



**Direct Plug-In Electric Screwdriver  
Model AE-2015  
Operations Manual**

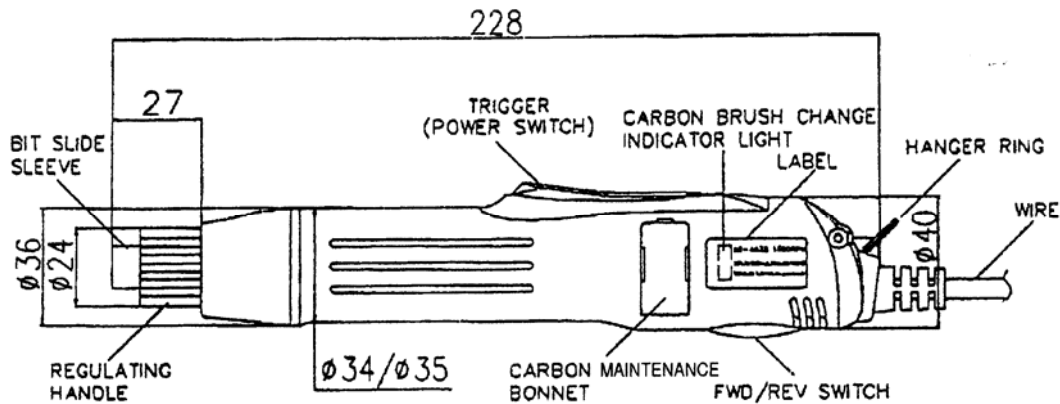
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# Outline

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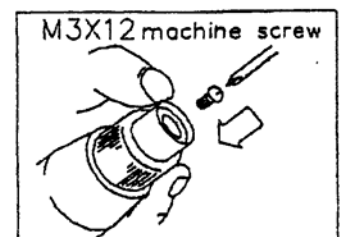
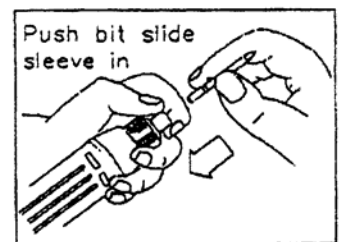


## Before Using

- **Check voltage.** Please read the label on the product exterior and the manual thoroughly before using the screwdriver, and make sure to correctly determine the screwdriver's voltage requirement (115VAC). Only plug the screwdriver into an outlet with the correct voltage.
- **Check for suitable torque range.** Choose a screwdriver model that matches your required torque range. To lengthen product life, avoid using screwdrivers at maximum torque over long periods.
- **Check that the carbon maintenance bonnet is closed tightly.** If the bonnet or spring connector have come loose, the motor will automatically cut off. The screwdriver will operate only after they have been correctly reassembled. If the power cord is in any way damaged, unplug the screwdriver immediately and exchange it for a new product in order to protect against shocks or fire caused by a short circuit.
- **Check the workplace.** Although this product features dual insulation, to ensure safety, do not use it in damp or high-temperature environments or near flammable materials. Keep the power cord away from tools and equipment that might damage or melt it.
- **Caution:** When plugging or unplugging the power cord, make sure to hold it by the plug. Never pull the power cord.

## Usage and Cautions

- **Driving and removing screws.** To drive a screw, set the forward/reverse switch to the FWD position. To remove a screw, set the switch to the REV position. (**Caution:** Never change the switch position when the motor is running!) Release the trigger (power switch) and change the position after the motor stops.
- **Torque setting.** Set the torque level by rotating the regulating handle. Turning it clockwise into the casing will increase the torque and turning it counter-clockwise out of the casing will decrease the torque. (**Caution:** The markings on the regulating handle are for reference only and do not indicate torque output. Actual torque can only be determined with a torque-testing machine.) If you have difficulty removing screws (reverse setting), increase torque by turning the regulating handle clockwise into the casing.
- **Inserting the bit.** Push the bit slide sleeve down with your finger and insert a suitable bit. When the bit slide sleeve is released, the bit will become engaged. If the bit wobbles during operation, remove it, rotate it 30 or 180° and reinsert it as shown at right. (**Caution:** Never force the bit in or out.)



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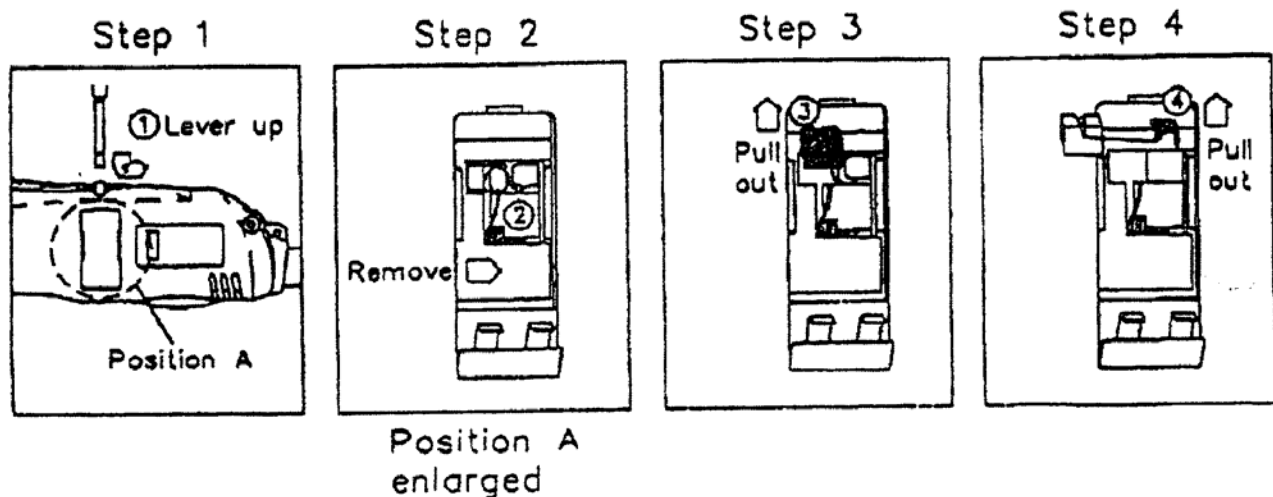
## Outline (cont.)

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- **Inserting and removing single or double-ended 1/4" hex bits.** If the bit to be used is 1/4" single-ended hex bit (double-ended bits can be used normally), first insert the M3X12 round head machine screw supplied with the screwdriver into the bit opening and screw it in, as shown on the previous page (optional).
- **Hang securely.** During non-operation, the screwdriver should be hung up securely to prevent it from falling and also to protect the power cord from sudden pulls.
- **Starting and stopping the motor.** Press the trigger (power switch) down to start the screwdriver and release it to stop.

### Important Points

- If the clutch slips when screws are fully tightened (i.e., clicking sound is not heard when torque is reached), immediately release the trigger (power switch) to prevent the motor from burning out (due to continued power flow while it is not operating).
- If the screwdriver is operating for a long period or if excessive current surges are experienced, the screwdriver may overheat. In this case, it will switch off automatically. When the heat has dispersed, normal operation can resume.
- **Changing the Carbon Brush.** When the carbon brush change indicator lights up red, change it as described below. (**Caution: Always unplug the screwdriver before changing the brush!**) Only use the factory specification brushes provided with the screwdriver as replacements.
  1. Insert a slotted bit with a 3.0mm wide, 1.0mm thick head in the slot on the side of the carbon maintenance bonnet and lever it up, opening the bonnet.
  2. Remove the spring resting on the carbon brush.
  3. Lift the copper wire attached to the carbon brush and pull the brush out.
  4. Pull out the tip of the copper wire and complete the removal.
  5. Insert the new carbon brush following the above steps in reverse order.



### After Use

- **Storage and Maintenance.** If you do not plan to use the screwdriver for a long period, unplug it or switch off the power source. Store the screwdriver in a dry, dust-free place, away from direct sunlight. Inspect and maintain it periodically to ensure continued functioning.
- **Repair.** If the screwdriver is not operating normally, do not attempt to disassemble it. Contact AIMCO.



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