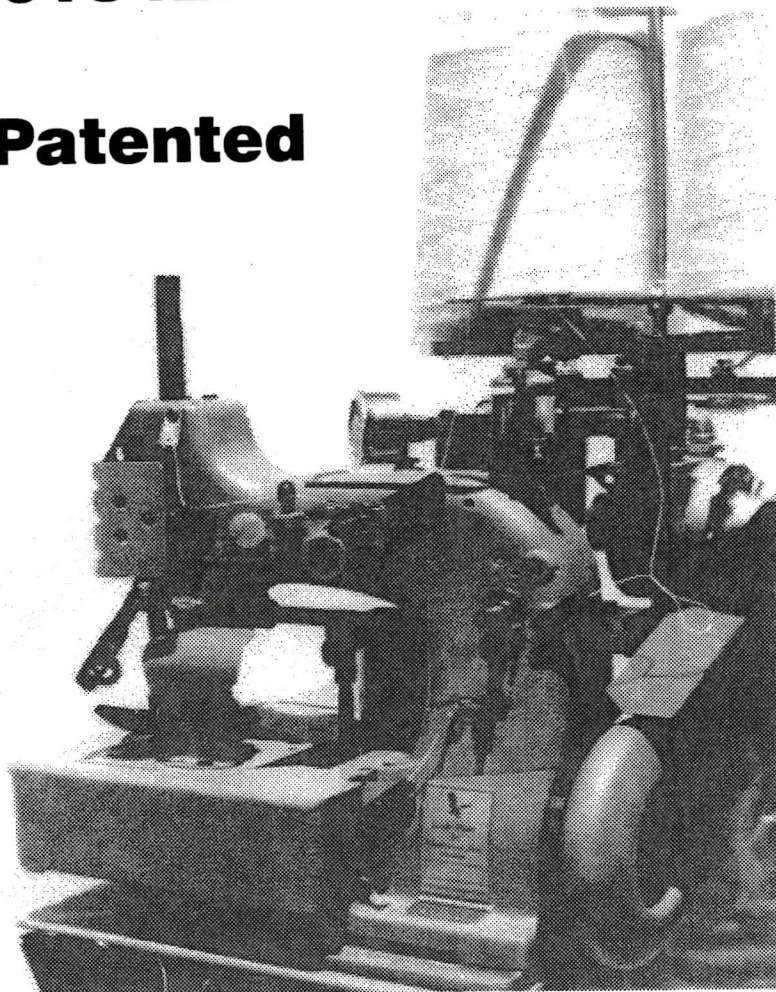


**Eagle Parts &  
Machinery, Inc.**

**Parts and Repair  
Manual**

**70184EH  
70184EHW**

**Patented**



## **70184EH and 70184EHW MAINTENANCE PROCEDURES**

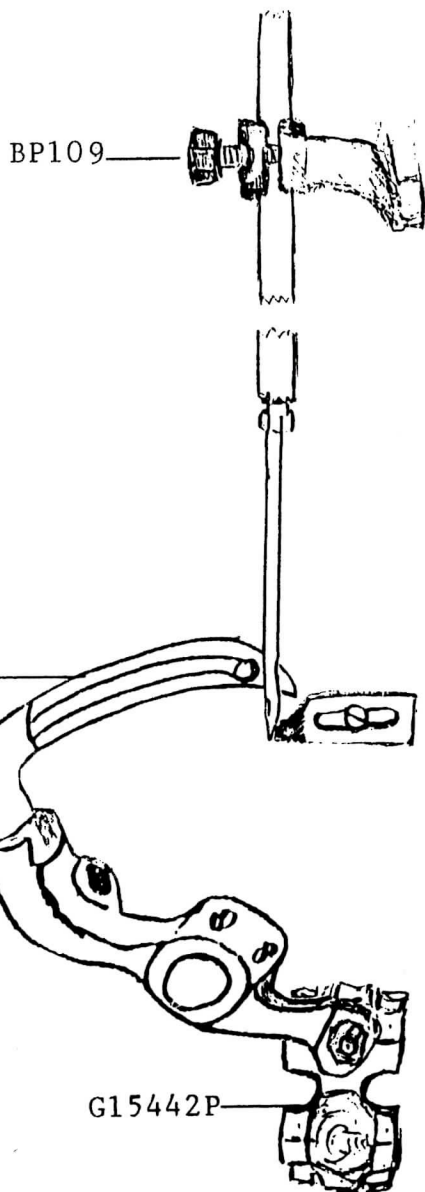
- (1) Sewing machine should be oiled at every oiling point every day, preferably at the beginning of every shift.**
- (2) Use an air hose to blow lint out of the sewing machine. It is best to do this at the beginning of each shift. Lint acts as a wick and absorbs the oil from the parts. Also, when too much lint builds up on parts, it causes the machine to not operate properly.**
- (3) Oil the wheels often; at least once a day.**
- (4) Keep all strings removed from the wheels of the sewing machine and trimmer trolleys. A build up of strings and lint in the wheels causes the wheels to bind. It will also put too much pressure on the clutch.**
- (5) Keep all strings, carpet scraps, and lint cleaned out of the railway. A build up of debris in the railway may cause the wheels of the trolleys to slide. When the wheels slide it may seem as though the clutch is slipping when, in fact, it is not.**
- (6) The CWG1040-1L gear and the W10-1L gear in the clutch assembly should be greased with a high temperature grease at least one a week. Check these gears at least twice a week, grease them twice a week if needed. Any time you change these gears, be sure you grease them well. When installing new gears, make sure they are properly seated. Only a few thousandths of an inch clearance between the gears is needed. When you change the gears, be sure to check the bushing or bearing in the bottom of the trolley for wear. If either is worn, the clutch shaft wobbles and causes excessive wear on the gears. Make sure that you do not get grease in the clutch. Grease in the clutch will cause the clutch to slip.**

**(7) When using an air motor, check moisture in the moisture collector of the air pack at least once a day. If there is moisture in the collector, wipe the inside of the collector with a dry cloth. If moisture gets into the air motor, the motor will not run properly.**

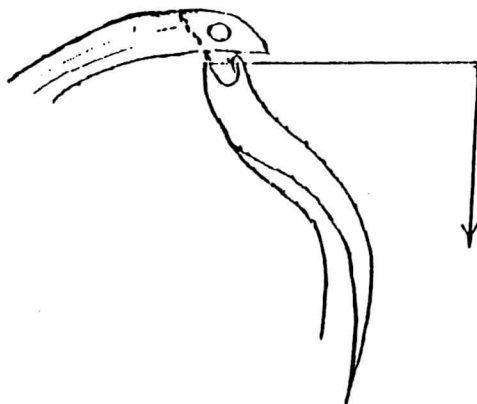
**(8) Make sure there is oil in the oil container of the air pack. An air motor must have the right amount of oil to run properly. The amount of oil going into the motor is set before the machine is delivered. Do not change the adjustment, but keep the container filled.**



# Adjustments for 70184EHW Butt-seamer for Proper Sewing

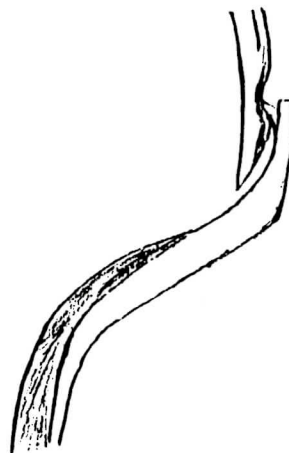
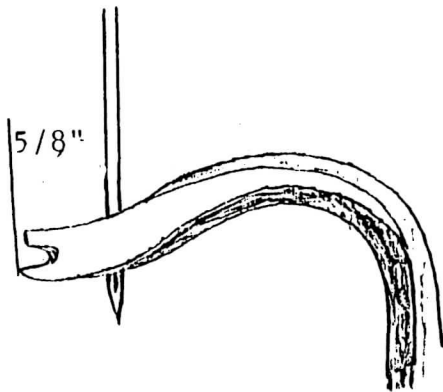


- 1) Loosen BP109 bolt to adjust needle bar up or down as needed.
- 2) Needle point should be even with the bottom of the needle guide.
- 3) Set the needle guide against the back of the needle.
- 4) The 70187EH looper point should be against the needle scarf.
- 5) If needed, to adjust the 70187EH looper, loosen the nut of the G15442P double ball joint. This will allow you to move the stroke of the looper forward or backward to match the needle and the 70190EHW looper.



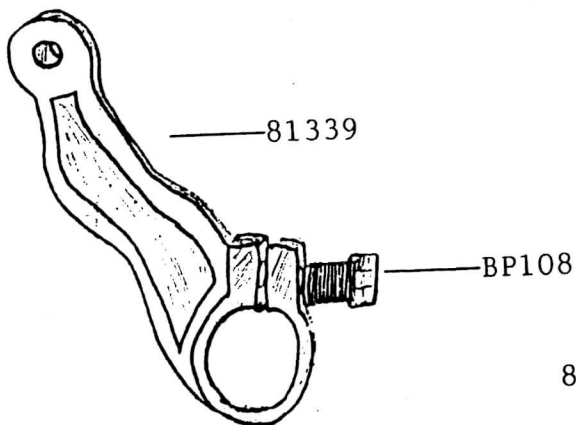
Lower stroke of the looper

Adjustments for 70184EHW Butt-seamer for proper sewing.

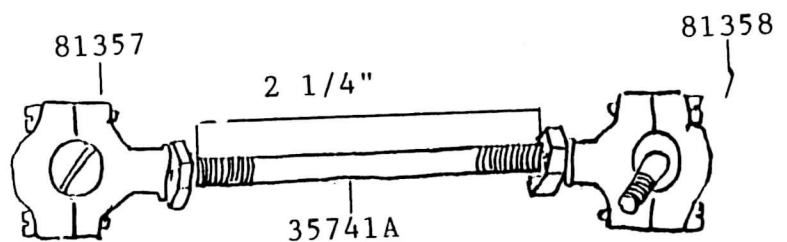


- 6) To adjust the 70190EHW looper, turn the handwheel so that the looper reaches its topmost stroke. At this point, the tip of the looper should be exactly five-eighths of an inch ( $5/8$ " ) from the needle.

- 7) The point of the 70190EHW looper must touch the scarf of the 70187EH looper when they pass each other.



- 8) To adjust the stroke of the 70190EHW loosen the BP108 clamp screw in part 81339. This will move the 81357 and 81358 ball joints. This connection must have exactly two and one quarter inches ( $2 \frac{1}{4}$ " ) space between the nuts on the 35741A rod.



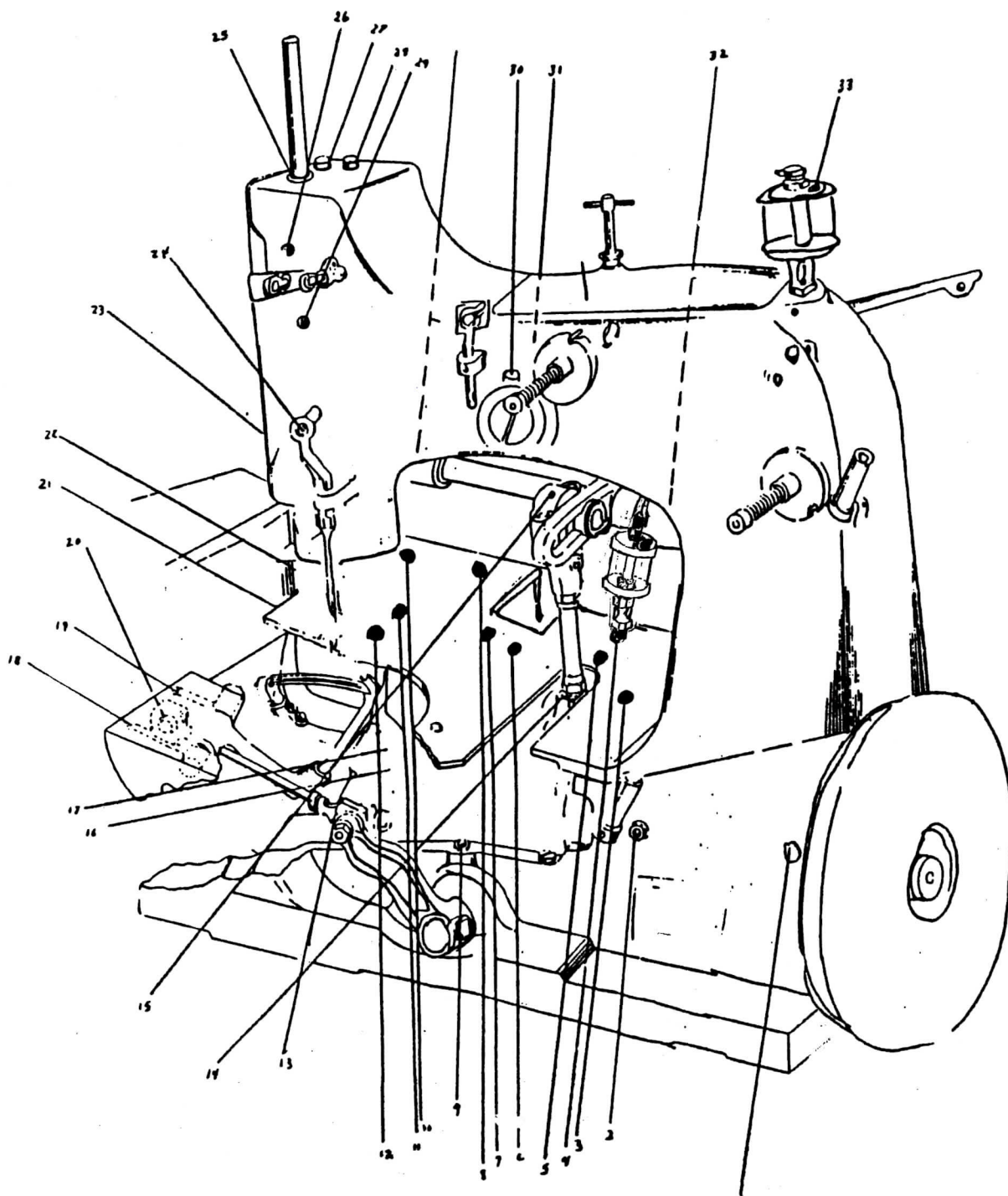


# Eagle Parts & Machinery, Inc.

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## OILING DIAGRAM

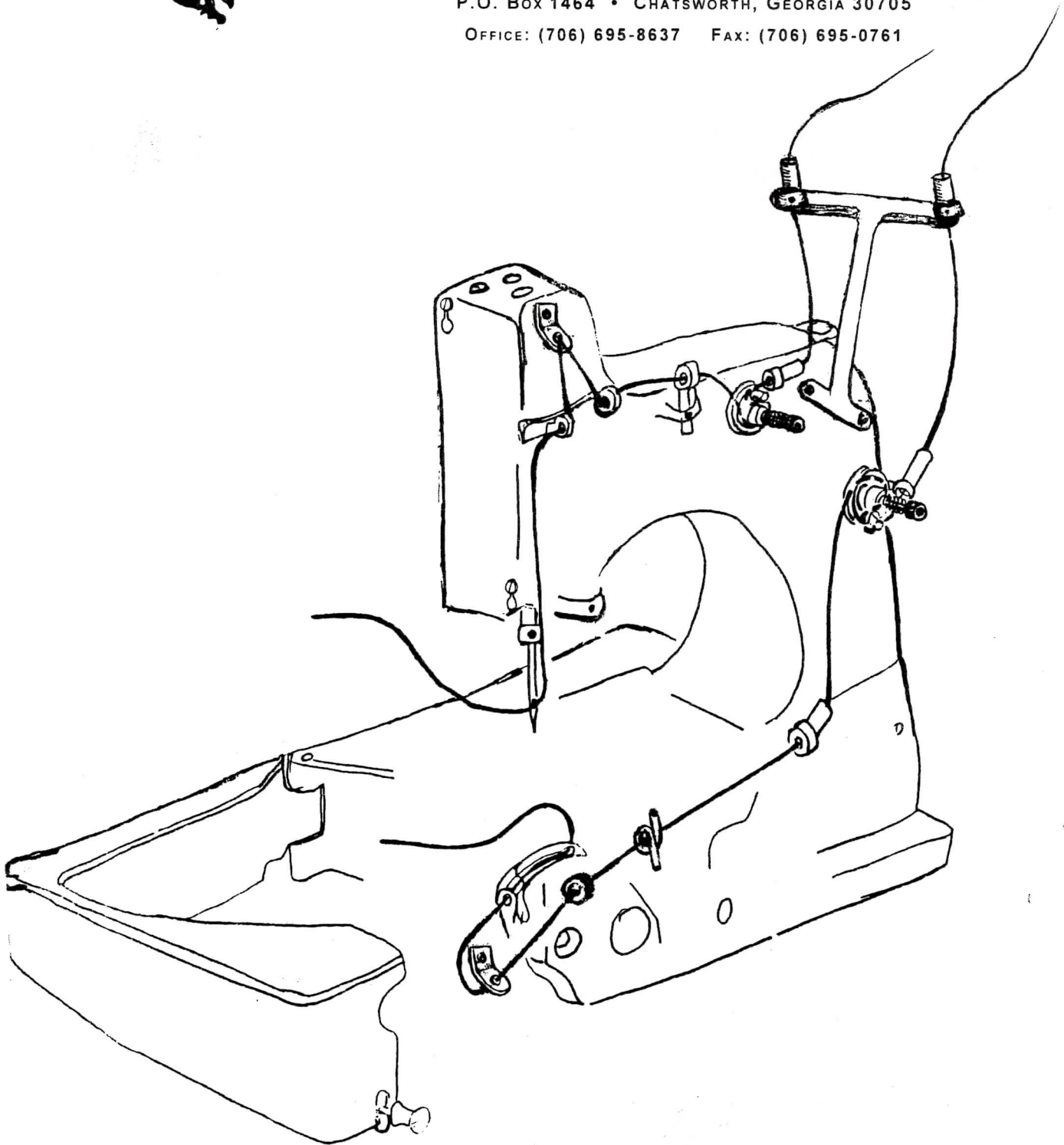




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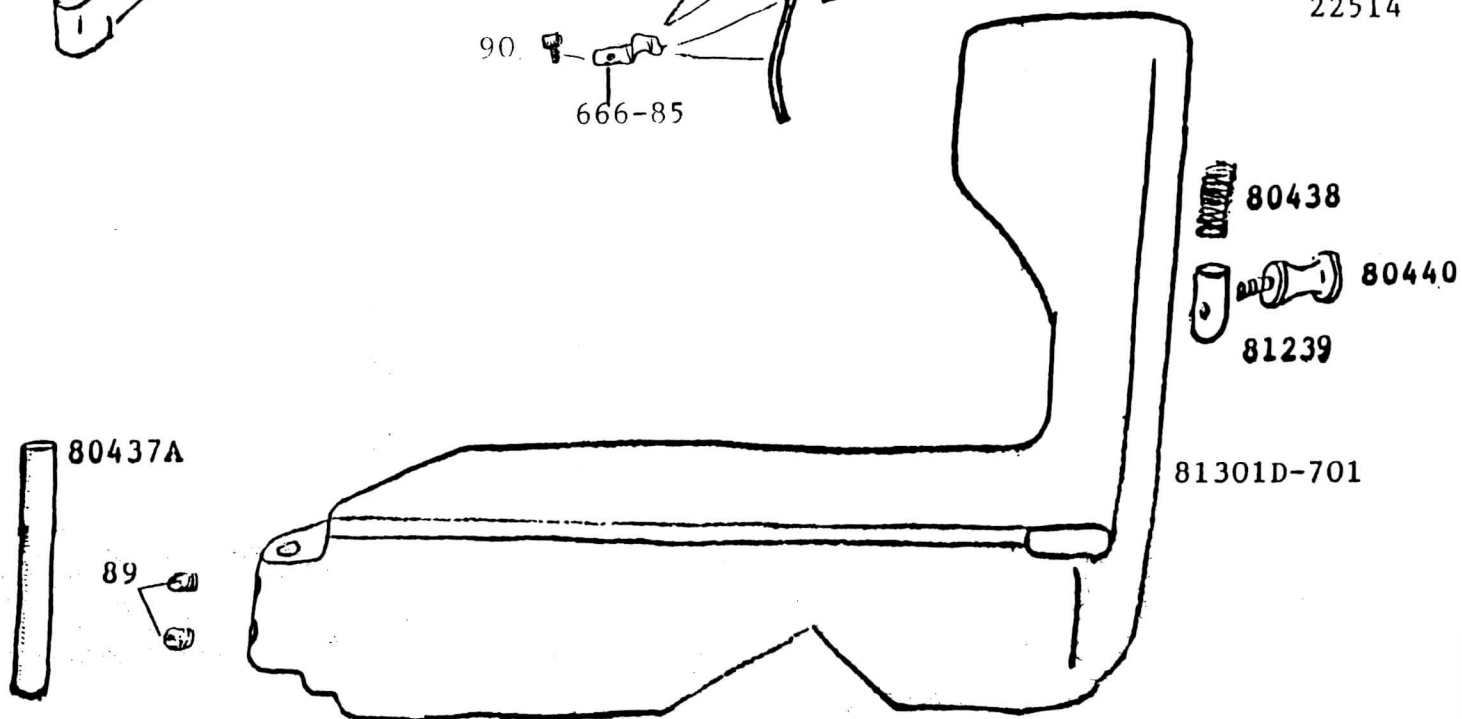
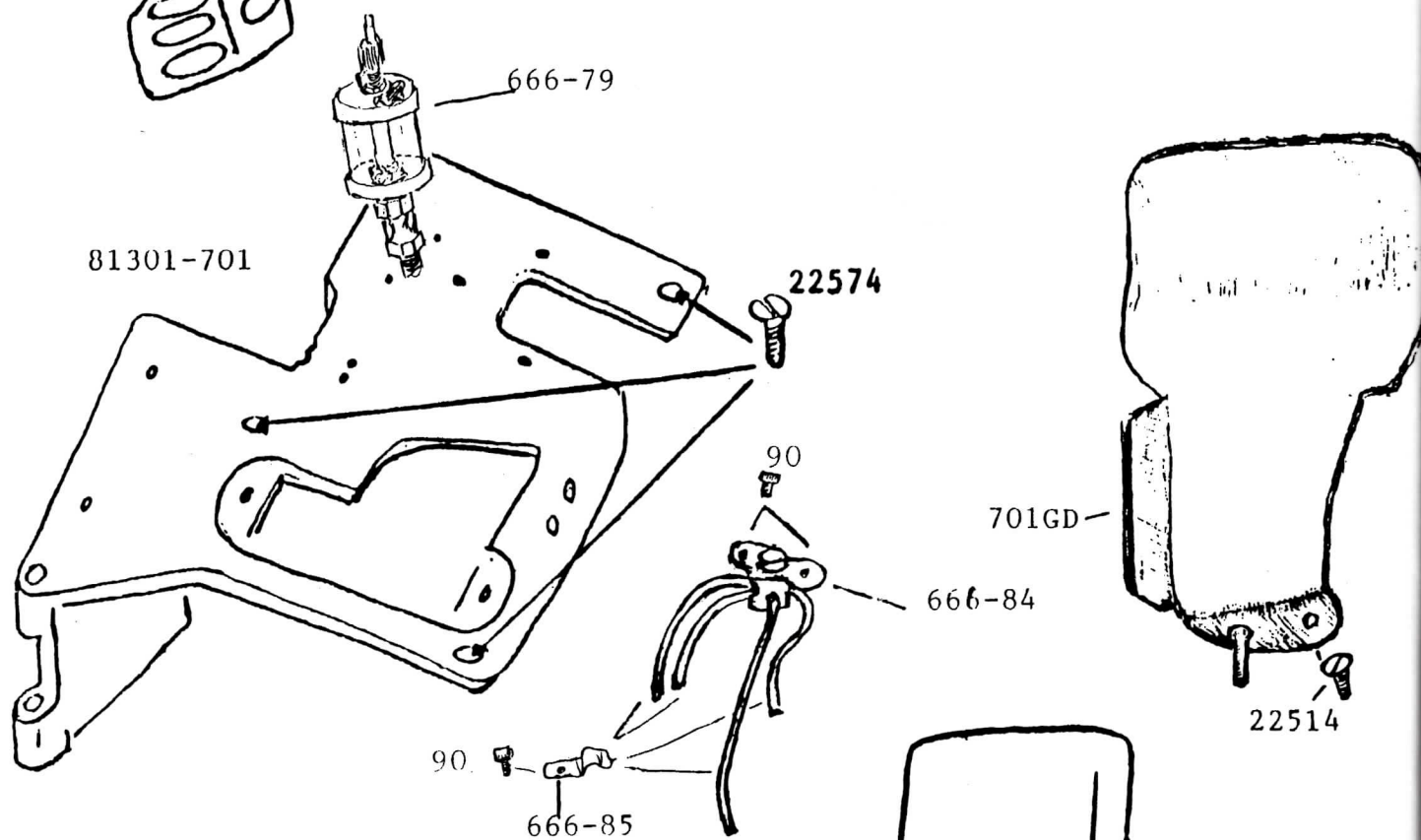
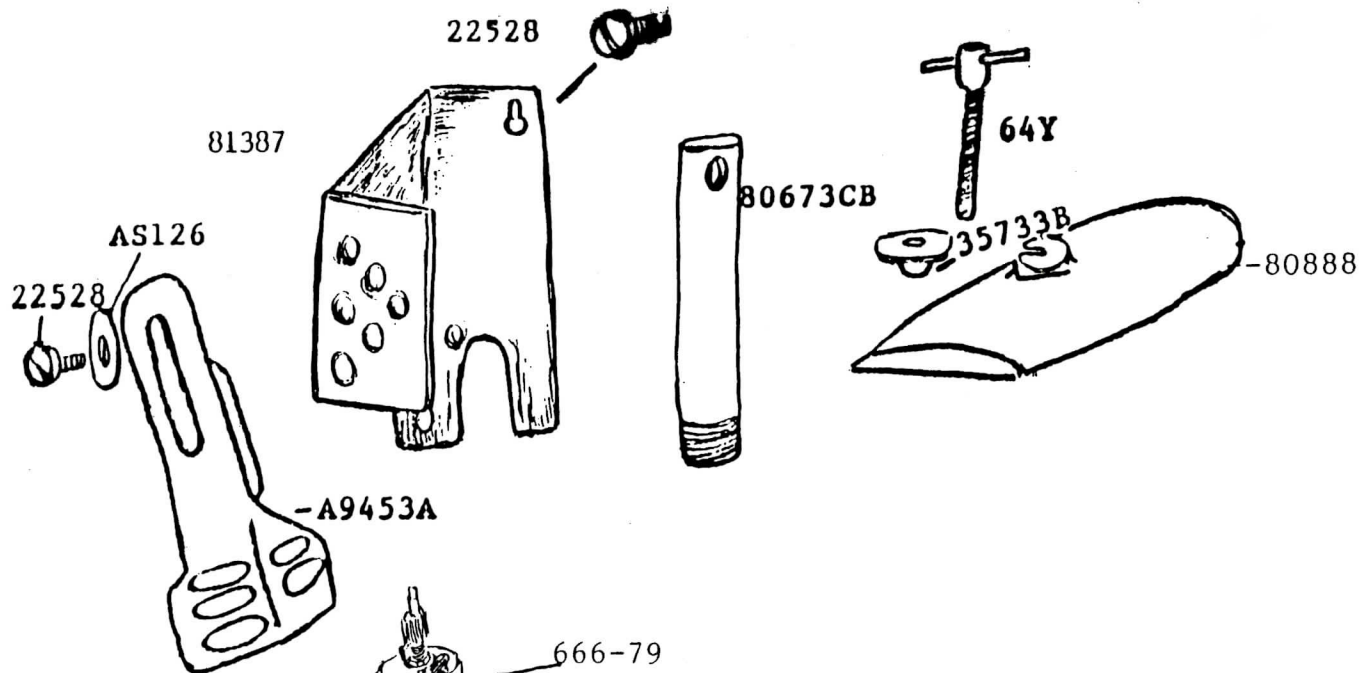
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# THREADING DIAGRAM

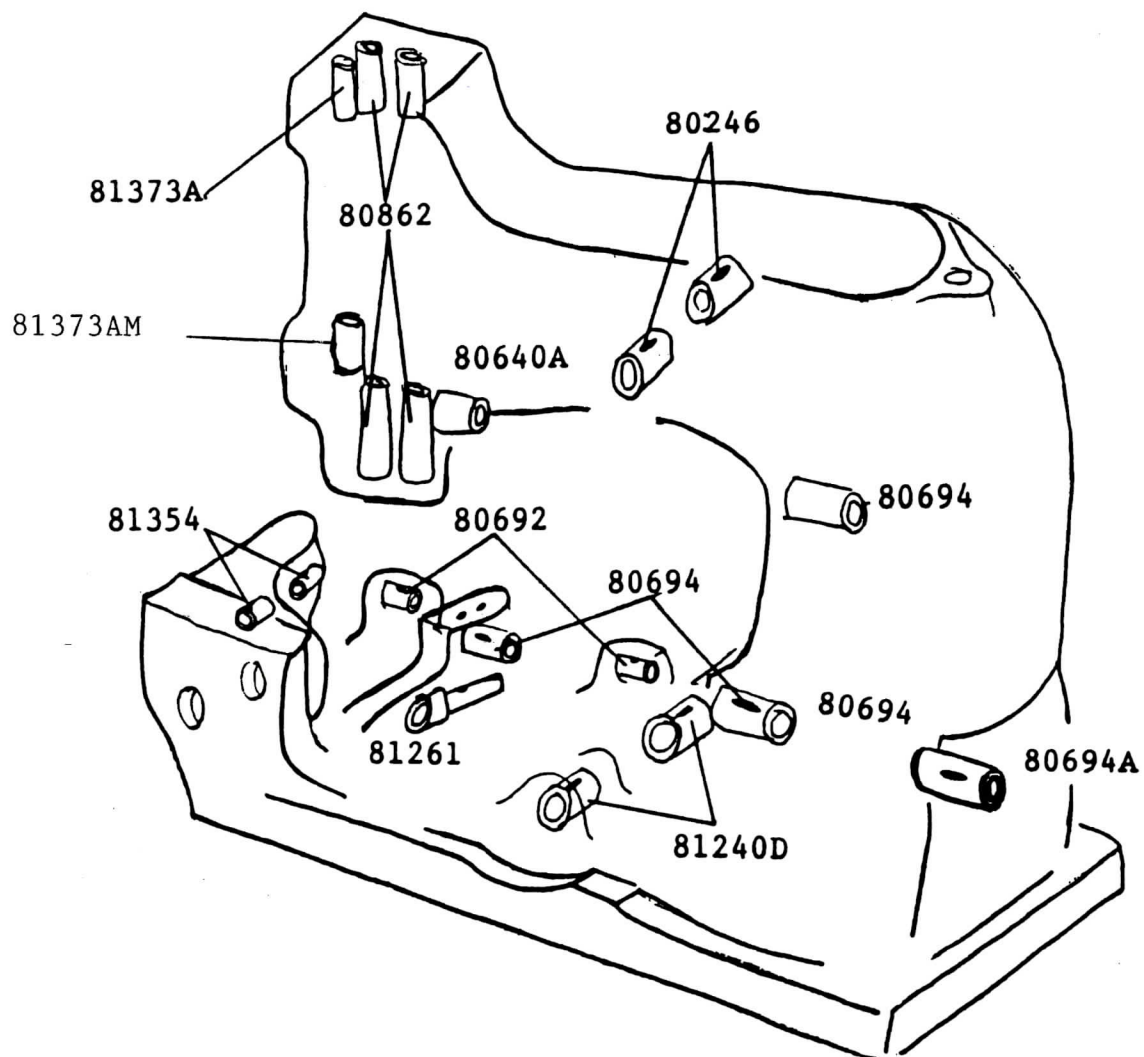
**EXPLODED VIEWS**  
**OF 70184EH**  
**AND 70184EHW**





## Cloth Plate and Guards

Part number	Description	Number pieces needed
64Y	Presser spring regulator screw	1
89	Set screw	2
90	Screw	6
AS126	Flat washer	1
666-79	Oiler	1
666-84	Oiling system	1
666-85	Clamp for oiling system	4
701GD	Guard	1
A9453A	Guard	1
22514	Screw	1
22528	Screw for face plate	2
22574	Screw for cloth plate	3
35733B	Lock nut for presser spring regulator screw	1
80437A	Hinge pin for cloth plate	1
80438	Spring for locking bolt	1
80440	Locking bolt knob	1
80673CB	Needle bar guard	1
80888	Top cover	1
81239	Locking bolt	1
81301-701	Cloth plate	1
81301D-701	Swinging extension	1
81387	Face plate	1



Part number	Description	Number pieces needed
80246	Bushing for needle lever shaft	2
80640A	Bushing for left shaft for upper feed	1
80692	Bushing for feed rocker shaft	2
80694	Bushing for main shaft (left & center)	3
80694A	Bushing for main shaft (right)	1
80862	Bushing for presser bars	4
81240D	Looper rocker shaft bushing	2
81261	Left hand looper rocker cone stud bushing	1
81354	Looper rocker shaft bushing	2
81373A	Needle bar bushing, upper	1
81373AM	Needle bar bushing, lower	1



