

Service Instructions

For systems with lubricator type "KI—"

BIJUR

automatic lubricating system

Your machine is protected by a built-in Bijur central lubricating system — by CORRECT lubrication of all bearings served, it assures smooth operation of your machine for years, if properly maintained.

The Bijur system consists of three basic elements: (1) a lubricator (pump) which periodically forces a measured volume of oil into (2) a single line of distribution tubing branched to supply oil to the bearing surfaces through (3) Meter-Units which proportion the correct oil film to each bearing.

OIL: Use only non-compounded clean mineral oil of type and viscosity recommended by machine manufacturer.

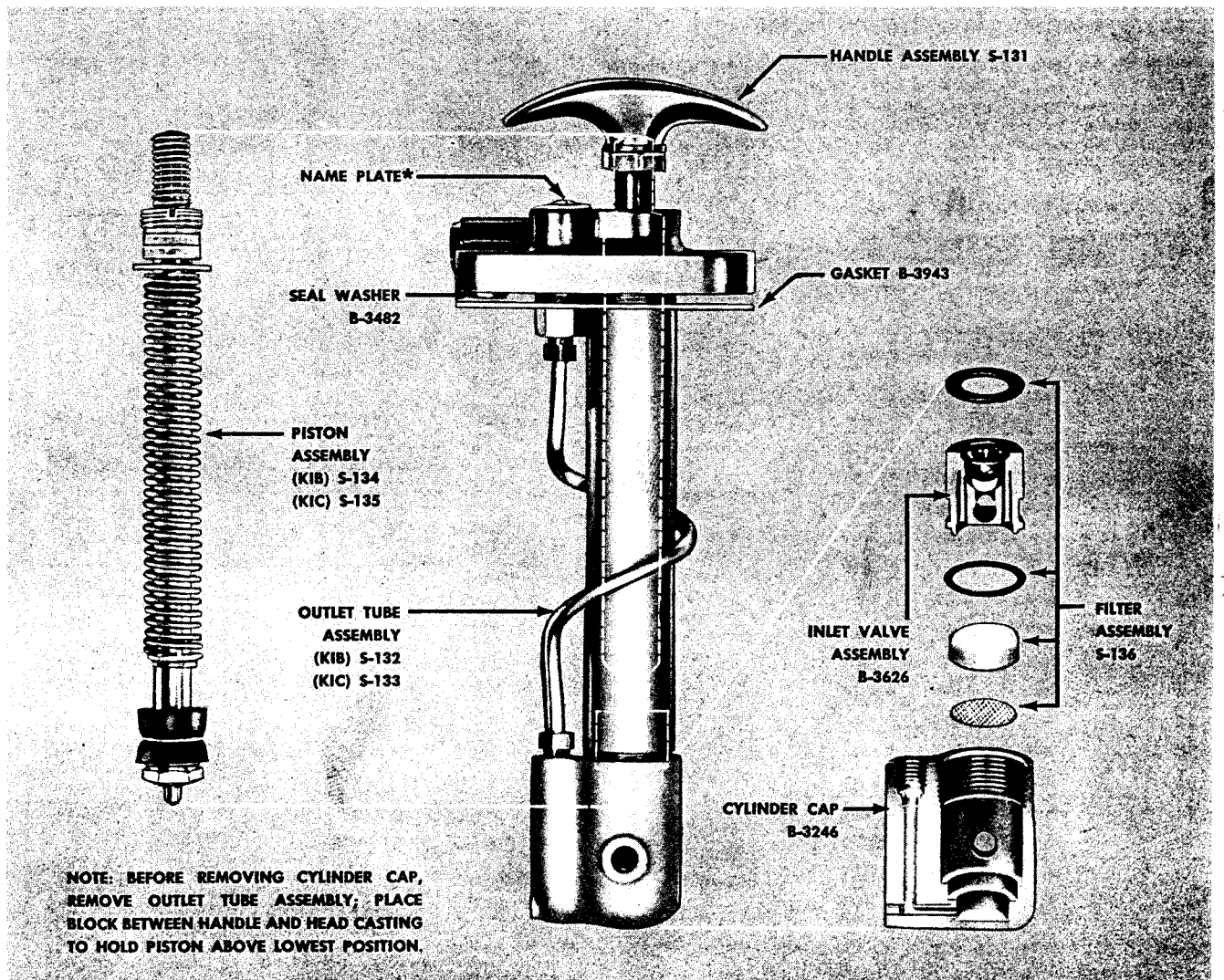
OPERATION: This One-Shot lubricating system is pre-set by the machine manufacturer for best operation. Lubricator Type KI— is a spring discharge piston pump mounted in a reservoir on the machine. Pulling out the tee-handle to full stroke fills the cylinder with a pre-determined volume of oil. Spring pressure discharges the oil into the distribution system automatically, and returns the handle to the original position. Lubricator must be operated at intervals recommended by machine manufacturer.

STARTING A NEW MACHINE: Fill reservoir; operate lubricator until oil shows freely at all bearings.

MAINTENANCE: Check oil level daily and refill reservoir when required. Replace filter assembly annually. Check system periodically for loose or broken tubing, worn hoses, loose fittings and connections.

SERVICE: Too little oil at all bearings — check for low oil level (handle snaps back if reservoir is empty), broken or cracked tubes, loose connections, flattened lubricator outlet tube, clogged filter, or worn piston leather. For too little or too much oil at one bearing, see other side.

SERVICE PARTS: Order by Part Number and Name shown below—you must also specify complete lubricator Type symbol and Serial letters shown on Name Plate*. Example: "S-136 Filter Assembly for Lubricator Type KIB Ser. LF." If a new lubricator is required for replacement, order by Type symbol and Serial letters shown on Name Plate*. For major repairs requiring parts not numbered below, return lubricator for factory rebuilding and adjustment. Prompt shipment can be made on parts and lubricators.



IMPORTANT: REPLACE FILTER ASSEMBLY ONCE A YEAR

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SERVICE (Meter-Units)

If one bearing receives too much oil, remove Meter-Unit and replace with one of same type but next lower Flow Rate Number. For too little oil at one bearing, replace Meter-Unit with one of same Type but next higher Flow Rate Number. Each increase in Flow Rate Number doubles oil feed. Don't attempt to adjust, disassemble, blow through or drill out Meter-Units.

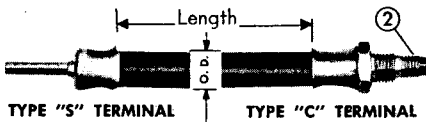
SERVICE PARTS (Meter-Units)

Type (FSA, MTB, etc.), Flow Rate Number (00,0,1,2,3,4 or 5) and flow direction arrow are stamped on body of Meter-Units. Before ordering, check against illustrations below. **F and M Types are not interchangeable.** (Arrows show direction of flow.) Also check threads if necessary (see "thread notes" at bottom of page). Specify fully Name, Type and Flow Rate Number required. Example: "Meter-Unit FSA-2."

FSA MSA	FJB MJB	FRA MRA	FJC MJC	FRC MRC	FJD	FKA MKA	FKB MKB
FTA MTA	FTB MTB	FTC MTC	FTD MTD	FTG MTG	FTH MTH	FTK MTK	FTL MTL

SERVICE PARTS (Distribution System)

FLEXIBLE HOSE—Available with 5/32 tube terminals both ends (Type SS), 5/16-24 thread both ends (Type CC), or one of each (Type SC). Measure flexible length between terminals, and order from table below. Specify Name and Part No. Example: "Flexible Hose, B-4863."



LENGTH (INCHES)	Type SS		Type CC	Type SC
	5/16" O.D.	7/16" O.D.	7/16" O.D.	7/16" O.D.
4	B-4514	—	—	—
5	B-4515	B-2962	B-4873	B-4857
6	B-4516	B-3134	B-4874	B-4858
7	B-4517	B-2963	B-4875	B-4859
8	B-4518	B-3433	B-4876	B-4860
9	B-4519	B-2542	B-4877	B-4861
10	B-4520	B-3145	B-4878	B-4862
12	B-4588	B-3135	B-4879	B-4863
14	B-4589	B-3530	B-4880	B-4864
16	—	B-3531	B-4881	B-4865
18	—	B-3137	B-4882	B-4866
20	—	B-3532	B-4883	B-4867
22	—	B-3528	B-4884	B-4868
24	—	B-3508	B-4885	B-4869
27	—	B-3533	B-4886	B-4870
30	—	B-3534	B-4887	B-4871
33	—	B-3735	B-4888	B-4872

THREAD NOTES — All unnumbered tapped holes 5/16-24 Bijur standard.

- ① 5/16-24 for Bijur tapped holes only,
- ② 5/16-24 for 5/32 tubing connections,
- ③ 5/16-24 for 3/32 tubing connections,
- ④ 1/4-28 for 3/32 tubing connections,
- ⑤ 1/8 pipe thread.

TUBING—Available in 12 foot lengths only. Check outside diameter, material and wall thickness. Order by Name and Part No. Example: "Tubing, 5B25."

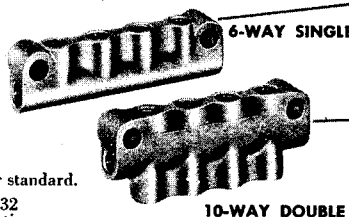
	5/32" O.D.			3/32" O.D.	
MATERIAL	Brass	Copper	Copper	Steel	Steel
WALL	.025	.025	.055	.020	.020
PART NO.	5B25	5C25	5C55	5S20	3C22

COMPRESSION FITTINGS—Check tubing O.D. and thread and hex on nuts and bushings. See "thread notes" at bottom of page. Sleeves of proper tubing size are required for all connections. Order by Name and Part No. Example: "Bushing, B-3783."

Item	Tube O.D.	Hex	Thread Note	Part No.
	5/32	3/8	②	B-1095
	3/32	3/8	③	B-3312
	3/32	5/16	④	B-3610
	5/32	3/8	②	B-1371
	5/32	5/16	②	B-3783
	5/32	—	—	B-1061
	3/32	—	—	B-3313

JUNCTIONS — Check number of tapped holes — identify in tables from illustrations and number of mounting holes (untapped). All "One Mounting Hole" types shown. Typical examples of "Two Mounting Holes" types — both "Single" and "Double" are shown. Order by Name and Part No. Example: "Junction, B-3265."

One Mounting Hole				
TYPE	2-Way	3-Way	3-Way	4-Way
PART NO.	B-3288	B-3065	B-1092	B-4231



	TYPE	SINGLE	DOUBLE
Two Mounting Holes	4-Way	B-3262	—
	5-Way	B-3263	—
	6-Way	—	B-3109
	7-Way	B-3289	—
	8-Way	B-3265	B-3253
	9-Way	B-4508	—
	10-Way	B-3704	—
	12-Way	B-3471	B-3249
	14-Way	—	B-4020
	16-Way	—	B-4025