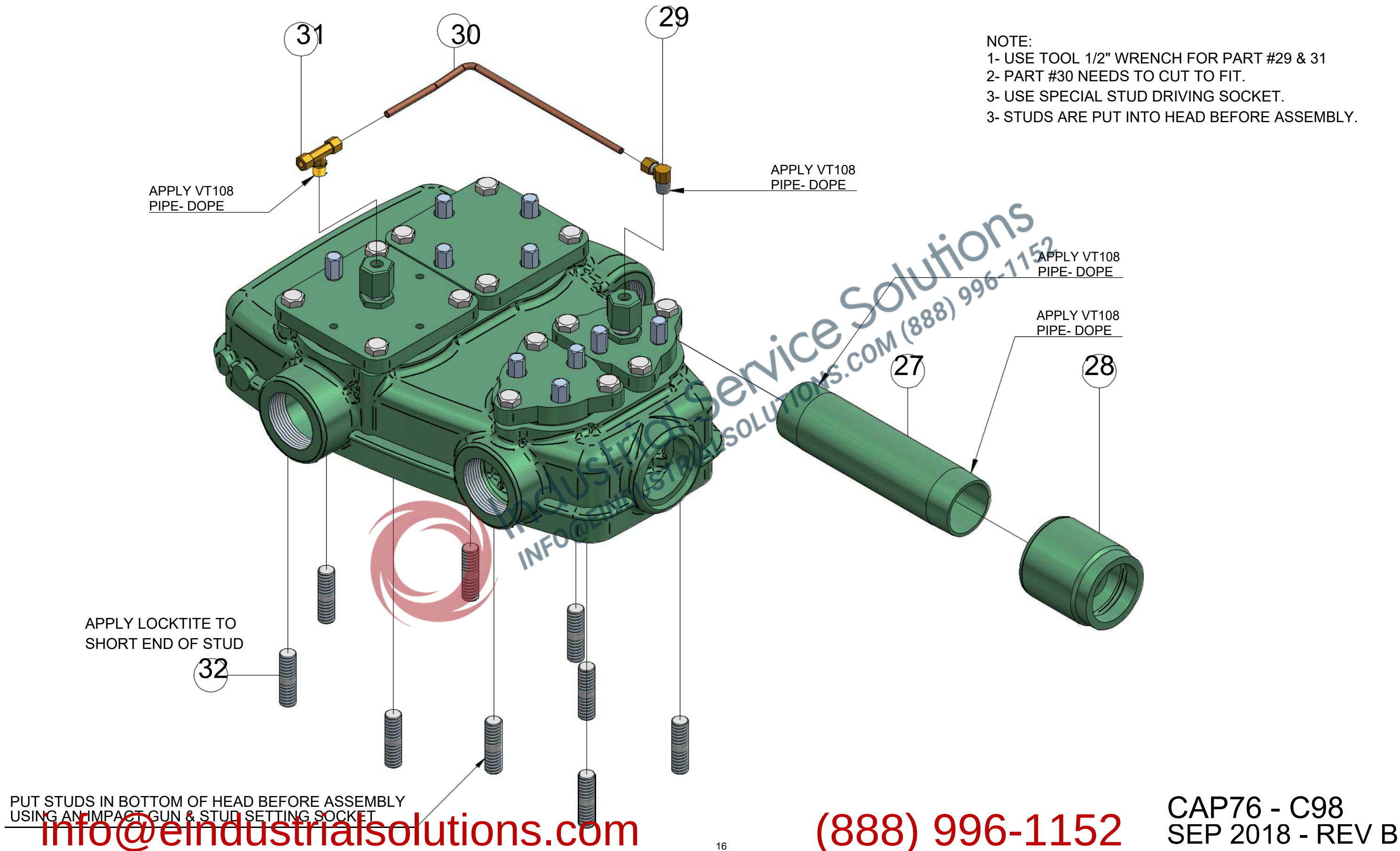


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STEP 12

CYLINDER HEAD



CYLINDER HEAD PARTS LIST

PARTS LIST - CYLINDER HEAD					PARTS LIST - CYLINDER HEAD				
ITEM NO	DESCRIPTION	Q	PART NUMBER	NOTES	ITEM NO	DESCRIPTION	Q	PART NUMBER	NOTES
1	CYLINDER HEAD, LOT C9856	1	FCMA613W		17	SPACER-HIGH PRESSURE	2	FCMA730	
2	GASKET, L.P. VALVE	2	FCDB1304		18	GASKET-VALVE PLATE-H.P.	2	FCM656	
3	LP SUCTION VALVE	1	FCDB1317-P	*IN KIT FSK-C98LPSV	19	HP DISCHARGE VALVE COVER PLATE	1	2601039630	
4	SPRING 0.08 DIA X 1 3/8 X 1"OD	2	FCA29948		20	GASKET, H.P. VALVE ALUMINUM	2	FCDB1305	
5	UNLOADER FORK ASSEMBLY	1	FCBB931		21	HP SUCTION VALVE	1	FCMA607-P	*IN KIT FSK-C98HPSV
6	SPACER - LOW PRESSURE	2	2601039570		22	FORK-UNLOADING-H.P.S.V.	1	FCBB920	
7	LP VALVE COVER PLATE GASKET	2	FCM657		23	BUFFER ASSEMBLY-UNLOADER OVERTRAVEL	1	FCBB921	
8	LPSV COVERPLATE	1	2601039550		24	HIGH PRESURE SUCTION VALVE COVER PLATE	1	2601039600	
9	WASHER ALUMINUM 9/16	14	FVH1232		25	SCREW - SET HEX HEAD, CUP PT 3/8 X 1 3/4"LG	3	FVH08KN	
10	NUT-STUD	14	FRK2063		26	CYLINDER ASSEMBLY/UNLOADER H.P.S.V.	1	FCBB926	SEE STEP #5
11	HHCS 1/2-13UNC X 1.325	14	FVH12PL		27	NIPPLE-BLACK 2 X 8 5/8 T B E SEAMLESS	1	FCM614	
12	L P S V UNLOADER CYLINDER ASSM	1	FCBB959	SEE STEP #2	28	MANIFOLD CONNECTION	1	2601494160	
13	SCREW-3/8 X 1.75 HEX.-SOC. HEAD	11	FVH08KP		29	COMP MALE ELBOW90 1/4NPT X 1/4 OD BRASS	1	FVA15BCE	
14	PLATE - LPDV COVER	1	2601039590		30	TUBE, COPPER UNLOADER	1	FCBA996	
15	LP DISCHARGE VALVE	1	FCDB1318-P	*IN KIT FSK-C98LPDV	31	COMPRESSION RUN TEE, 1/4 OD X 1/8NPT	1	FVA729	
16	HP DISCHARGE VALVE	1	FCDB1320-P	*IN KIT FSK-C98HPDV	32	STUD-CYLINDER HEAD	9	FCMA652	

* Item Not Available For Individual Sale