

JABIRU ENGINE PARTS BOOK



Jabiru 4 Cylinder 2200cc Engine.

Jabiru Aircraft Pty Ltd ACN 010 910 077

PO Box 5792 Bundaberg

Australia 4670

Australia: Phone 07 4155 1778

International: Phone + 61 7 4155 1778

Email: info@jabiru.net.au

Fax: 07 4155 2669

Fax: + 61 7 4155 2669

Web: www.jabiru.net.au

Applicable for Jabiru 2200 Aircraft Engines equipped with roller cam followers.

S/No. 3596 onwards.

Engine Parts Book	Jabiru Aircraft Pty Ltd 
JEM2206-2	Jabiru 2200 Engines, S/No. 3596 On

Please fill in your engine and aircraft details for future reference.

Engine Serial #:

Aircraft Type:

Model:

Serial #:

Registration #:

Note:

1. Not all parts are illustrated
2. All efforts are made to ensure accuracy at the time of publication, if you find any discrepancies, or have any questions about the contents of this publication please contact Jabiru Aircraft Pty Ltd.
3. All quantities are per engine unless stated otherwise.

4. When ordering parts always quote engine serial number and any upgrades carried out on the engine, as well as item number, part number, description, page number and issue number. This complete information will ensure Jabiru Aircraft Pty Ltd supply the correct part.

Engine Parts Book	Jabiru Aircraft Pty Ltd 
JEM2206-2	Jabiru 2200 Engines, S/No. 3596 On

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Note: Refer to Installation Manual for details of parts used in engine installation.
Refer to Installation Manual for data & installation details on engine cooling ducts.



ITEM	PART No.	DESCRIPTION	QTY
1	4A691A0D-7	CRANKSHAFT 2.2L 3/8 FLYWHEEL SCREWS	1
2	4A621A0D-7	CRANKCASE LS 2.2L HOLLOW PUSHROD 7/16	1
3	4A622A0D-6	CRANKCASE RS 2.2L HOLLOW PUSHROD 7/16	1
4	PB9942N-1	THRUST BEARING	2
5	PB9942N	THRUST BEARING	2
6	PG0095N	BEARING SHELL SET	1
7	PG9872N	SEAL 55 x 72 x 8	1
8	4A545A0D-4	MACHINED CAMSHAFT 2.2L 268 DEG DURATION 109 DEG	1
9	4A603A0D-2	CTRS 28 BCD ROLLER FOLLOWER	10
10	BS112	DOWEL CRANK CASE 2.2L	15
11	PH9912N	ORING BS112	1
12	PH0646N	WELSH PLUG 28 DIA	1
13	4A595A0D-3	WELSH PLUG 7/8" DIA	4
14	4A594A0D-3	STUD LONG - BARREL 7/16	4
15	4A596A0D-4	STUD SHORT CRANKCASE FRONT 7/16	2
16	4956024-3	STUD LONG THRU 7/16	6
17	PH0555N	SEAL HOUSING FRONT 5/16 MOUNTING	1
18	PH4A062N	5/16" x 3/4" UNC CAP SCREW	4
19	AN960-716	12-POINT NUT (ARP) 7/16-20 UNF (300-8375)	16
20	PE4A022A0D-1	7/16" FLAT WASHER	2
21	4A618A0D-1	ROLLER HYDRAULIC LIFTER (HT-2270 LU CHOU)	8
22	PH4A056N	ROLLER FOLLOWER LOCKING PLATE / ORIENTATION GUIDE	4
23	4A625A0D-1	12-POINT NUT (ARP) 7/16-20 UNF FULL FLANGE (300-8303)	2
		THROUGH BOLT WASHERS - 7/16"x5/8" - HARDENED STEEL	16

APPLY ORANGE OR YELLOW TORQUE SEAL F900 BETWEEN BOLT & NUT, BETWEEN NUT AND WASHER AND BETWEEN WASHER AND CYLINDER (WASHER AND CASE FOR FRONT STUDS), NOMINAL BEAD 2 - 5mm.

OVERSIZE DOWELS AVAILABLE IF REQUIRED

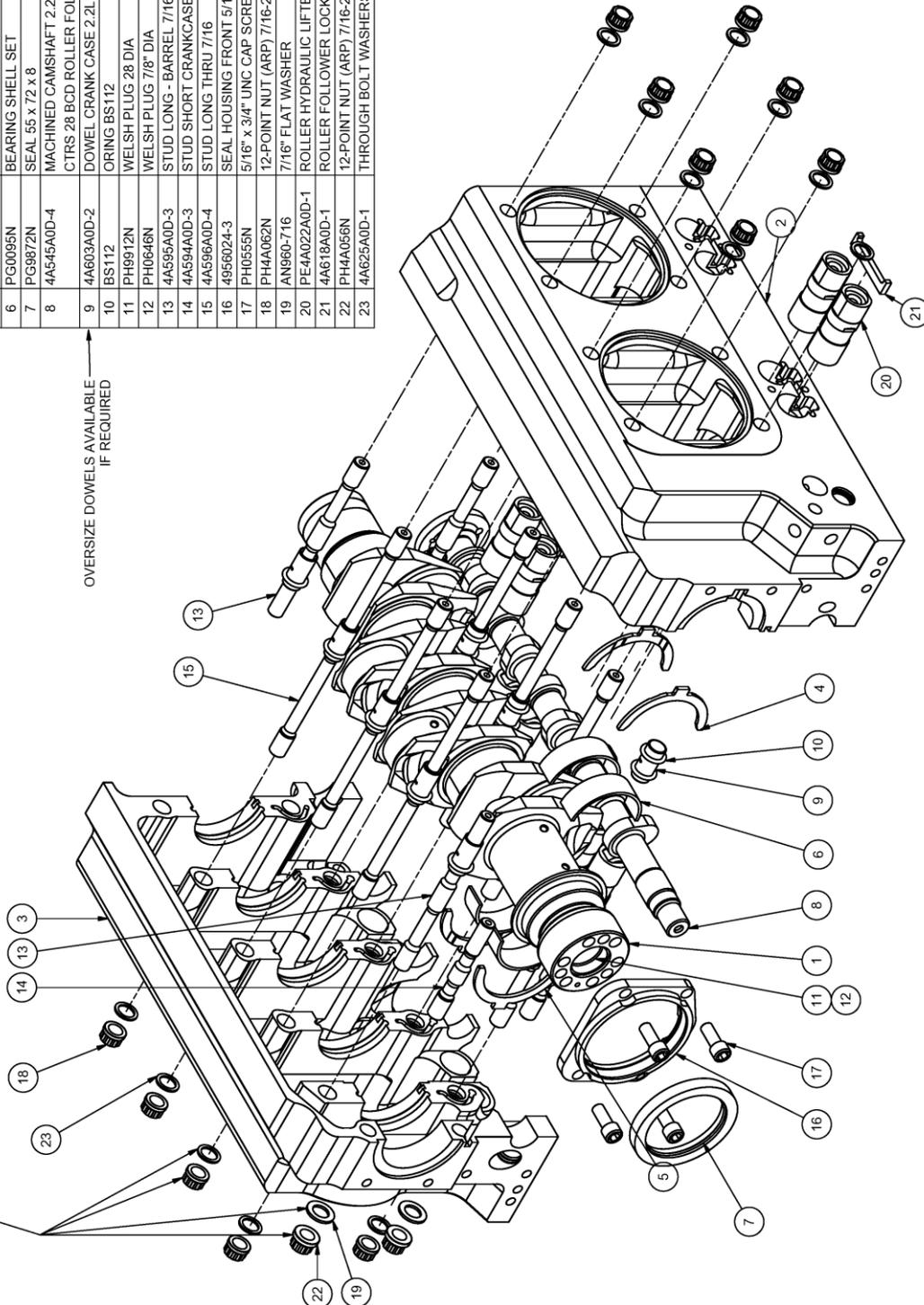


Figure 1 – Crankcase and Crank Assy

4A676A0D-2

2200 CRANKCASE P/BOOK ASSY 7/16 STUDS, ROLLER

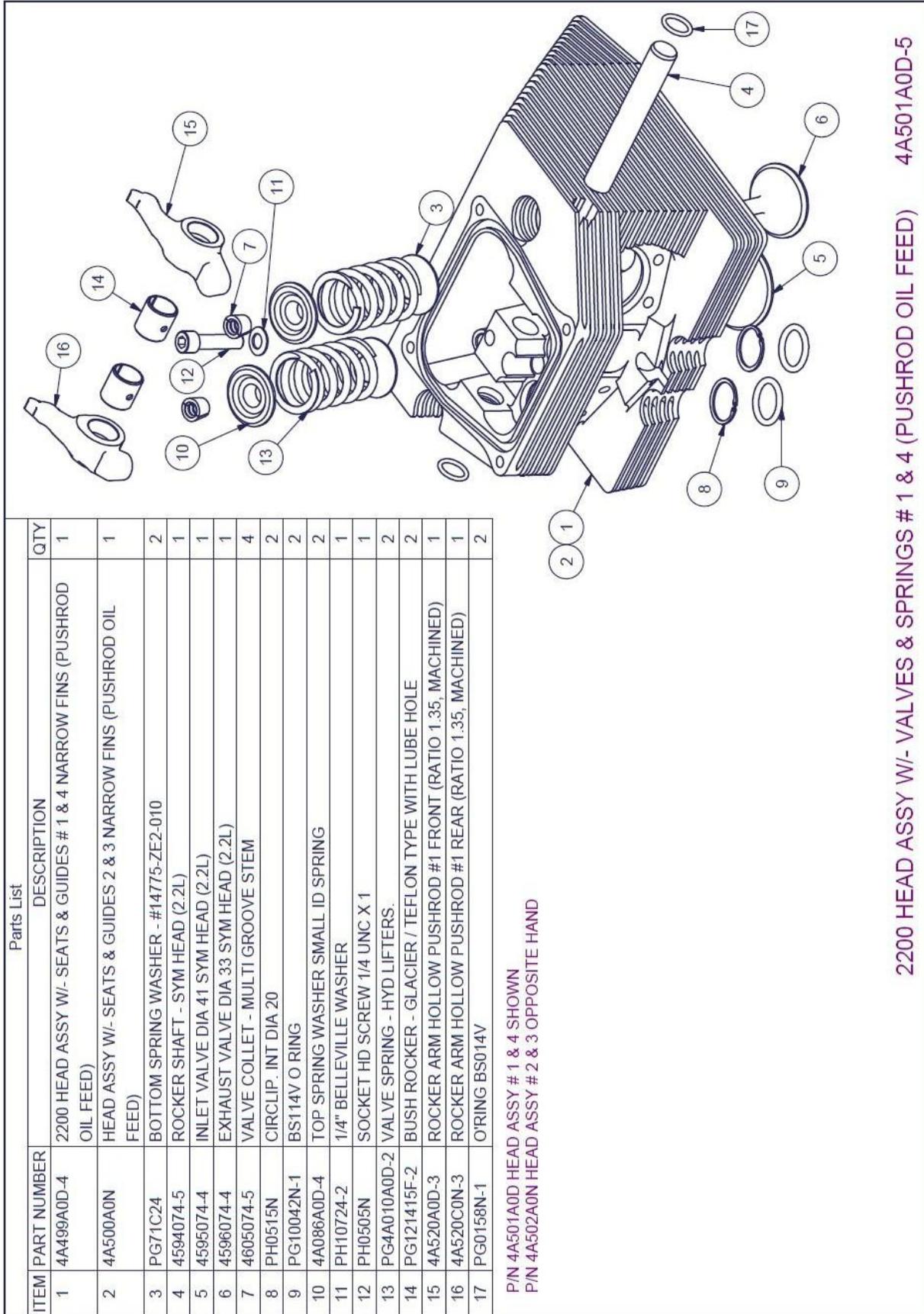
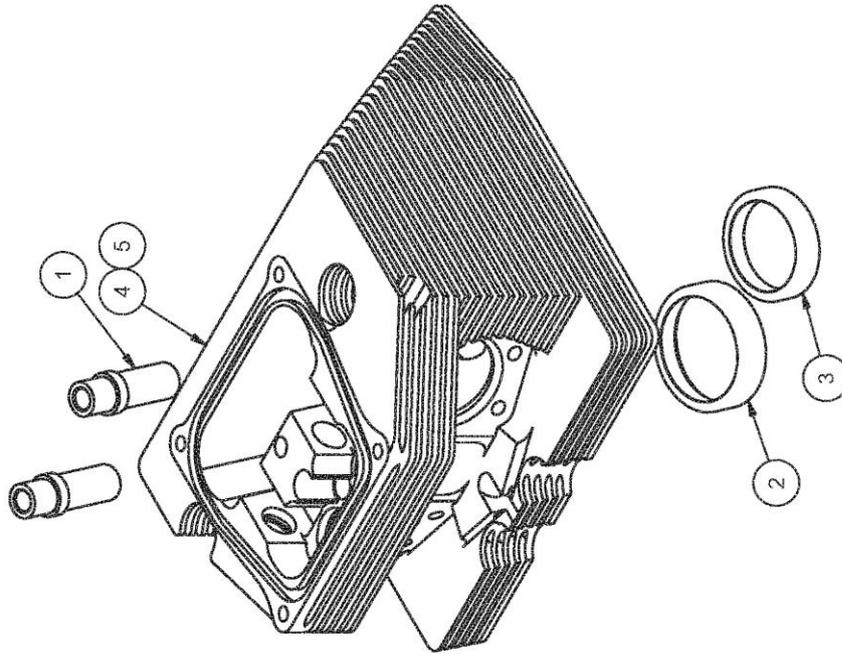


Figure 2 – Cylinder Head Assy



ITEM	PART No.	DESCRIPTION	QTY
1	4590074-15	VALVE GUIDE SYMMETRICAL HEAD (2.2L)	2
2	4797004-5	VALVE SEAT INSERT INLET W8201	1
3	4790004-6	VALVE SEAT INSERT EXHAUST	1
4	4A499B0D-5	HEAD MACHINED # 1 & 4 NARROW FINS (PUSHROD OIL FEED)	1
5	4A500B0N	HEAD NARROW FINS MACHINED #2 & 3 (PUSHROD OIL FEED)	1

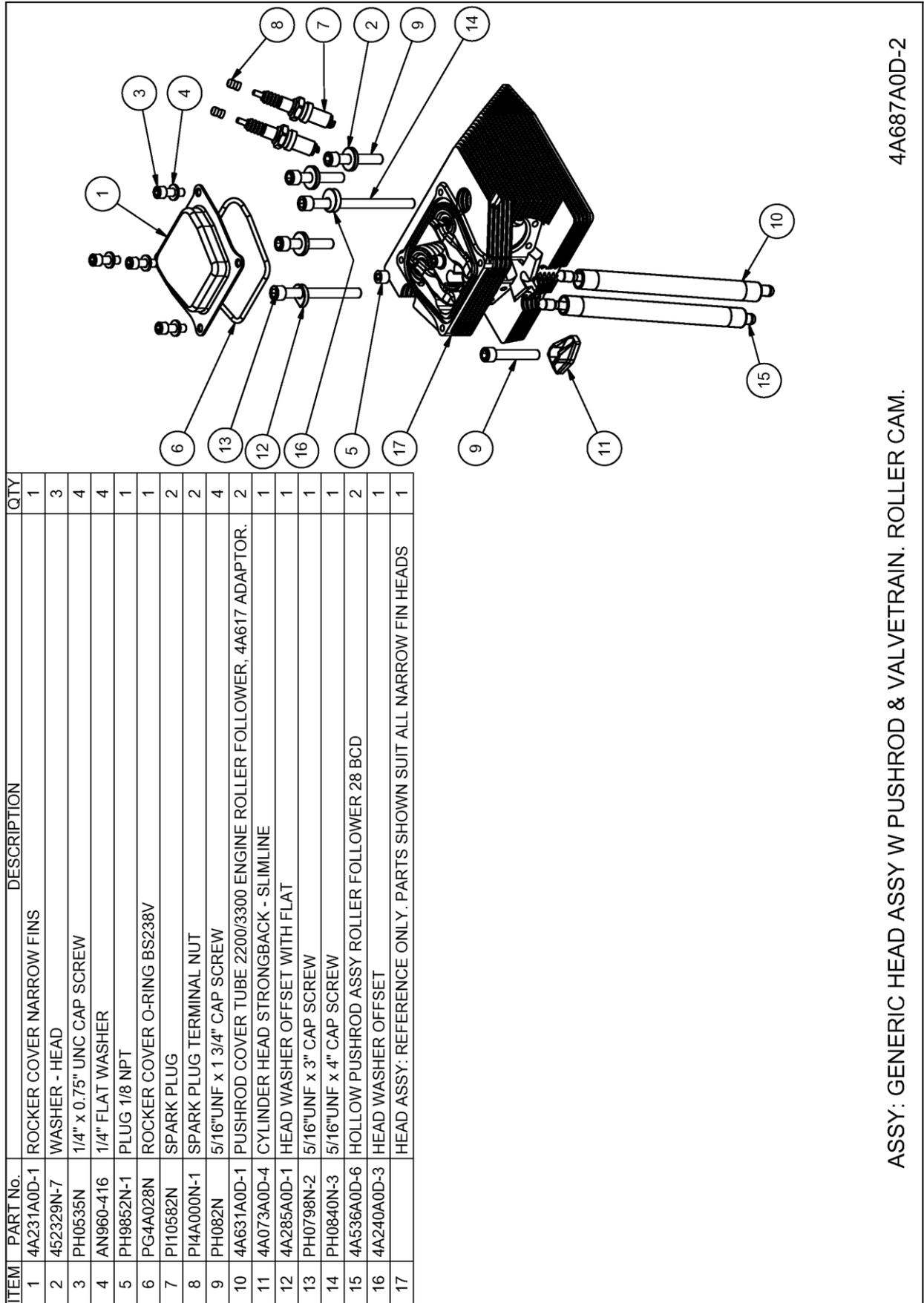
NOTE:
 HEAD ASSEMBLY AS SHOWN #1 & 4 P/N 4A499A0D
 HEAD ASSEMBLY OPPOSITE #2 & 3 P/N 4A500A0N



2200 HEAD ASSY W/- SEATS & GUIDES # 1 & 4 NARROW FINS (PUSHROD OIL FEED)

4A499A0D-5

Figure 3 – Head Assy Valve Guides & Seats



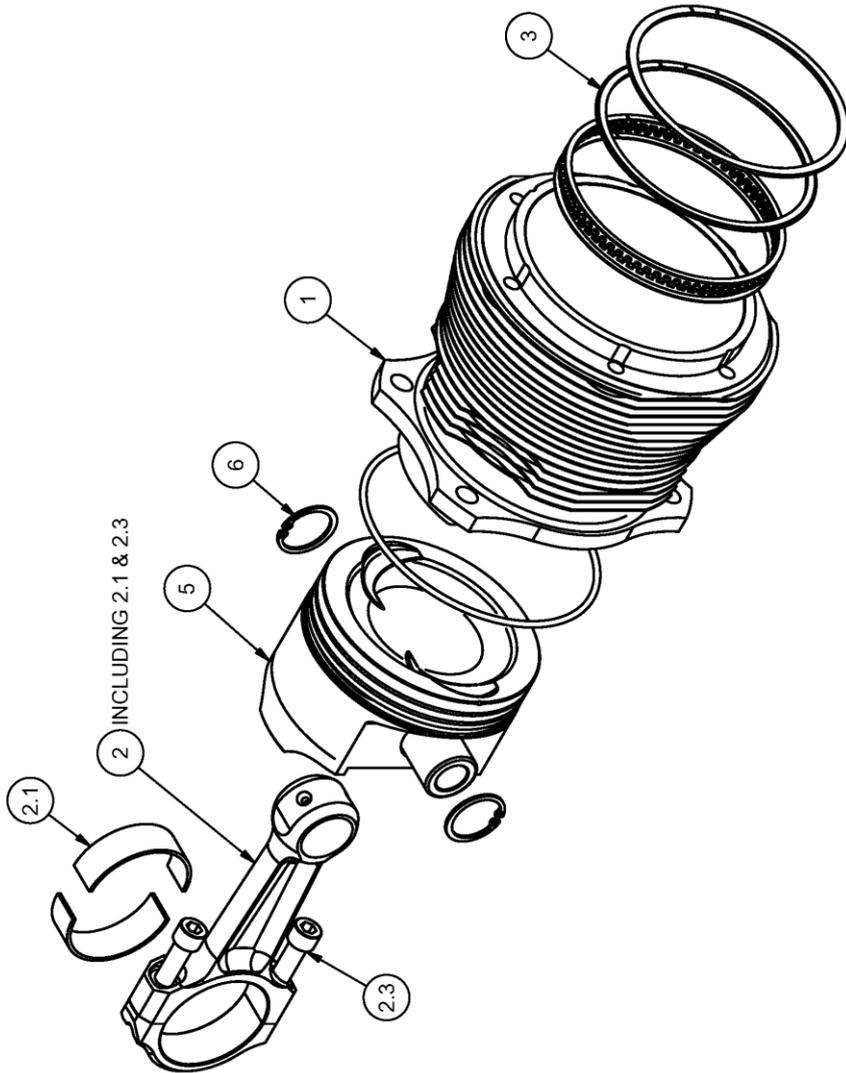
4A687A0D-2

ASSY: GENERIC HEAD ASSY W PUSHROD & VALVETRAIN. ROLLER CAM.

Figure 4 – Head Mounting & Pushrod Assy



Table 1 CYLINDER BARREL		ITEM	PART No.	DESCRIPTION	QTY
PART No.	DESCRIPTION	1	SEE TABLE 1	CYLINDER BARREL	1
4807002-20	CYLINDER BARREL 3/8 STUDS	2	4651084-5	CONROD ASSY STEEL	1
4A593A0D-7	CYLINDER BARREL 7/16 STUDS	2.1	PB4A006N-1	CONROD BEARING SHELL SINGLE (SET PB0055N)	2
		2.3	PH72E24-1	SOCKET HD SCREW 5/16 UNF X 1	2
Table 2 PISTON ASSEMBLY		3	PG0200N-1	RING SET SINGLE PISTON	1
PART No.	DESCRIPTION	4	PG0025N-1	BS155 O RING	1
4A680A0D-1	PISTON & GUDGEON ASSY WITH VALVE RELIEF RIGHT (#1, #3 & #5)	5	SEE TABLE 2	ASSY PISTON & GUDGEON FOR 25 DIA CIRCLIP	1
4A680A1N-1	PISTON & GUDGEON ASSY WITH VALVE RELIEF LEFT (#2, #4 & #6)	6	PH4A047N-1	CIRCLIP INT 25 DIA	2



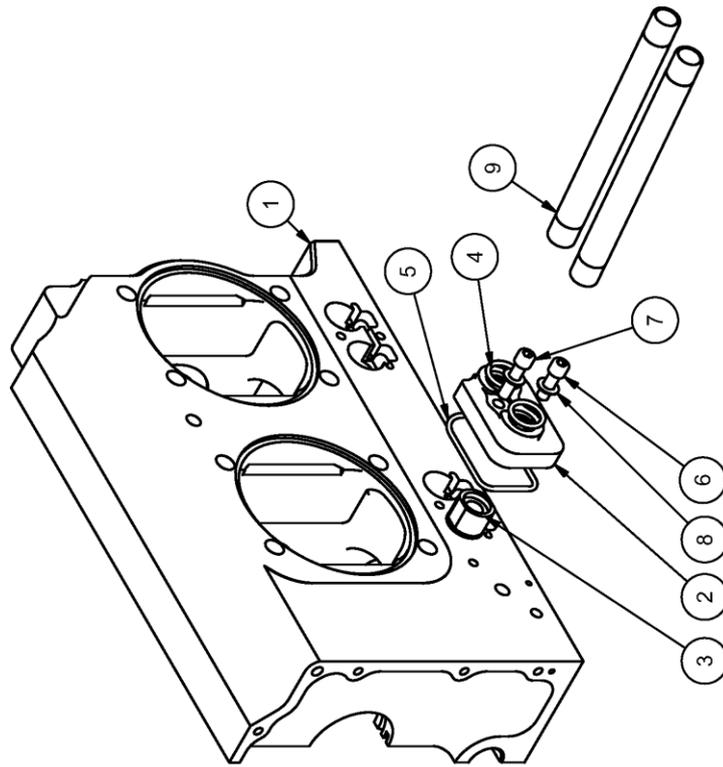
BARREL PISTON & CONROD ASSY 4A103A0D-5

Figure 5 – Barrel, Piston & Conrod Assy



ITEM	PART NUMBER	DESCRIPTION	QTY
1	REF ONLY	CRANKCASE 2200 RS (REF)	
2	4A617A0D-5	MANIFOLD ROCKER / PUSHROD OIL RETURN	1
3	REF	ROLLER HYDRAULIC LIFTER REF	
4	PG10042N	BS114V O RING	2
5	PG4A039N	O-RING, BS137	1
6	PH0535N	1/4" x 0.75" UNC CAP SCREW	1
7	PH0505N	1/4" x 1" UNC CAP SCREW	1
8	PH10724-2	1/4" BELLEVILLE WASHER	2
9	4A631A0D-1	PUSHROD COVER TUBE 2200/3300 ENGINE ROLLER FOLLOWER, 4A617 ADAPTOR.	2

QUANTITIES SHOWN FOR 1 CYLINDER



OIL RETURN MANIFOLD INSTALLATION ASSY P.BOOK 4A656A0D-2

Figure 6 – Oil Return Manifold Installation



ITEM	PART No.	DESCRIPTION	QTY	Part No.	Description	From S/No.	Up To S/No.
1	4332054-3	DISTRIBUTOR DRIVE SHAFT ASSY 2.2L	2	PG10612N	SEAL 50 I/D x 65 O/D x 8 WIDE	2200A- 3300A-	2200A- 3442 3300A- 2309
2	4631073-9	GEAR HOUSING REAR	1	PG4A037N	SEAL 52 I/D x 65 O/D x 8 WIDE	2200A- 3443 3300A- 2310	2200A- 3300A-
3	SEE TABLE	SEAL 50 OR 52 DIAMETER	1				
4	4066123-8	GEAR CAMSHAFT INNER	1				
5	4333054-5	DISTRIBUTOR DRIVE GEAR 2.2L	1				
6	4632074-8	SPACER DISTRIBUTOR MOUNTING 2.2L	2				
7	4334054-6	DISTRIBUTOR CAP MOUNT PLATE 2.2L	2				
8	PH0535N	SOCKET HD SCREW 1/4 UNC X 3/4	3				
9	PH0595N	SOCKET HD SCREW 1/4 UNC X 1 1/2	4				
10	PH0605N	SOCKET HD SCREW 1/4 UNC X 1 3/4	10				
11	4096124-5	CLAMP DISTRIBUTOR CAP	4				
12	PH72B24	SOCKET HD SCREW 10-32 X 1 1/4	4				
13	AN4H5	BOLT AN4H5	4				
14	PH10632N	ROTOR BUTTON	2				
15	PH10642N	DISTRIBUTOR CAP	2				
16	PG10622N-1	SEAL DISTRIBUTOR SHAFT 15 X 24 X 7	2				
17	PH10724-2	1/4" BELLEVILLE WASHER	17				
18	4538064-4	SPACER CAM TIMING GEARS	1				
19	PH4A003N	3/16" BELLEVILLE WASHER	4				

TIMING & DISTRIBUTOR ASSEMBLY 4A099A0D-4

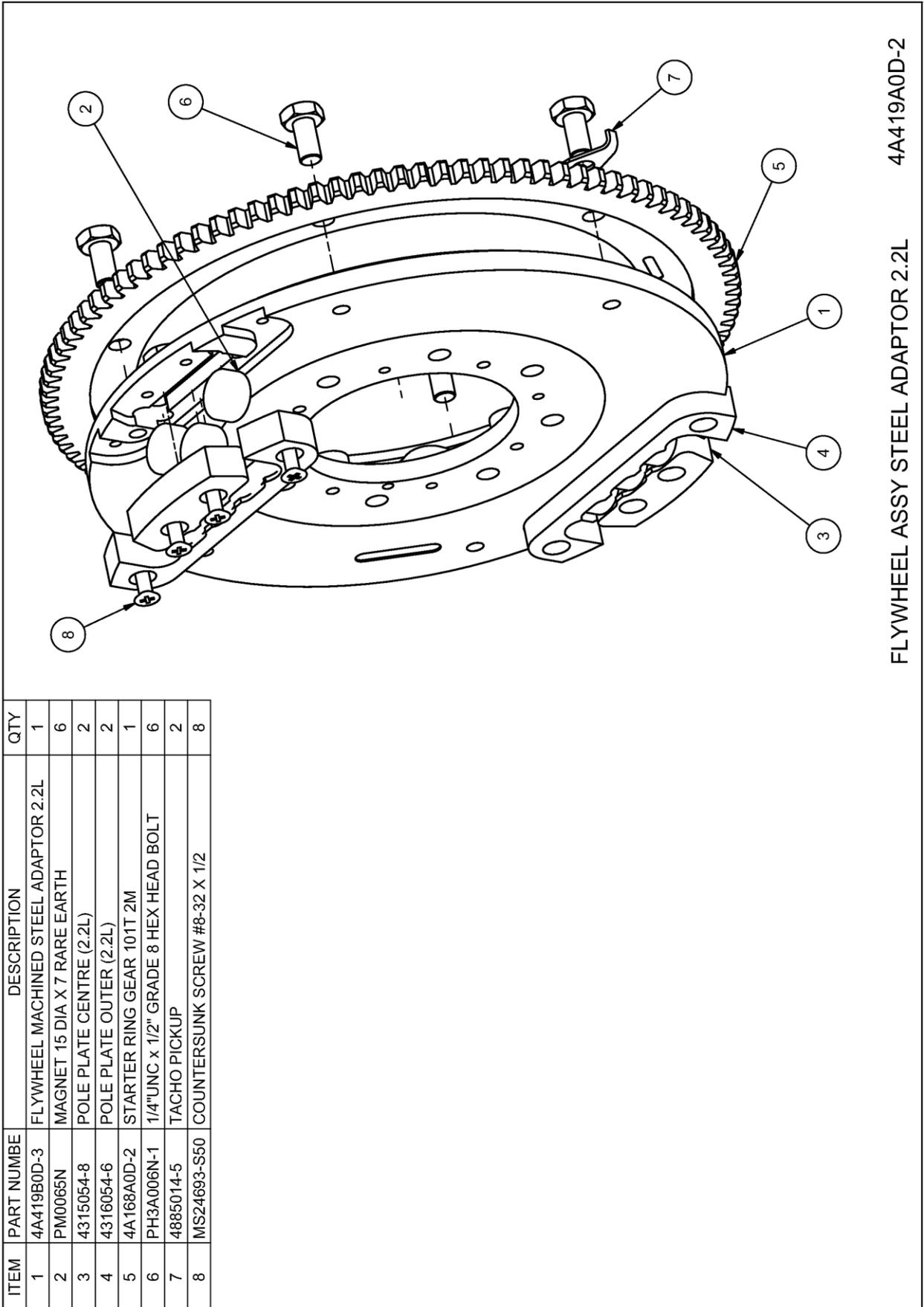
Figure 7 – Timing & Distributor Assy



ITEM	PART No.	DESCRIPTION	QTY	COIL TABLE	
				DESCRIPTION	IDENTIFICATION
1	4A419A0D-2	FLYWHEEL ASSY STEEL ADAPTOR 2.2L	1	HONDA COIL	GREY
2	4A223A0D-2	REAR PLATE ENGINE MOUNT 101T R/GEAR	1	HONDA COIL	BLACK
3	4323053-10	REAR PLATE ALTERNATOR MOUNTING	1	JABIRU TAI	BLACK
4	PG9862	ROLL PIN 5/32 X 3/8	8		
5	4368054-6	MOUNT BLOCK COIL & ALT MOUNT	4		
6	AN960-416	WASHER	8		
7	AN4-37A	BOLT	4		
8	PH4A004-1	FIBRE WASHER - IGNITION COIL INSULATING	4		
9	SEE TABLE	IGNITION COIL	2		
10	PI11763N	TACHO PICKUP	1		
11	PH15434	1/4" x 1 1/4" UNC CAP SCREW	4		
12	MS35207-267	SCREW 10-32 X 1	4		
13	4808004-3	PIN REWORKED DISTRIBUTOR LUBRICATION	2		
14	PH10724-2	1/4" BELLEVILLE WASHER	4		
15	PH0329N-1	ROLL PIN, 1/8 x 1/2 LONG	4		
16	PH4A039N	BUTTON HD SCREW 10-24 X 5/8"	4		
17	PH4A003N	3/16" BELLEVILLE WASHER	4		
18	4A200A0D-4	POST TACHO PICKUP BOLTED THRU REAR PLATE	1		
19	AN960-516	WASHER	1		
20	PH0555N	SOCKET HD SCREW 5/16 UNC X 3/4	1		
21	4A420A0D-3	ALTERNATOR ASSY 12 MAGNETS STEEL ADAPTOR	1		
22	4665084-7	STATOR ASSY 12 POLE 3 PHASE	1		
23	4666084-7	SPACER STATOR MOUNTING 12 POLE	1		

FLYWHEEL & ALTERNATOR ASSY 2200 (STARFISH)		4A450A0D-3
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Figure 8 – Rear Plate & Flywheel Assy



FLYWHEEL ASSY STEEL ADAPTOR 2.2L 4A419A0D-2

ITEM	PART NUMBE	DESCRIPTION	QTY
1	4A419B0D-3	FLYWHEEL MACHINED STEEL ADAPTOR 2.2L	1
2	PM0065N	MAGNET 15 DIA X 7 RARE EARTH	6
3	4315054-8	POLE PLATE CENTRE (2.2L)	2
4	4316054-6	POLE PLATE OUTER (2.2L)	2
5	4A168A0D-2	STARTER RING GEAR 101T 2M	1
6	PH3A006N-1	1/4"UNC x 1/2" GRADE 8 HEX HEAD BOLT	6
7	4885014-5	TACHO PICKUP	2
8	MS24693-S50	COUNTERSUNK SCREW #8-32 X 1/2	8

Figure 9 – Flywheel Assy

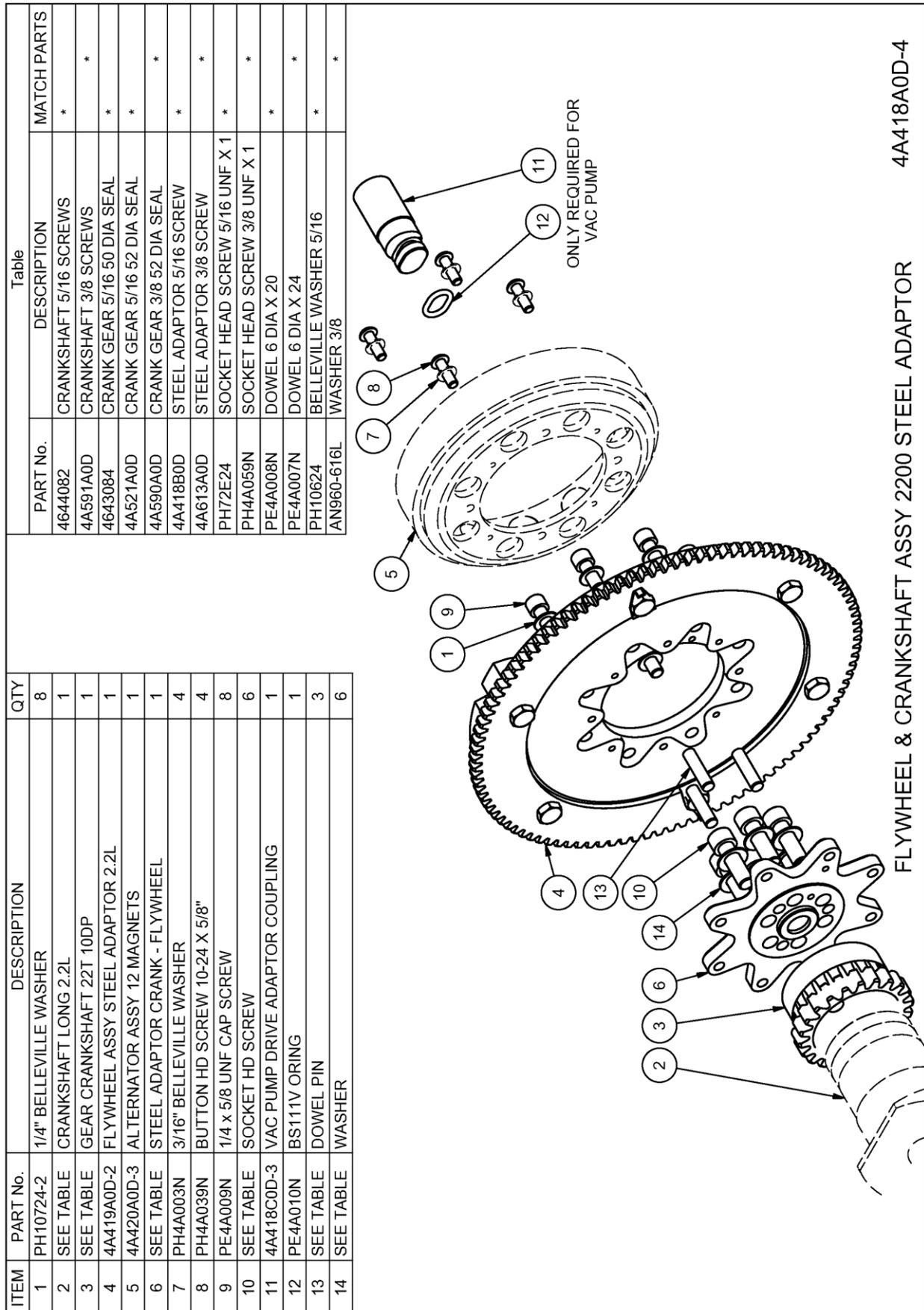
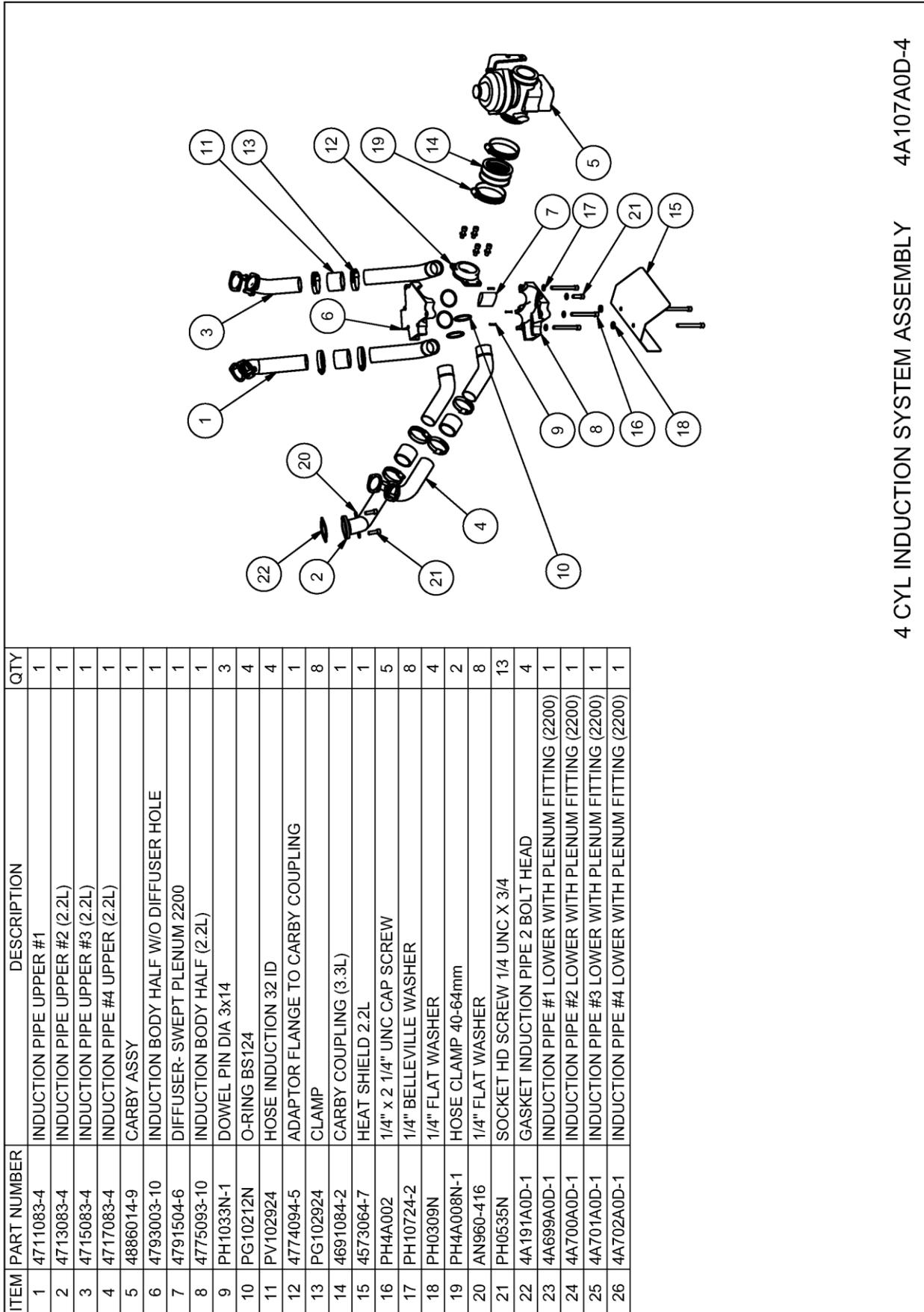


Figure 10 – Crankshaft to Flywheel Assy from S/N 2732



4 CYL INDUCTION SYSTEM ASSEMBLY 4A107A0D-4

Figure 11 – Induction System Assy

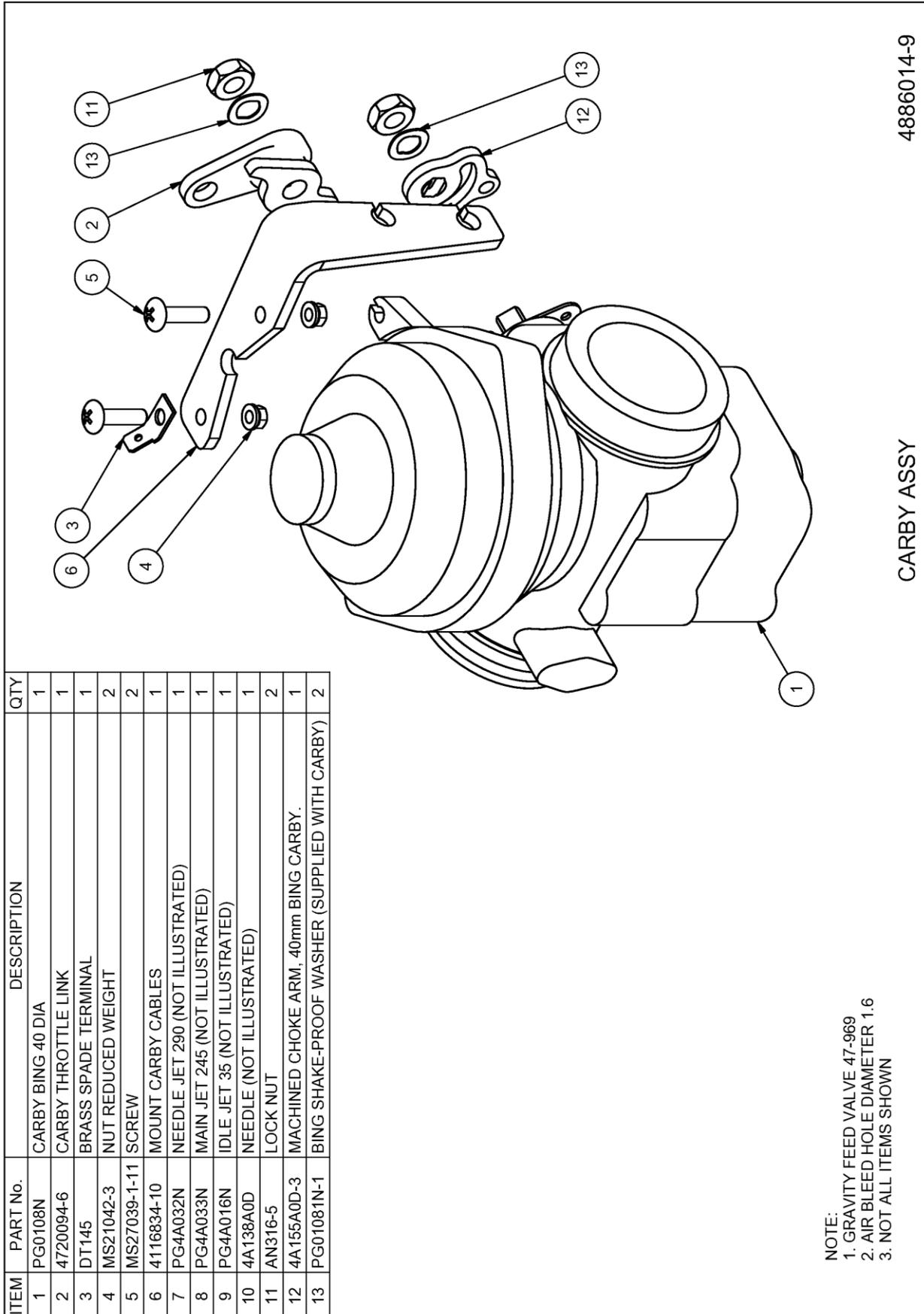


Figure 12 – Carburetor Assy



ITEM		PART NUMBER	DESCRIPTION	QTY	TABLE		
		Part No.	DESCRIPTION	Fron S/N	To S/N		
1		4796004-5	OIL PICKUP ASSY 2200	1	---	2552	
2		4377054-5	OIL PUMP HOUSING 14 W (2.2L)	1	---	2552	
3		437805N-11	OIL PUMP OUTER GEAR (14)	1	2553	-----	
4		PH0625N	5/16" UNC x 1 1/4" CAP SCREW	4			
5		PH115334-1	DRIVE - OIL PUMP 1/8" X 1/2"DIA WOODRUF	1			
6		437905N-12	OIL PUMP INNER GEAR (14)	1			
7		PG10042N-1	BS114V O RING	1			
8		SEE TABLE	OIL PICKUP TUBE	1			
9		4280044-13	BACK PLATE OIL PUMP	1			
10		PG10122N	O-RING BS143V	1			

OIL PUMP ASSY 2200

4A100A0D-2

Figure 13 - Oil Pump Assy

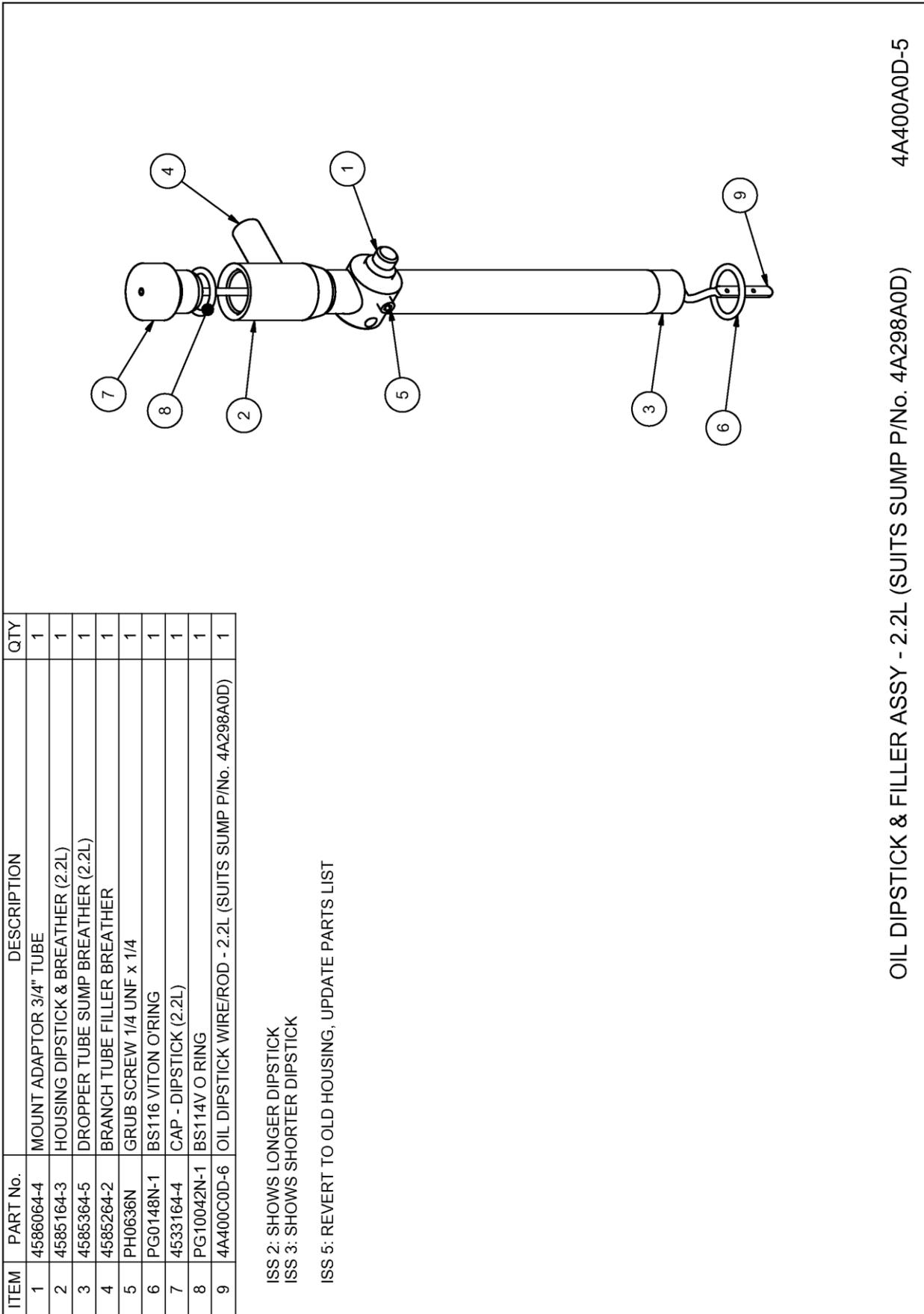


Figure 14 - Dipstick Assy



4A070A0D-1

PARTS BOOK ASSY - STARTER & CLUTCH ASSY

ITEM	PART NUMBER	DESCRIPTION	QTY
1	4A070B0N-1	STARTER ASSY	1
2	PM6352N	CLUTCH	1
3	4063224-5	BUSH OUTER	1
4	4372253-8	CLUTCH HOUSING	1
5	4063324-7	BUSH INNER	1

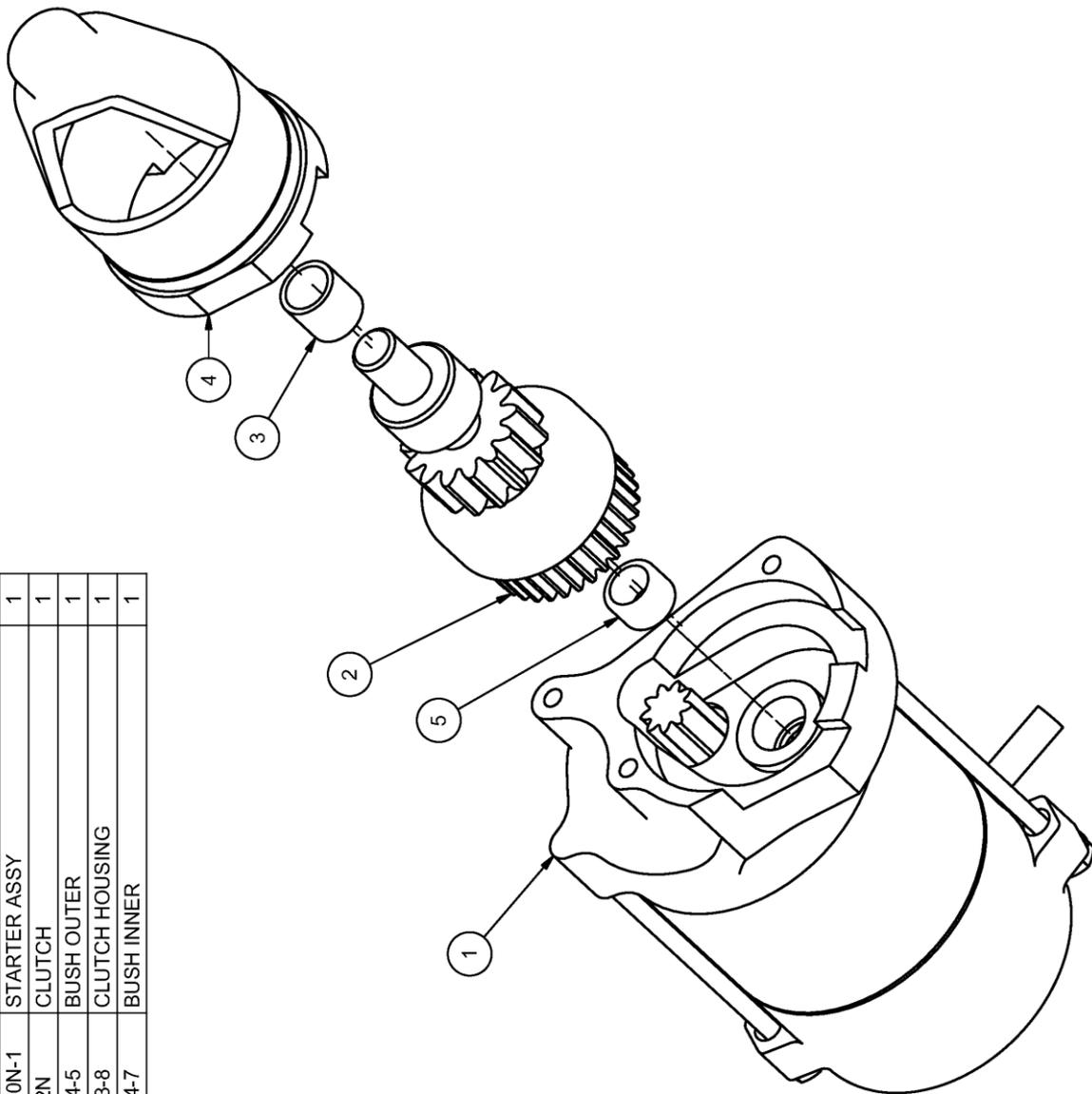
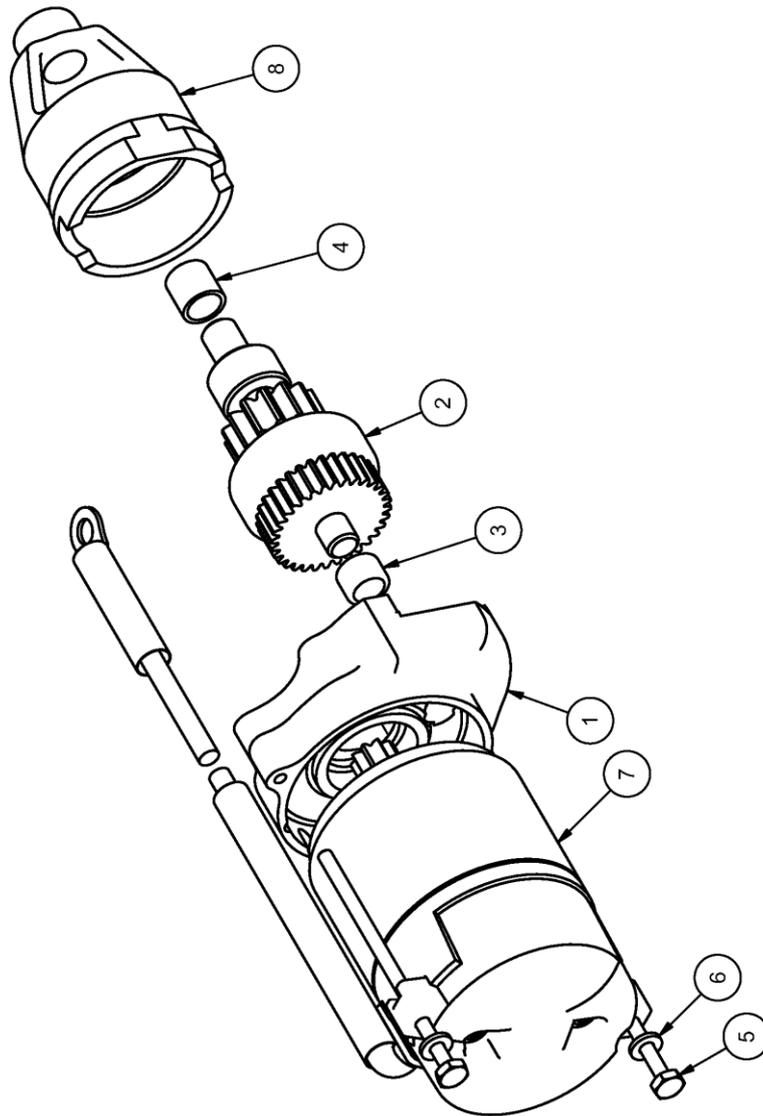


Figure 15 - Starter Assy



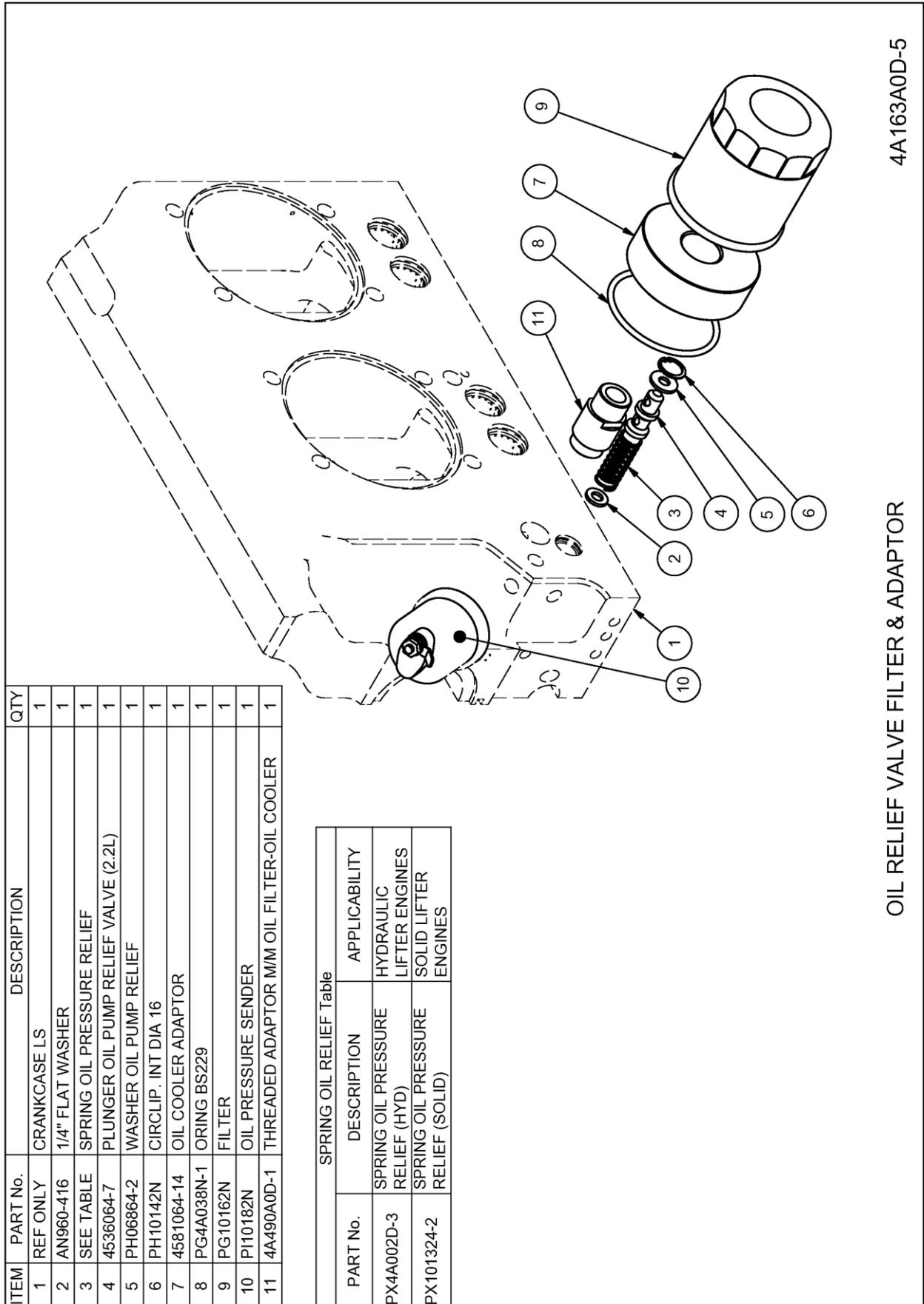
Parts List			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	4A516A0D-3	MACHINED CAST STARTER MOTOR HOUSING	1
2	PM6352N-2	CLUTCH	1
3	4063324-7	BUSH INNER	1
4	4063224-5	BUSH OUTER	1
5	AN3-37A	3/16" BOLT	2
6	AN960-10	3/16" FLAT WASHER	2
7	PM4A003D-1	STARTER MOTOR ST 20097CW (CHINA)	1
8	4A515A0D-2	MACHINED CAST STARTER CLUTCH HOUSING	1



4A661A0D-4

STARTER MOTOR ASSY

Figure 16 - Starter Assy Cast Housing



4A163A0D-5

OIL RELIEF VALVE FILTER & ADAPTOR

Figure 17 - Oil Relief Valve, Filter & Adapter

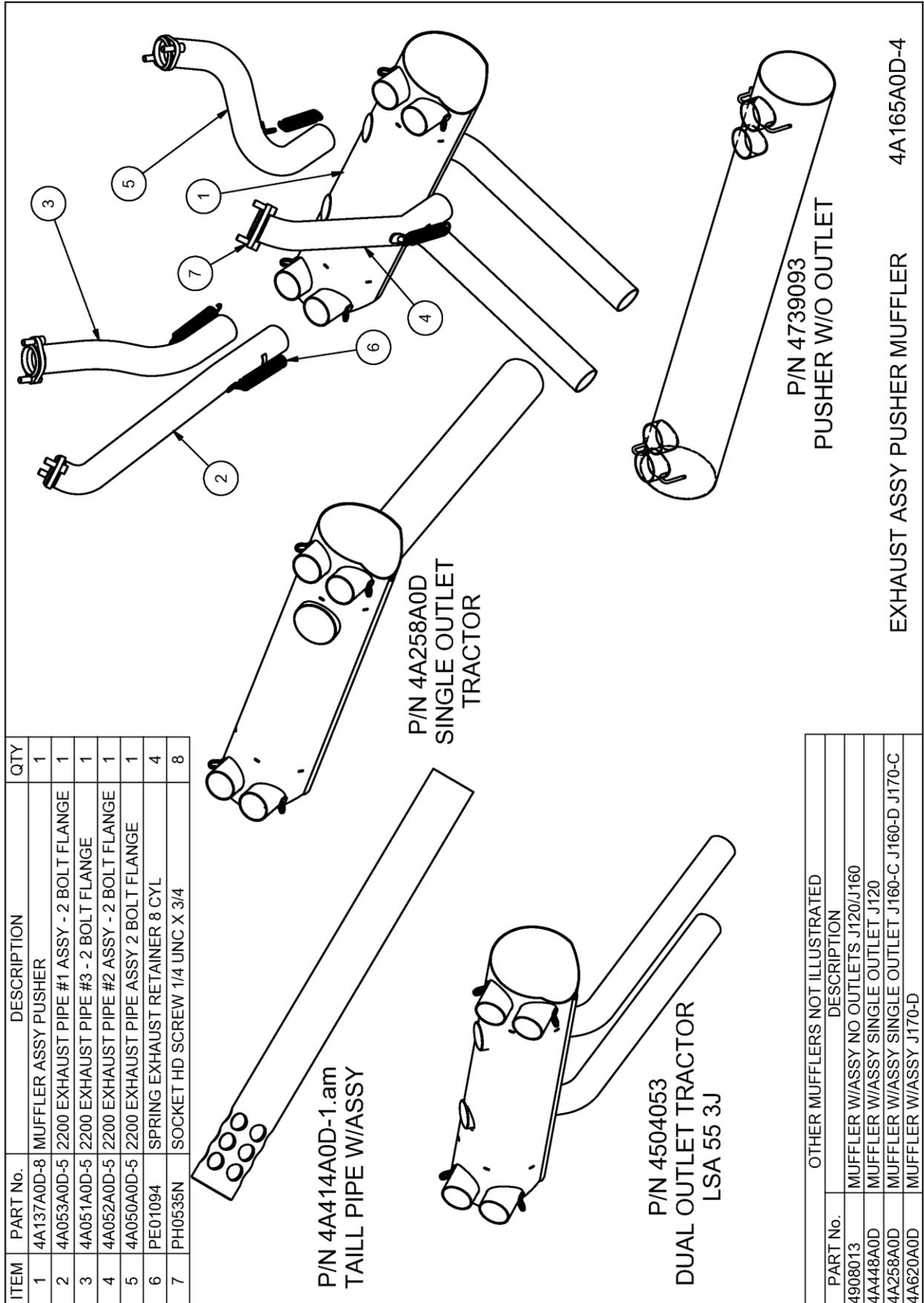
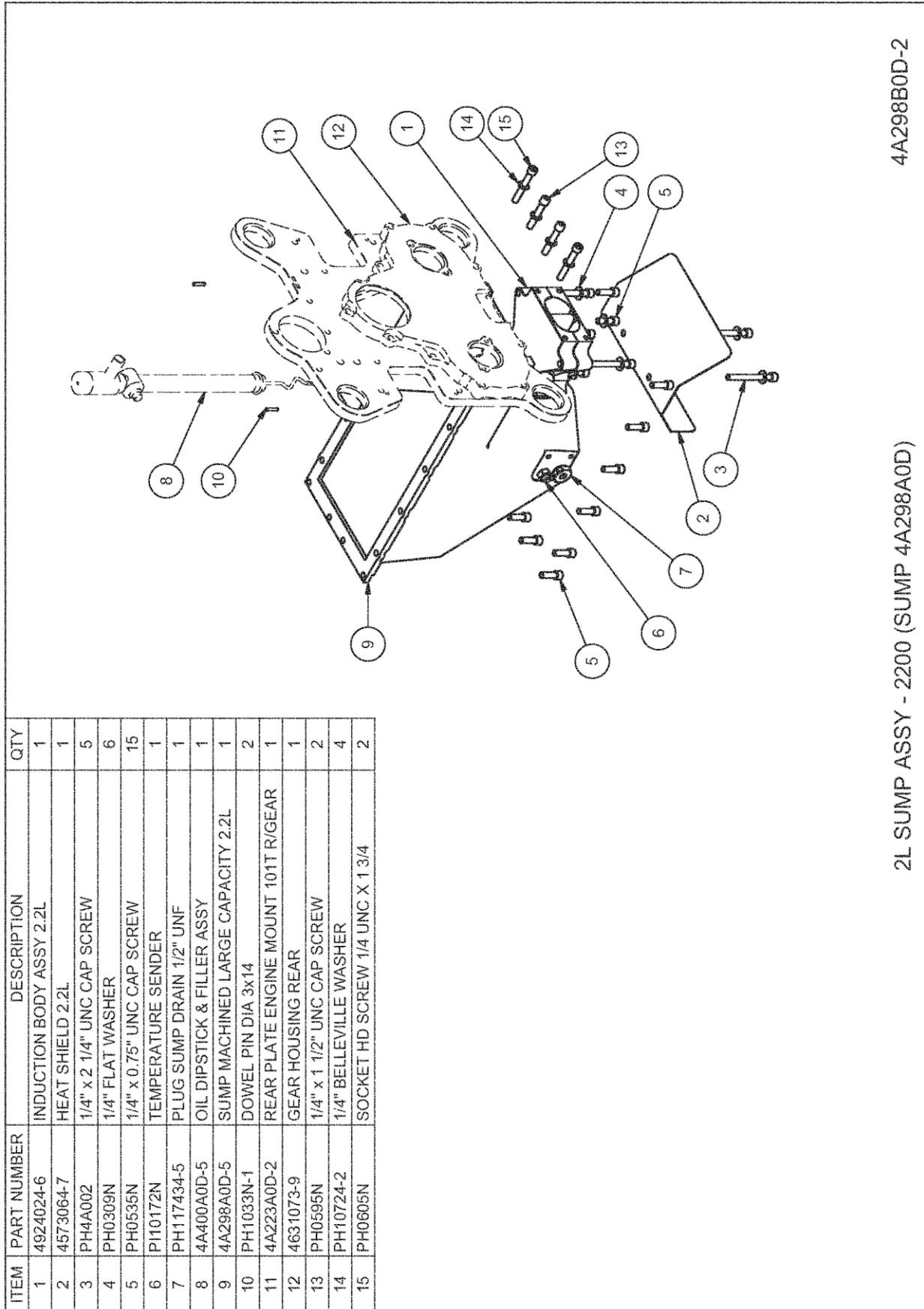


Figure 18 - Exhaust Assy



4A298B0D-2

2L SUMP ASSY - 2200 (SUMP 4A298A0D)

Figure 19 – Sump Assy from S/N 2553 on

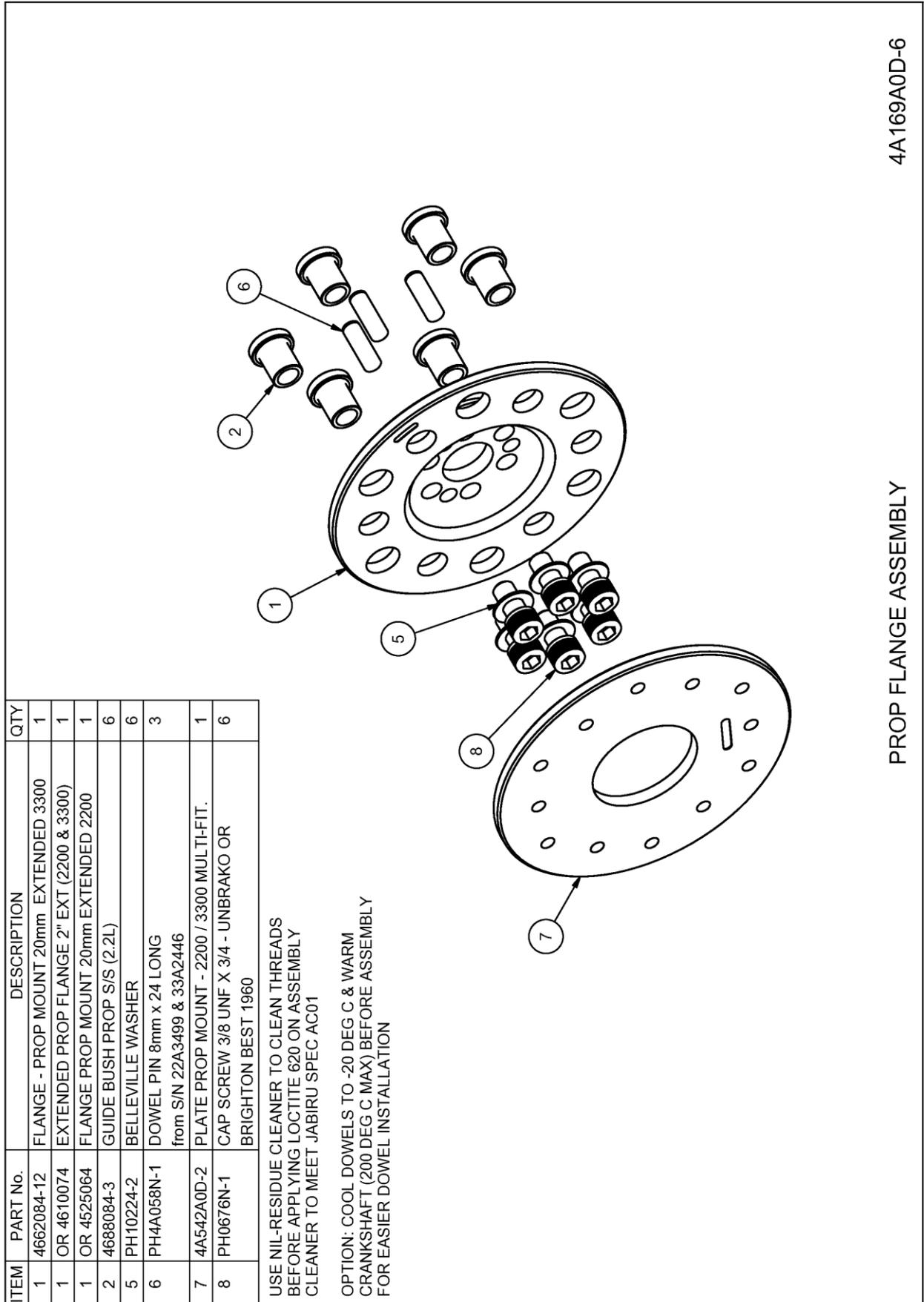


Figure 20 - Propeller Flange Assy

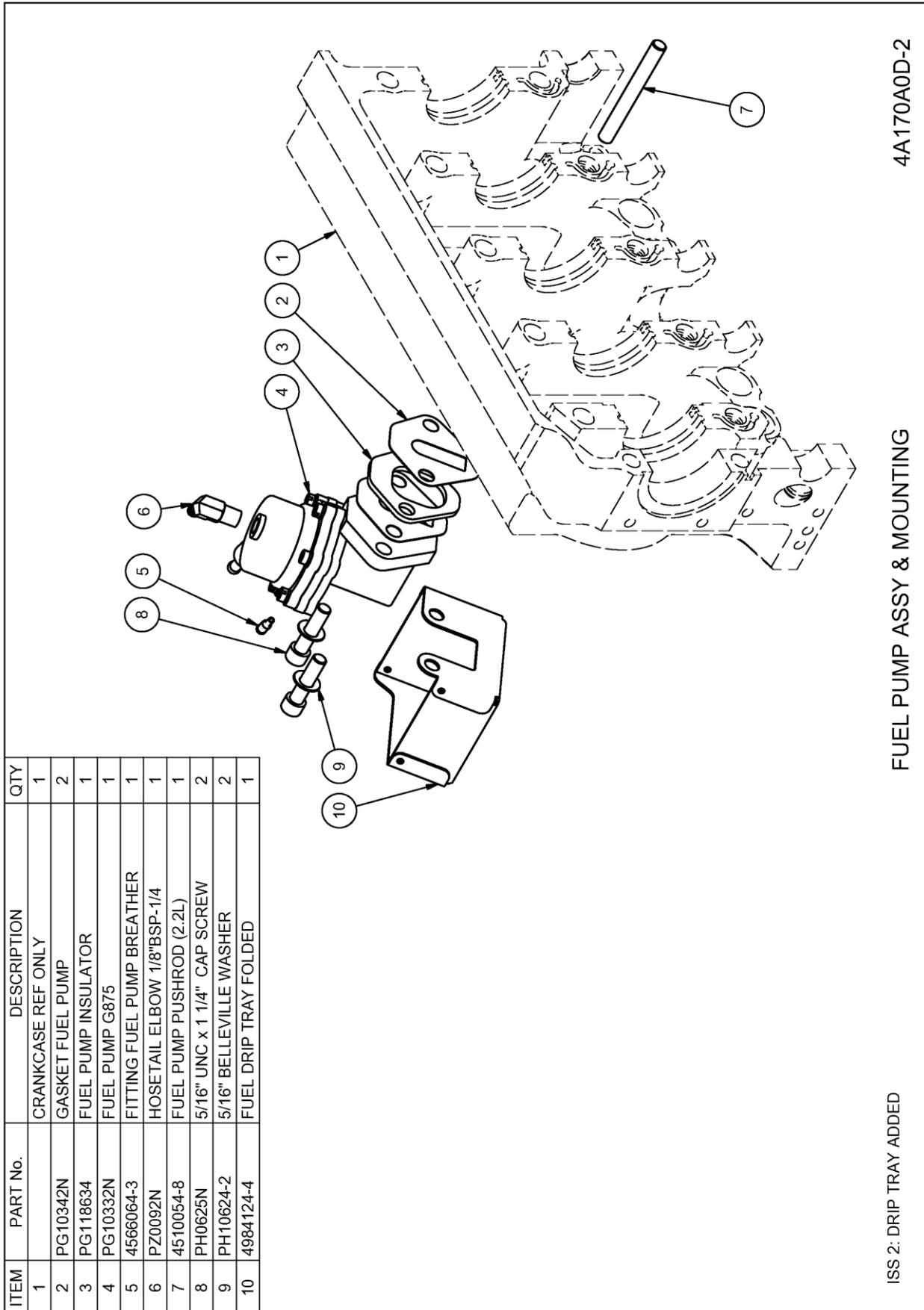


Figure 21 - Fuel Pump Assy