

The following coils can be replaced without removing the entire mechanism.

LATCH COIL (ITEM 10A, HORIZONTAL) REPLACEMENT:

1. Unsolder the 2 wires attached to the coil (Item 10A). *Note which wire goes to which lug.*
2. There are 2 screws securing the Coil Retaining Bracket (Item 7A) which secure the Coil and Plunger (Item 12C) to the mechanism (Item 3). Remove the screws and bracket.
3. Remove the Coil and Plunger. Note the position of the Spring Washer (Item 9).
4. Use a long nose plier to remove the Retaining Ring (Ref. under Item 13B) from the end of the Plunger.
5. Remove the Washer (Item 13B) and Spring (Item 14A) from the end of the Plunger. *Note the that the spring goes on the plunger with the large side towards the coil.*
6. Remove the Plunger from the coil.
7. Reassemble components on new coil. Use a new Coil Sleeve (Item 11C), if necessary.

SCOOP (VUK or POPPER) COIL (ITEM 10A, VERTICAL) REPLACEMENT:

1. Unsolder the 2 wires attached to the coil (Item 10A). *Note which wire goes to which lug.*
2. There are 2 screws securing the Coil Retaining Bracket (Item 7A) which secure the Coil and Plunger (Item 12A) to the mechanism (Item 3). Remove the screws.
3. Remove the Coil and Plunger. Note the position of the Spring Washer (Item 9).
4. Remove the Spring (Item 14A) from the end of the Plunger. *Note the that the spring goes on the plunger with the large side towards the coil.*
6. Remove the Plunger from the coil..
7. Reassemble components on new coil. Use a new Coil Sleeve (Item 11B), if necessary.

COMPLETE MECHANISM REMOVAL:

1. Remove the Car platform as outlined in **CAR REPLACEMENT** (opposite page).
2. Under the playfield, disconnect the 2 cable connectors that attach to the mechanisms electronics (coils and switch wiring).
3. Remove the 5 screws (Ref. under Item 1) that attach the mechanism to the playfield. Because of the weight of the mechanism, 2 of these screws go into T-Nuts on the top of the playfield. ***Be carefull on reassembly to note where these two screws go.***
4. Remove the mechanism from the playfield.

SLIDING STRUCTURE REMOVAL AND ADJUSTMENT:

1. Remove the complete mechanism from the game as outlined above.
2. Remove the two Nylon Stop Nuts (Ref. under Item 6) from the left top side of the slider bar.
3. Remove the Retaining Plate (Item 6).
4. Remove the two bushings (bearings) (Item 5) that are in the slider channels of the Scoop (VUK) Bracket (Item 1).
5. Remove the entire slider plate mechanism.

Special Note >> TECH ALERT! << on re-assembly:

- 5R. Place the slider plate back in its retaining groove on the right side and over the two locking studs on the left side (Ref. view of Item 5).
- 4R. Place a small amount of magnalube or other light teflon grease on the centers and perimeter of the bushings (bearings). Place them in the channels.
- 3R. Put the Retaining Plate (Item 6) in place.
- 2R. Put on the two Nylon Stop Nuts. Tighten until they just bottom the plate on the bushings **>> THEN BACK OFF THE NUTS 1/2 TURN.** This clearance is VITAL to ensure the bushings rotate freely!
- 1R. Reinstall mechanism on game.

