

MADDEN MANUFACTURING, INC.

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SETTING THE STROKE LENGTH ON THE CONNECTING ROD ASSEMBLY

1. Screw down the Stroke Adjustment Screw (MP036__) to almost flush with the end of the Connecting Rod (MP034__). Keep the ball of the Stroke Adjustment Screw facing away from the rounded end of the Connecting Rod.
2. Be sure both the Bronze Connecting Rod Bushing (MP035) and the Bronze Trunnion Bushing (MP042) are parallel.
3. Insert the two slide screws (MP043) through the Connecting Rod and screw into the holes that are completely threaded on the Trunnion (MP041) until the end of the Connecting Rod is approximately 5/16" away from the end of the Trunnion.
4. The distance from the inside edge of the Connecting Rod Bushing to the inside edge of the Trunnion Bushing should be approximately 5 1/16 inches. It may be necessary to adjust the Slide Screw in or out to achieve this distance.
5. Install the Connecting Rod Assembly (MP034A) to the Piston (MP038) with the Wrist Pin (MP039) and the Wrist Pin Set Screw (MP040).

Part Number for Assembly	Pump Model	Connecting Rod	Screw	Dimensions - (in inches)		
				A	B	C
MP034A -1	MF Series	MP0341	MP036B	6.437	5.125	.312
MP034A -2	MH196 & MH1150	MP0341	MP036B	6.525	5.213	.400
MP034A -3	MH1125	MP0341	MP036B	6.539	5.227	.414
MP034B	MF105 & MF109	MP0342	MP036A	6.437	5.125	.312
MP034C	MH1180	MP0343	MP036C	6.505	5.193	.380

