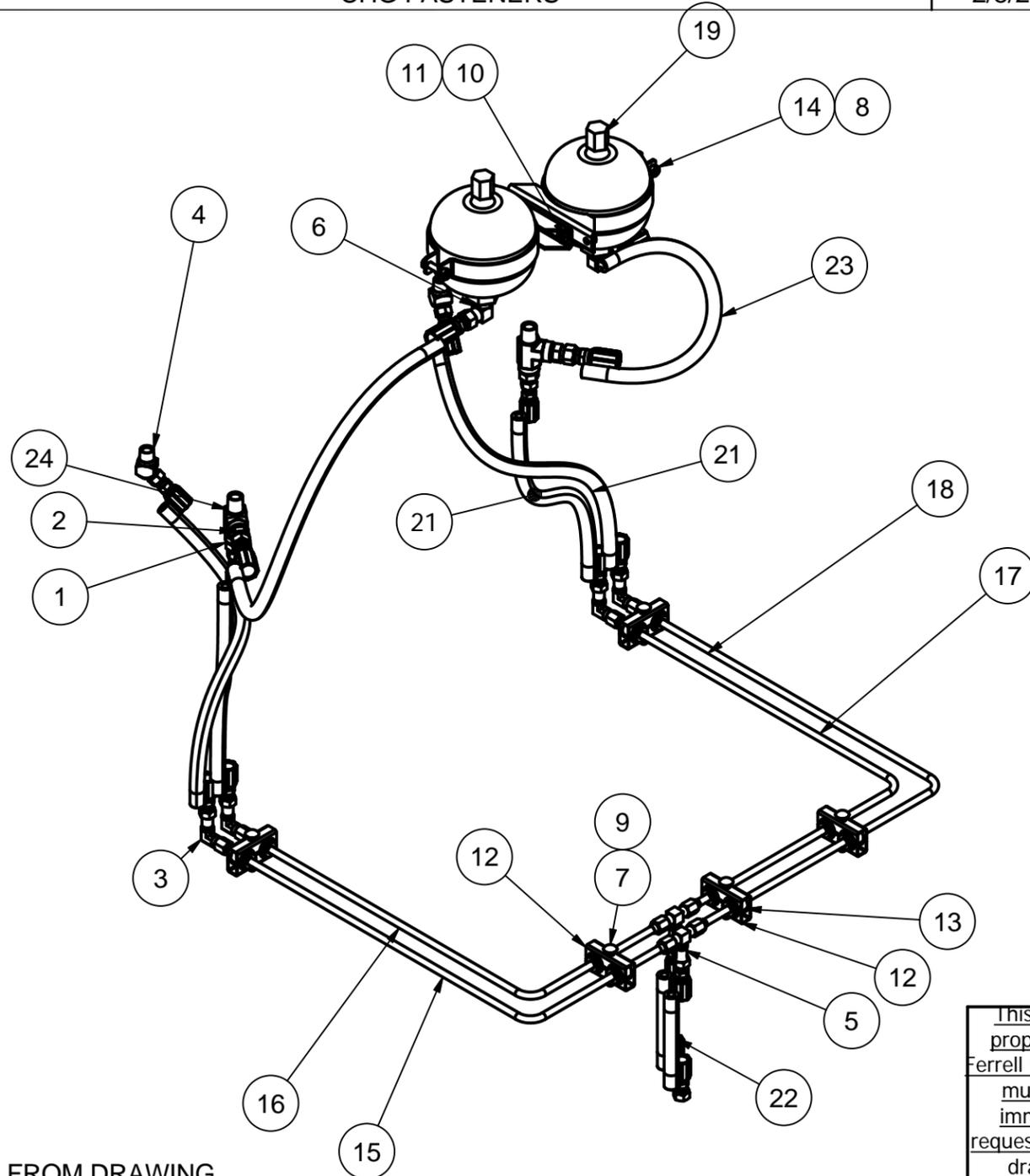


REVISION HISTORY

REV	LTR	DESCRIPTION	DATE	APPROVED
A	K060147	RELEASED	1/15/2007	AJGAGER
B	K060147	ADDED NOTES	1/26/2007	AJGAGER
C	K070020	CHG FASTENERS	2/5/2007	AJGAGER



ITEM	PART NUMBER	QTY	DESCRIPTION
24	K909-28801	2	TEE, .50" 5602-8-8-8
23	K909-20610	2	HOSE , HYDR, 31" X 1/2"
22	K909-20101	2	HOSE , HYDR, 120" X 3/8"
21	K909-18701	2	HOSE , HYDR, 22" X 3/8"
20	K909-18601	2	HOSE , HYDR, 16" X 3/8"
19	K909-01701	2	ACC, BLADDER OIL SVC 3K PSI 1 QT 1/2-14 NPT
18	K200-07454	1	HYDRAULIC TUBING, LH OUTSIDE, DL DRV, 18 X 12"
17	K200-07453	1	HYDRAULIC TUBING, LH INSIDE, DL DRV, 18 X 12"
16	K200-07452	1	HYDRAULIC TUBING, RH INSIDE, DL DRV, 18 X 12"
15	K200-07451	1	HYDRAULIC TUBING, RH OUTSIDE , DL DRV, 18 X 12"
14	K200-00078	2	BRACKET, ACCUMULATOR 5.50"
13	80000510	10	BSHG, SPLIT RBBR .38 X .88 X 1.25"
12	70001017	10	CLAMP, HYD TBG 1.50" HC-10-2
11	67123800	4	WASHER, LOCK HELICAL 18-8 SS 5/16"
10	67063800	4	NUT, HEX 18-8 SS, 5/16-18
9	66783800	5	NUT, HEX SERR LOCK 5/16-18
8	62583826	2	HHCS, 5/16-18 X 1.25"
7	60283935	5	BOLT,CARR 5/16-18 X 2.25"
6	53065156	2	ELL, 90 M .50"X3/4-16 W/O-RING
5	53060006	2	TEE, BHD M .38" AC3209-6
4	53059036	2	ELL, 45 M .38X.50" AC4500-6-8
3	53057006	4	ELL, 90 M BULKHEAD .38" AC2209-6
2	53053041	2	ADAPTER, M .50X.50" AC1000-8-8
1	53053036	2	ADAPTER, M .38X.50" AC1000-6-8

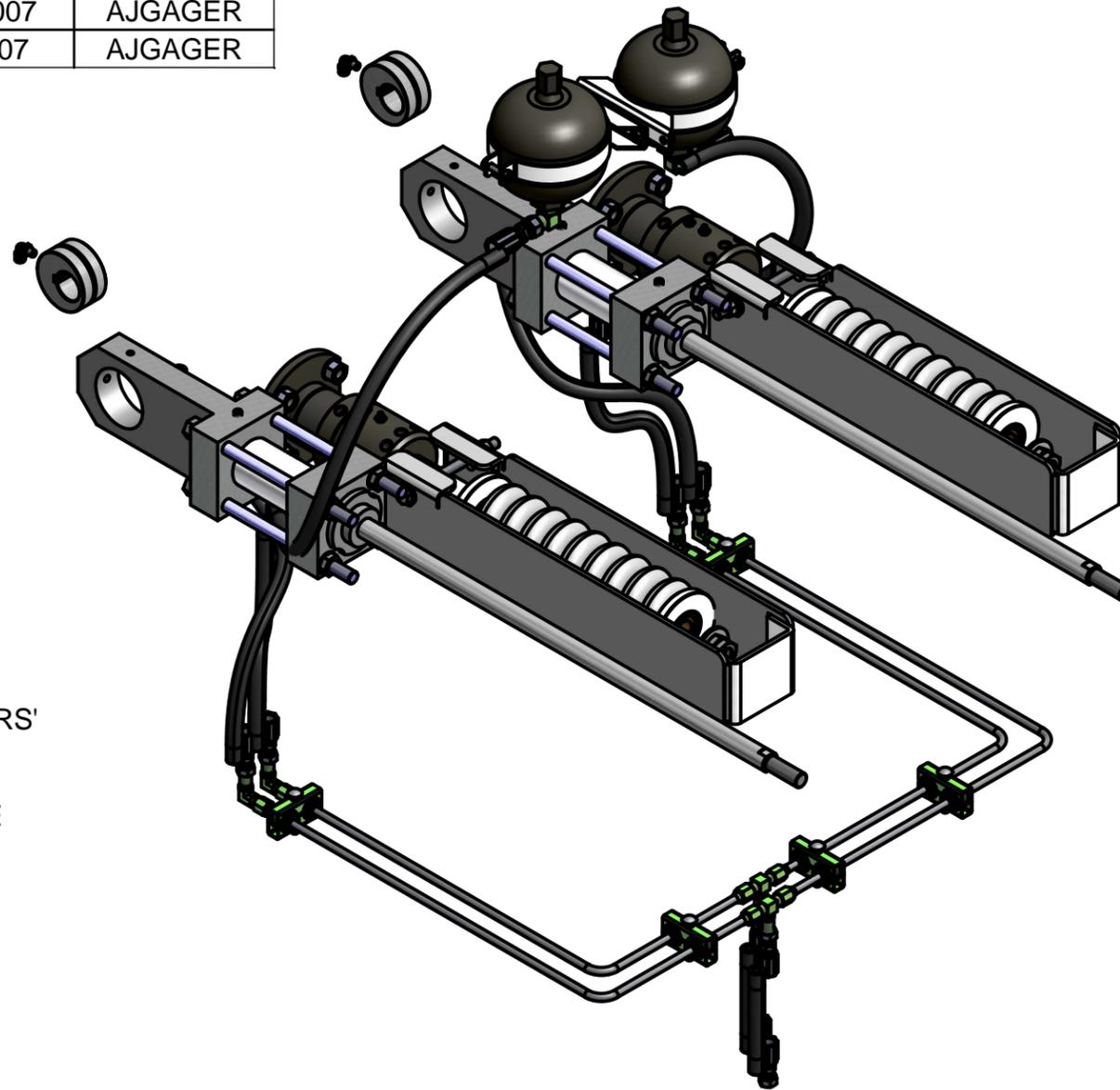
- NOTES:
- DO NOT SCALE FROM DRAWING.
  - ONE EACH REQ'D PER K000-00189 : ROLLER MILL ASSY, HYD DL DRV 18 X 12
  - APPLY PIPE TAPE TO ALL MALE FITTINGS BEFORE ASSEMBLY.
  - 66105700: NUT, HEX JAM 9/16-18, INCLUDED WITH FITTINGS 53057006 & 53060006.
  - NITROGEN PRECHARGE ACCUMULATORS TO 400 PSI / 28.1 kg/sq cm.
  - ALTERNATIVE UNITS [X.X] IN MILLIMETERS.

This drawing is the property of the A.T. Ferrell Company, Inc and must be returned immediately upon request. No part of this drawing may be reproduced, stored in a retrieval system or transmitted in any form or by any means, without prior written consent of the A.T. Ferrell Company, Inc	E C F				DIVISION OF A. T. FERRELL COMPANY		BLUFFTON, INDIANA - USA		
	NO MANUAL CHANGES				SCALE: 1:8		DRAWN BY: ajgager		APPROVED BY: DMJ
	VQNGT CP E GU EXCEPT AS NOTED		FINISH: NONE		TITLE: HYDRAULIC ASSY, DUAL DRIVE, 18 X 12"				
	DECIMAL: xxx ± .005 xx ± .030		FRACTIONAL: ± 1/32		DATE: 1/9/2007		SIZE: B		PART NUMBER: K100-01178
ANGULAR: ± 1/2~				SHEET: 1 of 2					

K100-01178

REVISION HISTORY

REV	LTR	DESCRIPTION	DATE	APPROVED
A	K060147	RELEASED	1/15/2007	AJGAGER
B	K060147	ADDED NOTES	1/26/2007	AJGAGER
C	K070020	CHG FASTENERS	2/5/2007	AJGAGER



HYDRAULIC SYSTEM AIR BLEED PROCEDURE:

1. CLOSE ROLLS & LOOSEN AIR BLEED SCREW ON HYDRAULIC CYLINDERS' ROD END. DO NOT REMOVE SCREW, LOOSEN ONLY ENOUGH TO BREAK THE SEAL. TIGHTEN BLEED SCREW.
2. OPEN ROLLS & REPEAT #1 FOR HYDRAULIC CYLINDERS' HEAD END AIR BLEED SCREW.
3. REPEAT #1 & 2 UNTIL ALL AIR IS REMOVED FROM THE SYSTEM.

NOTES:

1. DO NOT SCALE FROM DRAWING.
2. ONE EACH REQ'D PER K000-00189 : ROLLER MILL ASSY, HYD DL DRV 18 X 12
3. APPLY PIPE TAPE TO ALL MALE FITTINGS BEFORE ASSEMBLY.
4. 66105700: NUT, HEX JAM 9/16-18, INCLUDED WITH FITTINGS 53057006 & 53060006.
5. NITROGEN PRECHARGE ACCUMULATORS TO 400 PSI / 28.1 kg/sq cm.
6. ALTERNATIVE UNITS [X.X] IN MILLIMETERS.

This drawing is the property of the A.T. Ferrell Company, Inc and must be returned immediately upon request. No part of this drawing may be reproduced, stored in a retrieval system or transmitted in any form or by any means, without prior written consent of the A.T. Ferrell Company, Inc	E C F				
	NO MANUAL CHANGES				
	VQ NGT CP B GU EXCEPT AS NOTED		DIVISION OF A. T. FERRELL COMPANY		
	DECIMAL: xxx ± .005 xx ± .030	FINISH: NONE	SCALE: 1:8	DRAWN BY: ajgager	APPROVED BY: DMJ
	FRACTIONAL: ± 1/32	TITLE: HYDRAULIC ASSY, DUAL DRIVE, 18 X 12"			
ANGULAR: ± 1/2~	DATE: 1/9/2007	SIZE: B	PART NUMBER: K100-01178	SHEET: 2 of 2	

K100-01178