



PSB 4A 100EH 5355A1 and B1 - Allis-Chalmers Models 6000 and 7000 A-C #4337826

Clockwise Rotation - L.H. Mounting - Fulcrum Lever Set for 5% - Timed for Port Closing - Equipped with Internal Spring Type Governor

Illustration Number	Part Number	Quantity Used	Description of Part
3	HB 9024	1	HUB, drive - camshaft
8	SH 9075 A	1	CAMSHAFT
10	PO 903	1	POINTER, timing
11	HG 9069 A	1	HOUSING, pump - includes parts 10 and 11A
13	CV 903 C	1	COVER, quill shaft - pump housing
16	SC 1140	2	SCREW, fastening - quill shaft cover
18	CV 9048 A	1	COVER, timing window - includes **a
**a	PN 1026	2	PIN, dowel - timing window
***	RD 9041 A	1	SHUT-OFF ROD ASSEMBLY - includes parts 18B thru 18G
18F	FI 9010	1	FITTING, shut-off
23	PN 9023	1	PIN, plunger sleeve
24	CU 9021 A	1	CONTROL UNIT ASSEMBLY
40	SGB 15B13	1	SUPPLY PUMP ASSEMBLY - for parts, see Fuel Supply Pump Section
***	TP 904 A	1	TAPPET ASSEMBLY - includes parts 51A thru 51C
51A	RL 768 A	1	ROLLER ASSEMBLY - tappet
51B	PN 9039	1	PIN, tappet roller
51C	GU 9021 A	1	GUIDE ASSEMBLY - tappet
52	SP 9038	1	SPRING, plunger - outer
53	GU 9020	1	SEAT, spring - upper
80	RD 9043 A	1	ROD, control
***	LE 9091-3 A	1	FULCRUM LEVER ASSEMBLY, spring loaded - includes parts 80, 90 and **b thru **e
90	LE 9095-1 A	1	FULCRUM LEVER ASSEMBLY
**b	SC 9037	1	SCREW, control rod
**c	See Note 1	1	WASHER, spring seat
**d	SP 9039	1	SPRING, adjusting - tension
**e	NT 1239	1	NUT, elastic
98	HG 9055	1	HOUSING, governor
100	PL 7958-1 A	1	BRIDGE ASSEMBLY, stop plate - includes parts **g thru **i
**g	PL 7957 A	1	PLATE, stop
**h	BK 7938 C	1	BRIDGE, stop plate
**i	NT 8-8CA	2	NUT, jam
103	SC 1140	2	SCREW, fastening - bridge assembly
126	SC 350-20CA	2	SCREW, stop lever
***	LE 79147 A	1	LEVER ASSEMBLY, operating - includes parts 140, 142, 142A and 142B
142	LE 79146	1	LEVER, operating
200	HD 5154 A (New)	1	HYDRAULIC HEAD ASSEMBLY - complete - includes parts 22, 45, 201 thru 213, 215 thru, 219, 221 and 222
201	RG 902	1	RING, button retainer
202	BO 903	1	BUTTON, plunger - See Note 4
205	SP 9037	1	SPRING, inner plunger

** Not Illustrated
 *** Not Shown Assembled

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Illustration Number	Part Number	Quantity Used	Description of Part
207	RN 9025	1	COVER, gear retainer
208	GE 9015	1	GEAR, plunger drive - Oldham
208A	GU 9016	1	GUIDE, plunger - Oldham
208B	GU 9023	1	SEAT, plunger spring - upper
217	FI 9023	6	FITTING - discharge
217A	SV 9021	6	SLEEVE - discharge fitting

ALL OTHER REQUIRED PARTS SAME AS FOR PSB 4A 100EH-1 - MANUAL PAGE D 226/850

NOTE 1: Use WA 1807 and/or WA 1808 as required to permit control rod to drop of its own weight when fulcrum lever is in vertical position.

NOTE 2: Install stop lever (135) approximately $5^{\circ} \pm 5^{\circ}$ instead of 15° to left.

NOTE 3: Pretorque delivery cap screw (212) and plunger bore cap screw (215) to 50 - 55 ft. lbs. Loosen and retorque to 50 - 55 ft. lbs.

NOTE 4: Replacement BO 903 buttons must be lapped to mating surface of plunger to provide maximum seating surface.

CAUTION: Do not damage lapped plunger surface during this operation.

CALIBRATION: Average for all outlets.

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Governor speed 600 to 1800 RPM.

Inner spring (Ill. 111) SP 7950/13 - Gap .079"

Outer spring (Ill. 110) SP 7951/14 - Precompressed .039"

Set cam to form 105° angle with fulcrum lever.

Set at full load speed for 64 - 65 cc/500 strokes.

Set at idle speed for 11 - 12 cc/500 strokes.

Cam to leave stop plate at 1815 - 1825 RPM.