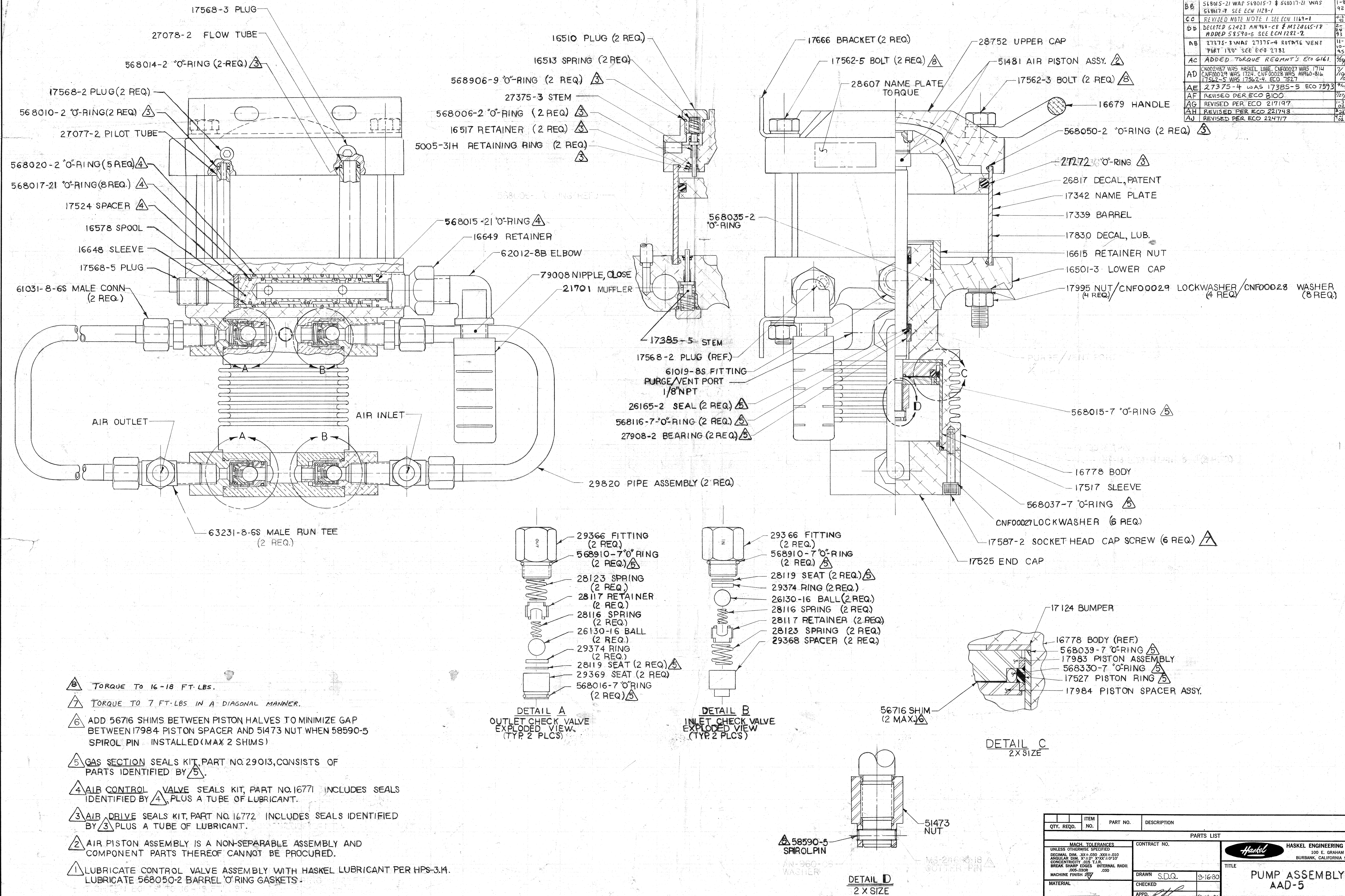


THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN. ALL RIGHTS FOR REPRODUCTION, MANUFACTURING, OR PATENTS ARE RESERVED BY THE HASKEL ENGINEERING & SUPPLY CO.

17711

AK REVISED PER ECO 230236
AL REVISED PER ECO 235451
AM REVISED PER ECO 30673

REVISIONS				
LTR.	DESCRIPTION	DATE	BY	APPD.
R	REDRAWN FOR CLARITY	9/24/82	4	SQ.
S	5144-15H RETAINER RING WAS 5131-15H	9/24/82	4	JEB
T	5144-15H RET. RING(2) WAS REPLACED BY M3-24665-18 CUTTER PIN. 52423 RET. PIN WAS 17093 PIN. 17385-1 STEM WAS 27375-5	9/24/82	4	JEB
U	568006-2 O RING(13) WAS(2) ADDED 568006-2 REF	9/24/82	4	JEB
V	ADDED DETAIL D' & AN-960-CB WASHER.	9/24/82	4	JEB
W	17385-5 STEM WAS 1783-1 STEM	9/24/82	4	JEB
Y	27375-1 STEM WAS 27375-3 STEM	9/24/82	4	JEB
AA	ADDED 56716 SHIM (2 MAX) & NOTE 6	9/24/82	2	JP
BB	568015-21 WAS 568015-7 & 568017-21 WAS 568017-7 SEE ECN 1128-1	9/24/82	1	JP
CC	REVISED NOTE NOTE 1 SEE ECN 1167-1	9/24/82	1	JP
DD	DELETED 52423 AN-960-CB & M3-24665-18 ADDED 58590-5 SEE ECN 1282-2	9/24/82	1	JP
AB	27375-3 WAS 27375-4 ROTATE VENT PART 180° SEE ECO 21781	11-10-85	3	JP
AC	ADDED TORQUE REQ. MNT'S ECO 6161	7/24/86	3	WLF
AD	EN002487 WAS HASKEL LIBE. CNF00027 WAS 1714 CNF00029 WAS 1724. CNF00028 WAS H160-816 17342-5 WAS 17342-4. ECO 1557	7/24/86	3	PS
AE	27375-4 WAS 17385-5 ECO 1593	9/24/86	3	JP
AF	REVISED PER ECO 8100	7/24/86	3	JP
AG	REVISED PER ECO 217197	1-3-87	3	JP
AH	REVISED PER ECO 221793	9/24/87	3	JP
AJ	REVISED PER ECO 224717	9/24/87	3	JP



- △ TORQUE TO 16-18 FT.-LBS.
- △ TORQUE TO 7 FT.-LBS. IN A DIAGONAL MANNER.
- 6 ADD 56716 SHIMS BETWEEN PISTON HALVES TO MINIMIZE GAP BETWEEN 17984 PISTON SPACER AND 51473 NUT WHEN 58590-5 SPIROL PIN INSTALLED (MAX 2 SHIMS)
- 5 GAS SECTION SEALS KIT, PART NO. 29013, CONSISTS OF PARTS IDENTIFIED BY 5.
- 4 AIR CONTROL VALVE SEALS KIT, PART NO. 16771 INCLUDES SEALS IDENTIFIED BY 4, PLUS A TUBE OF LUBRICANT.
- 3 AIR DRIVE SEALS KIT, PART NO. 16772 INCLUDES SEALS IDENTIFIED BY 3, PLUS A TUBE OF LUBRICANT.
- 2 AIR PISTON ASSEMBLY IS A NON-SEPARABLE ASSEMBLY AND COMPONENT PARTS THEREOF CANNOT BE PROCURED.
- 1 LUBRICATE CONTROL VALVE ASSEMBLY WITH HASKEL LUBRICANT PER HPS-3.14. LUBRICATE 568050-2 BARREL O-RING GASKETS.

NOTES:

QTY.	REQD.	ITEM NO.	PART NO.	DESCRIPTION
PARTS LIST				
MACH. TOLERANCES				
UNLESS OTHERWISE SPECIFIED				
DECIMAL DIM. .25/.001 .001/.010				
ANGULAR DIM. .5°/.1° .1°/.5°				
CONCENTRICITY .005 TIR				
BREAK SHARP EDGES INTERNAL RADIUS .005-.006				
MACHINE FINISH 250				
MATERIAL		DRAWN S.D.Q.		9-16-80
TREATMENT		CHECKED		
FINISH		APPD.		9-16-80
CONTRACT NO.		HASKEL ENGINEERING & SUPPLY CO. 100 E. GRAHAM PLACE BURBANK, CALIFORNIA 91502 - U.S.A.		
TITLE		PUMP ASSEMBLY AAD-5		
SIZE		CODE IDENT. NO.	DWG. NO.	
E		81400	17711	
SCALE 1/1		WT.		
		SHEET 1 OF 1		