



HEATH COMPANY • BENTON HARBOR, MICHIGAN 49022
TLX 72-9421

IMPORTANT NOTICE

Please make the following changes in your ET-18 User's Guide.

Page 6 — Cut the following "note" from this Notice and tape it in the right-hand column on Page 6.

NOTE: The front and back body panels of your Robot are designed to fit tightly to the side panels. When you first install them, you may find it difficult to press the pins into the rubber grommets. If so, apply a small amount of petroleum jelly to the pins before you install the body panels.

Pages 8 and 9 — Tape the attached Pages 8 and 9 over the corresponding pages in your User's Guide.

Page 11 — Refer to Figure 8 and change the wire connected to the two motor batteries from RED to GRN.

ILLUSTRATION BOOKLET

Tape the attached Inset drawing over the Inset on Figure 6 (Illustration Booklet, Page 2).

Thank you,

HEATH COMPANY

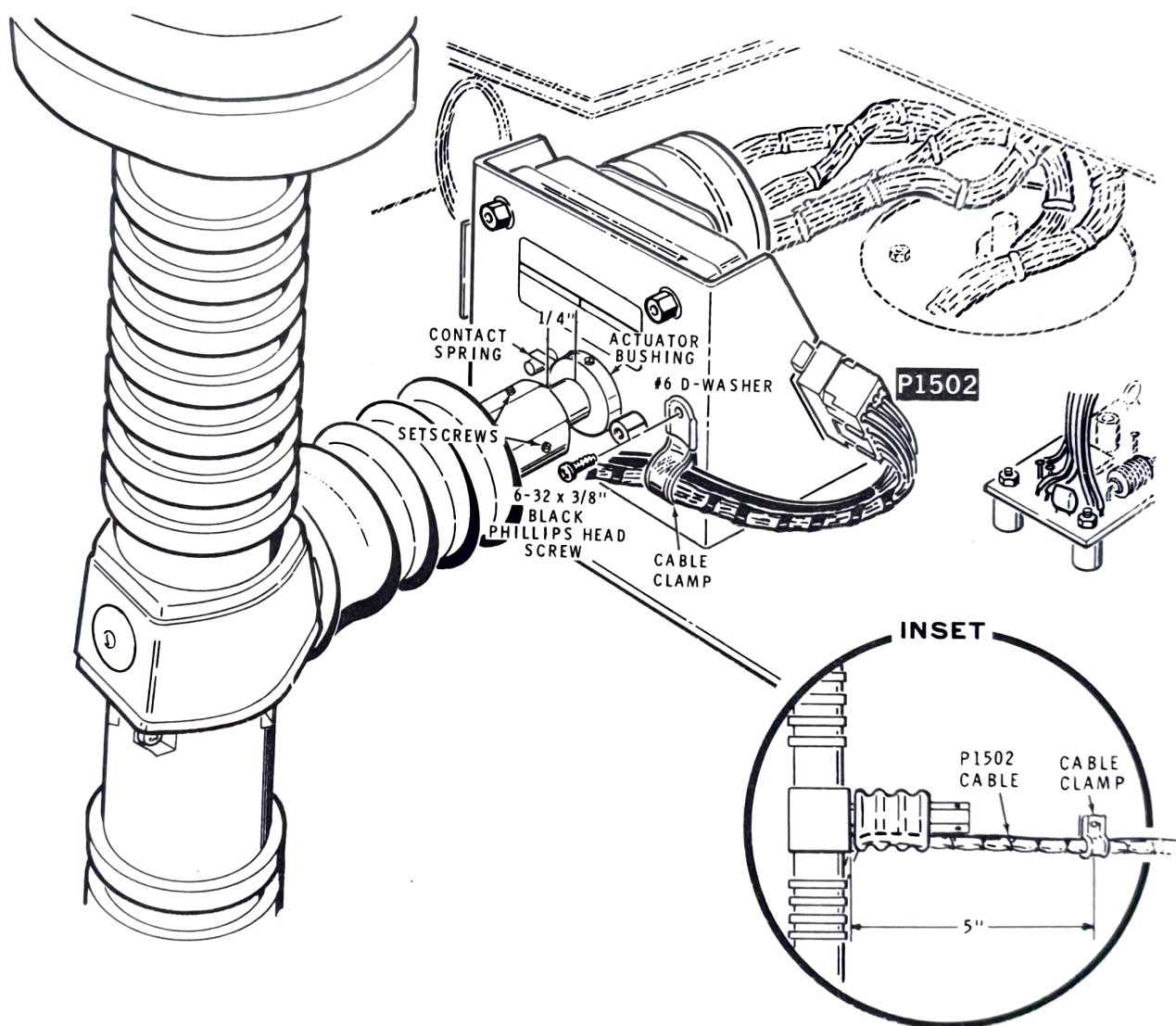


FIGURE 5

Heathkit®

MOUNTING AND ADJUSTING THE ARM

The arm mounts on the shaft extending from the bracket at the back of the head. The head panel must be off to mount the arm. Refer to Figure 5 for the following steps.

- Remove the cable clamp and D-washer from the bracket and place the clamp on the arm cable, 5" from the arm body. See the Inset drawing in Figure 5.
- Loosen the setscrew in the actuator bushing so the bushing turns freely on the motor shaft.
- Loosen the setscrews in the arm, if necessary, and slide the arm onto the shaft. Then, turn the arm clockwise until the gripper is straight up.
- Reinstall the cable clamp and D-washer; then plug in connector P1502. Note the position of the ridges in the two connectors.
- Slide the arm outward until you can see the flat on the motor shaft. Then turn the arm counterclockwise until either setscrew is over the flat.
- Slide the arm onto the shaft until about 5/16" of shaft is exposed and tighten the setscrew onto the flat. Then tighten the other setscrew.
- Note the position of the arm and rotate the actuator bushing so its spring contact is at a right angle (90°) to the arm. Then tighten the setscrew in the actuator bushing.

CAUTION: Do not attempt to manually rotate the arm after it is secured to the shoulder motor shaft. Damage to the arm is sure to result.

If, after you "initialize" the Robot later in this Manual, you find the arm is not in the down position, you can readjust it by loosening the actuator bushing, moving the arm to the desired position, and re-tightening the actuator spring against the contact post.

INSTALLING OR REPLACING BATTERIES

Batteries in Base

Refer to Figure 6 (Illustration Booklet, Page 2) for the following steps. The body panels must be off to install the batteries.

- Remove the plate at the lower back of the Robot, if it is in place. You can use the nutdriver to help remove the four 6-32 nuts.
- Refer to the Figure and position three batteries next to the base.

WARNING: Do not let the battery terminals touch any bare metal or wire. This could cause a short, ruining the battery and possibly welding it to the metal.

- Connect the wires from the Robot to the batteries. Make sure you have the correct color wires connected to the + and - battery terminals.
- Carefully slide the two batteries that are connected together up into the battery bracket. The area above the batteries has insulating paper applied, so you do not have to worry about shorting the battery terminals against it.
- Place the third battery in the battery bracket.
- Replace the plate across the back of the battery bracket.

This completes the installation of the base batteries.

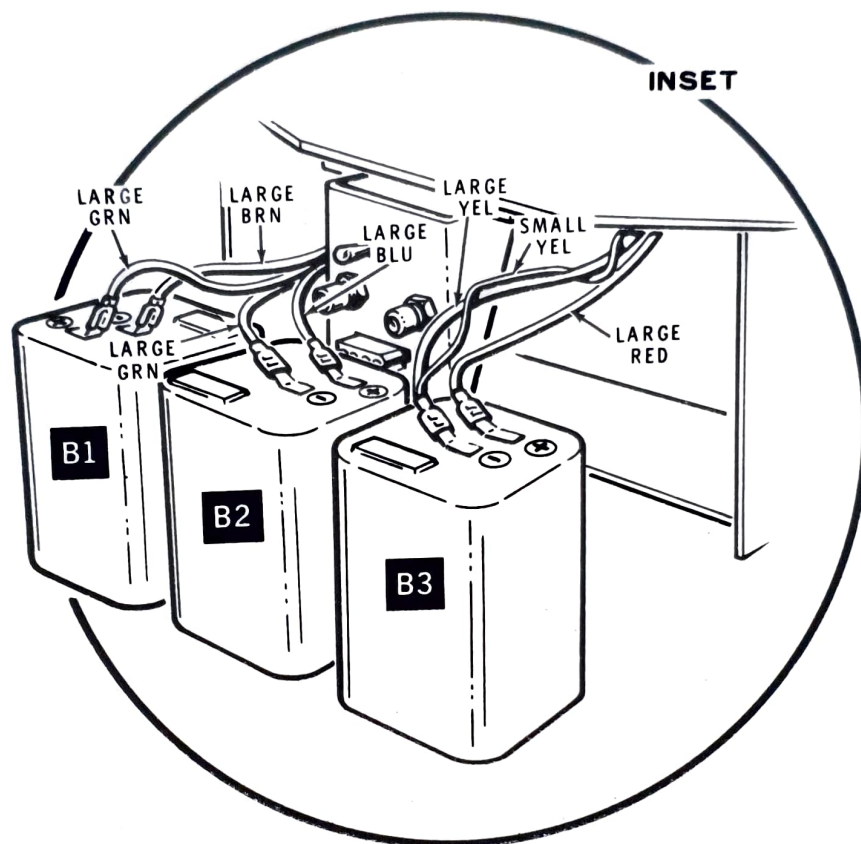


Figure 6