------ HEATHKIT

HEATH COMPANY

Phone 616-983-3961 • TWX-616-983-3897 • Benton Harbor, Michigan 49022

December 27, 1971

Dear Customer:

Please make the following changes in your Manual before starting to assemble your Miniature Servo.

Page 4 – Left column, under "Resistors, 1/4 Watt," add:

		A1	1-38-12	2	.10	220 k Ω (red-red-yellow)
		A1	1-16-12	2	.10	180 kΩ (brown-gray-yellow)
– Unde	r "Precision	,"				
	Change:	A2	2-34-12	1	1.75	15 kΩ
	To:		2-20-11	1	1.75	<u>14.3 kΩ</u>
Page 5 - Left o	olumn, und	er "Ha	ardware,"			
	Delete:	D6	259-2	1	.05	#8 solder lug

Page 11 – Tape the new Page 11 attached to this letter over the corresponding page in your Manual.

Page 16 - Similarly, replace this page in your Manual with the new Page 16 attached to this letter.

- Page 24 In the step that starts with "() Adjust the control drive shaft," delete the words: "the #8 solder lug or. .."
- Page 26 Left column, seventh line,

Change: Refer to Pictorial 15 (fold-out from Page 24) for the following steps.To: Refer to Pictorial 16 (fold-out from Page 24) for the following steps.

Page 35 – Tape the new Schematic supplied with this letter over the one on the fold-out from your Manual page.

On the loose, fold-in Schematic supplied with your Manual, locate resistors R2 and R3 near the top of the diagram. Delete the values (330K) of both of these resistors. Then write the following note above R2 and R3:

See last "Note" on fold-out from Page 35 for resistor value.

Change the value of R1 from 15K to 14.3K.

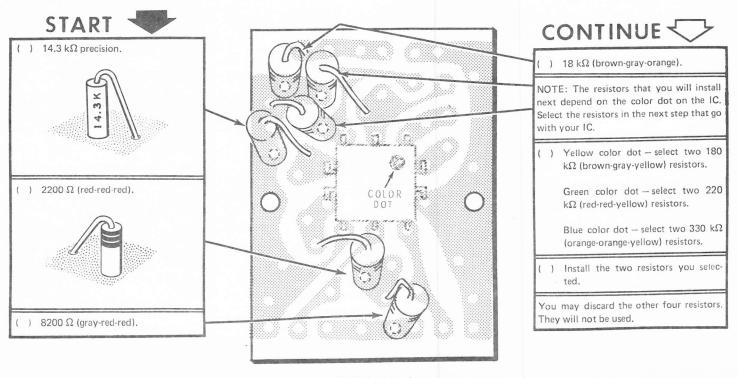
Thank you,

HEATH COMPANY

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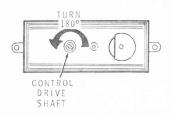
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PICTORIAL 4

Page 16



Detail 8B

Refer to Detail 8B for the following steps.

() Rotate the control drive shaft with a small screwdriver until you feel a notch in the control. Then, without forcing it, rotate the shaft 180 degrees in either direction. If the shaft does not want to turn during this rough centering adjustment, refer to the Note below. Proceed with the next step if you have no difficulty turning the shaft.

NOTE: If the shaft does not want to move, do not force it. Instead, remove the two screws and the control. Then rotate the shaft, with the control wiper, 180 degrees (the two raised tongues of the wiper should be roughly opposite the location where the large slot of the control will be; refer to Detail 8A again). Without permitting the shaft and wiper to move, install the control with the two screws, as before. Continue with the next step.

() Carefully remove the control drive shaft. Do not rotate the control wiper inside. The control will hold the control wiper in place.

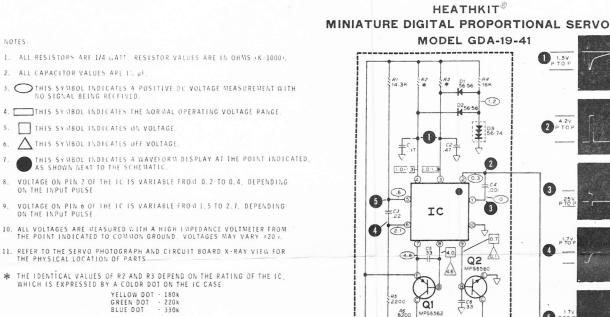
Refer to Pictorial 9 for the following steps.

- () Prepare the free ends of three of the four 1-3/4" wires coming from the circuit board. Do not prepare the black wire located between the two transistors on the short side of the circuit board. Remove 1/8" of insulation from each of the three wire ends, twist the small strands together, and melt a small amount of solder on the exposed strands.
- () Melt solder on all three lugs of the control.

NOTE: In the following steps, lay each wire flat against the control and solder it as shown.

- () Connect the 1-3/4" green wire to lug 1 of the control (S-1).
- () Connect the 1-3/4" black wire, coming from the long side of the circuit board, to lug 2 of the control (S-1).
- () Connect the 1-3/4" red wire to lug 3 of the control (S-1).
- () Test the solder connections by pulling gently on each of the three wires.

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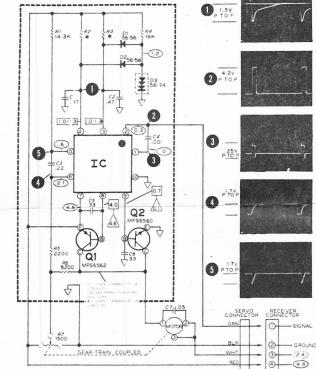
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FLAT SIDE

MPS6560 MPS6562

(CATHODE END)

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