

Slot Machine Arm Kit Installation Instructions

Read the complete set of instructions before starting the installation. If you do not understand some of the steps or you feel uncomfortable doing the installation yourself, then get help from a friend.

You will require the following tools to complete the installation (if you do not have some of the required tool, borrow them from a friend or neighbor).

1 and 1/4 inch hole saw
5/16 inch wood drill bit
electric drill
1/2 inch open end wrench
slotted screw driver
small Robertson screw driver (yellow handle)

We have clearly identified the main parts with letters: A, B, C, T etc. When we refer to letter in the instructions, you should have no difficulty finding the proper part.

1. The first thing you need to do examine your machine. Open the door and check the location of the hopper. The arm kit takes up about an inch of space on the inside of the right hand side wall of the slot machine. You will have to remove the hopper to do the installation but there must be enough clearance for you to replace the hopper once the arm kit has been installed.
2. Remove the hopper. Sometimes there is a small screw installed in front of the hopper to prevent it from moving during shipping. If this screw is present, remove it first. Many have a wiring harness attached to the hopper. Look for the white plastic end. It will be either attached to the hopper or it may be attached in the area near the on/off switch. There is a small tab on the white plastic end that you depress with your thumb and slide the white plastic assembly off. Next slide the hopper straight out and set it aside. On some machines you can simply depress the white plastic tab marked (Push) on the front of the hopper and pull the hopper out.
3. Some Japanese slot machines have a transformer that was installed to allow your slot machine to operate on 110 volt house current. Sometimes these transformers are mounted beside the hopper either on the bottom or right hand inner wall of the slot machine. It may have to be moved if it interferes with the mounting of the arm kit. The transformer is held on by 2 screws and there should be sufficient wire attached to it so you can mount it up on the side or back wall of the slot machine out of the way after your arm has been installed. Now check the inside right wall of the slot machine to see if there is anything else that may need to be moved or removed before you start the installation. The inner right wall should now be flat and free of obstructions.

4. The next step is to determine the best location for the arm. You can put it at any height you like but remember that Japanese slot machines are smaller and lighter than the "Vegas" style slot machines. A lower position (about 6 inches from the bottom) and in the center of the side is preferred. This will prevent the machine from tipping when the handle is pulled. It is also a good idea to bolt or fasten your slot machine to the table or stand that it is sitting on just to be safe.
5. Now measure 6 inches (or the distance you have determined if different) up from the bottom of the right outside wall and draw a small line near the center of the side. Then measure the width of the outside wall at that point (6 inches). Divide this measurement in half and mark it on the side. This is the center point of the 1 and 1/4 inch hole that you will need to drill to accommodate the bronze bushing (B) and the main assembly (A). Use the inside mounting plate (T) as a template to properly mark the locations for the main assembly hole and also the 4 bolt holes. The template (mounting plate) has 3 regular bolt holes around the center and one that is further out. This odd hole should be at the top and nearest the back of the slot machine. Make sure the template is square with the bottom of the machine when marking the holes. (Fig. 1) Remove the template and drill the large center hole first. This must be drilled as straight as possible. If you feel uncomfortable doing it yourself, then ask someone for help. Do not drill any other holes until you have first drilled the 1 and 1/4 inch center hole. Locate the bronze bushing (B). Slide it into the 1 and 1/4 inch hole from the inside. There is a flange on the bushing that will not allow it to go all the way through the hole. Once you have completed that, reposition the template over the 1 and 1/4 inch hole. Make sure the bronze bushing is visible evenly through the template hole and mark the location for the other 4 bolts. Remove the template and drill the other 4 holes with a 5/16 inch wood bit. Again drill all the holes as straight and carefully as possible. This will make the rest of the assembly a snap.

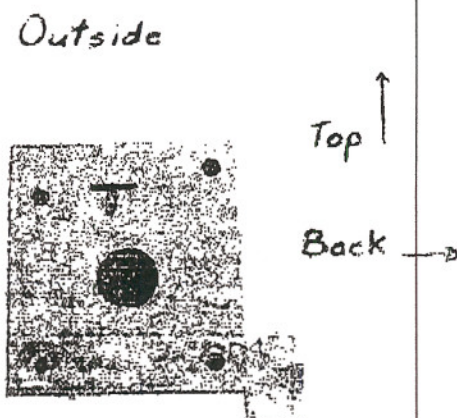


Fig 1

6. Now you are ready to install the kit. Push the four inch 1 and 1/2 inch bolts through the other holes you have just drilled. Do not worry that they will not go in flush. They will be drawn in as the nuts are tightened on the inside. (Fig. 2)

Inside

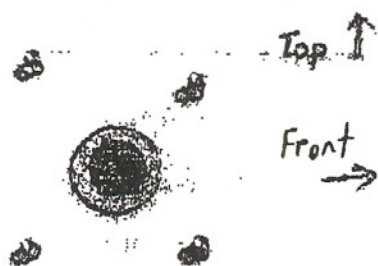
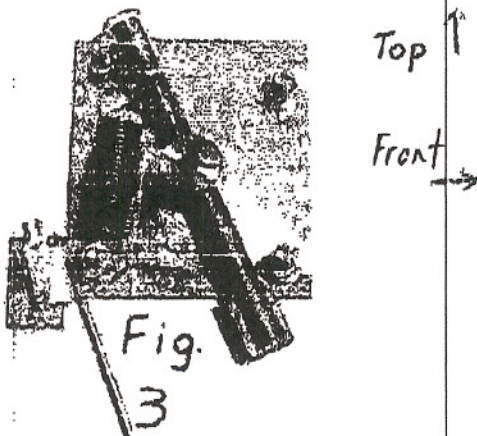


Fig. 2

7. Place the mounting plate over the 4 bolts that are protruding through the inside of the machine. The odd hole goes toward the back on top. Place the 4 lock washers over the 4 bolts and start the 4 nuts. Hand tighten the nuts until they are snug and then finish tightening with the 1/2 wrench. Tighten them until the head of the bolts are flush with the outside of the case and the nuts are snug. Screw a second nut on the top inside bolt but do not screw it all the way down. Slide the clear plastic 3/4 inch sleeve over both nuts. This acts as a cushion when the arm springs back.
8. Next take the main shaft and stopper assembly (A) (already assembled) and slide it through the bushing (B) from the inside out. The stopper shaft should be vertical between the four bolts with the cotter pin head facing the top back of the slot machine.
9. Hook one end of the spring through the cotter pin head from the top down and slide the other end of the spring over the bottom back bolt. Now screw the remaining nut over this end of the spring and hand tighten until snug. Use the 1/2 inch wrench to tighten the nut. It should only take one or 2 turns.
10. Installing the switch that starts the reels. NOTE: If we have not done this for you then you may want to attach the loose ends of the wire to the slot machine harness before installing the start switch. This involves finding the proper wires to connect to. There are many variations so you will have to do some testing. With the slot machine door open, locate the toggle (spin) switch on the front of your machine. Inside there will be a short 3 wire harness running from the inside of the toggle switch to the inside panel. Where it attaches to the panel you will see 3 small silver touch points. Each of these points is attached to one of the 3 wires. Only 2 of these wires are used to start the machine. It will usually be the center and left wire or the center and right wire. To find out which 2 are correct you need to turn on the machine and insert a

coin or token. Using a small flat screwdriver, touch the center and left touch points together. If the reels start spinning then these are the two correct wires. If nothing happens, touch the center and right touch points together. This should start the reels. If they do not repeat the process for both sides making sure you only touch 2 points at a time. Also check that the metal end of the screwdriver is clean. If the reels still will not start then Email us and we will help you. The best way to attach the wires to the slot machine is by soldering. You need to strip each of the slot machine wires in the center and solder the loose ends of the switch wire to them. It does not matter which wire goes where. Use electrical tape and tape one connection and then tape the two connections together. You can use one of the included tie wraps to hold the three wires together for a nice clean look. Feed the wire and switch around the inside of the back of the case and out to the area of the arm. There are 2 small pre-drilled holes in the bottom inside corner of the mounting plate that match the holes in the switch. It may help to tap a sharp object like a small nail or ice pick through the holes. This will allow the two small screws to start easily. Position the switch over the holes with the black writing showing and the metal actuator facing down. (Fig 3). Screw in the screws until snug. Do not over tighten or it will crack the plastic switch case. Use the other two small ties to attach the wire so there is enough slack to open and close the door and to make sure it does not interfere with the hopper or any other components.

Inside



11. Now turn your attention to the outside of your machine. The 1/2 inch hole for the arm should be facing up with the side of your slot machine. Locate the chrome arm, black plastic cap and black slotted bolt. The arm installs with the top curved section of the arm facing out from the side of the slot machine. Place the cap over the one inch shaft and line up the 7/16 inch hole in the cap with the 1/2 inch hole in the shaft (A). (If it does not line up, the inside assembly may not be pushed all the way through) Slide the arm through the hole in the cap and into the hole in the shaft. Look through the

small hole in the outside of the cap and slide the arm down until the threaded hole in the arm lines up with the hole in the end of the shaft. Slide the slotted bolt through the hole in the end of the cap and into the hole in the main shaft and screw it into the threaded hole in the arm. This procedure is a little tricky and you may need a third hand to help line everything up properly. Use a flat screwdriver to tighten the screw until the screw is flush with the cap and the cap is almost touching the side of the machine. Do not over tighten or the cap will drag on the outside of the slot machine and the arm will not operate properly. If there is a gap between the cap and the side of the slot machine, you will have to remove the main shaft (A) and slide the round spacer (C) over the main shaft (A). Slide the shaft back through the bronze bushing. The spacer should be against the inside wall of your slot machine. Re-install the arm and cap.

12. Re-install the hopper. With the door still open, pull the arm and make sure it does not touch the hopper and there is no drag anywhere. Turn your slot machine on and insert a coin or token. Pull the arm. The reels should start and the arm should return to its starting point.

13. Enjoy your slot machine!

Thank you

NOTE: Step 10: Some of the newer Pachislo machines have different wire configurations and may not exactly conform to the general instructions given. For example, if the wiring harness on your machine has 5 orange wires, the second and third wire from the left side of the harness will start your reels. If you are still unable to find the 2 wires that start your reels spinning, contact your arm kit retailer for specific instructions.

ADDITION: 2 butt-splice connectors have been included with this kit as an alternative to soldering the wires in Step 10. Follow the instructions in Step 10 for locating the 2 wires that start the reels spinning on your slot machine. Remove the little round red cover of the butt-splice connector with a pair of pliers. Then remove the small silver piece of metal from the inside of the red cap. Now, instead of stripping the wires and soldering; cut 1 of the 2 wires and stick both ends of the wire into the outside holes of the butt-splice connector. Push them in as far as they will go. Then stick 1 of the wires from the switch included in the kit into the center hole of the butt-splice connector. Now that you have all 3 wires in the butt-splice connector place the little metal piece that was removed from the cap across all 3 wires. It will fit into 2 little grooves. Then, with a pair of pliers pinch the little metal piece until it pierces all 3 wires. Replace the little red cap and repeat this procedure for the other wire. If the reels don't spin when you pull the handle then the little metal piece is not piecing all 3 wires, so pinch it again with your pliers.