

TMS-940 (FNS-9/40 ASSEMBLY GUIDE)

TM18271998

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ENSURE YOU HAVE ALL THE REQUIRED PARTS



Figure 1: Layout of parts



Figure 2: Complete assembly

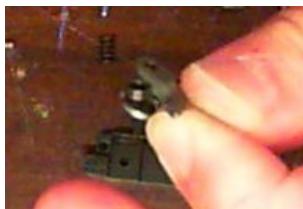
You should have each of the following (from left to right, top to bottom):

- Trigger assembly
- Sear
- Sear spring
- 2x sear pin
- Sear carrier
- Trigger return spring
- Right-hand side fire control housing
- Left-hand side fire control housing
- Disconnector spring
- Disconnector
- Trigger return retention pin
- Housing bracket
- Roll pin

ASSEMBLE THE STRIKER ENGAGEMENT ASSEMBLY



Begin with taking the sear, and partially inserting one of the sears.



The rotational spring has a long arm, and a shorter arm that has a bend.

The sear has a hole for the bend in the spring arm to be inserted.



Align the sear and spring into the striker carrier.

Be sure that the arm of the sear is *under* the ledge of the striker carrier.



The sear should be able to pivot down (and spring back up) in the sear carrier.

Your striker engagement assembly is complete.

ASSEMBLE THE TRIGGER HOUSING ASSEMBLY



Place the striker engagement assembly into the right-hand side of the trigger housing.

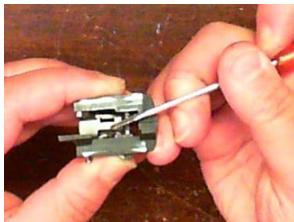


Place the left-hand side of the trigger housing onto the right-hand housing.



The disconnector has a small compression spring that goes into its rod.

Place the spring into the rod. Insert the disconnector with the ledge facing upwards towards the rail into the housing.



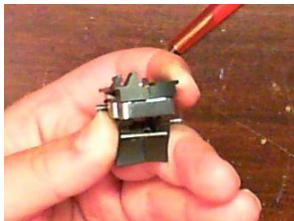
While holding down the disconnector into the housing, take a tool to press down the sear's pivot- this will allow the disconnector to engage into the housing.



Take the housing bracket, with the off-set arm on the left-hand side, and insert it into the rear of the housing.



From this point on, you need to carefully hold the assembly together.



Take the smaller silver pin, and thread it through the trigger return spring.

Pull the string up and out of the rear of the housing, then press the bar through so it sits on both sides.



Seat the pin into the pocket of the housing assembly.



Attach the trigger to the bottom pin of the sear.

The fire-control module is complete.

INSTALLING THE MAGAZINE RELEASE



Clean up the inside edges of the mag catch slot using your filament cutters and stick, and insert the mag catch.

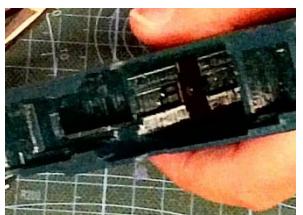
The traction lines should be on top, going towards the slide.



Take the Z-spring, and find the side that the edges twist up towards, this side will face the inside of the magwell.



Push the spring with the help of a flathead screwdriver into the lower slot below the catch, it may slip several times out, use a finger to hold it.



Use a wider tool like a pin punch, flat-head, or long allen key to push the Z-spring up in the slot. Push until it is fully in the slot of the mag catch.



Test the mag catch, move it in both directions, insert a magazine to test if it will hold. Remove when done.

INSTALLING THE TRIGGER ASSEMBLY AND SLIDE-RELEASE



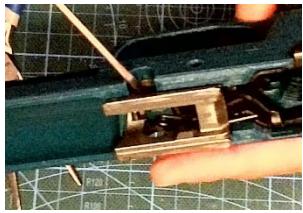
Now start the main part by attaching the trigger to the rear assembly via the lower pin. The upper pin is a guide pin. Push it in the back slot, align the hole, and hammer the large roll pin inside.



Place the slide lock over where the trigger is...



... and place the slide lock spring over it, hold it in place.



Jam the locking block over the trigger and slide catch, all the way until the trigger pin hole is aligned....



...then push the trigger pin through the right side, groove end first.



Align the slide lock and trigger, push the pin through.

Are you still holding that spring? Using a 90-degree pick tool or a tiny rod, push the hole of the pin down to align it.

Push the trigger pin against something since you only have 2 hands to jam the spring into the sidewall. Align further and push pin all the way. This is the hardest part.

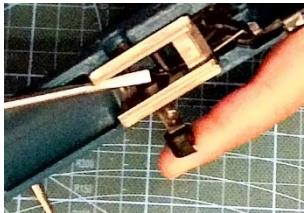
If the spring falls over, pick it out from the front of the locking block, then shove it back through the rear near the groove in the slide lock.

WARNING!! Do NOT install the front locking block pin yet!

PREPARING FOR A FUNCTION TEST



Get the disassembly lever and push it through the left side, when it hits the slide lock spring, use a rod, tool, pin, or anything else to push it out of the way.



Once the lever passes the spring, rotate the lever so the rounded edge contacts the spring, push all the way through.

Re-rotate the lever to seat it the rest of the way. You may need to use something like a pick tool to push the spring into the groove of the disassembly lever.



Flip the lever down, take your assembled slide, slide it all the way back, lock it with the slide lock, and flip the lever back. Preform a function test and insert the magazine.

INSTALLING AND COMMITTING THE FRONT LOCKING BLOCK

Align the front of the locking block, hammer in the front pin. Find the side of the pin with more wear and push it through the side it can somewhat fit through.

- Grab a big hammer, secure the frame, and beat that pin in.
- I found that I could slightly expand the hole by beating in a 2.5mm roofing nail, then yanking it out with a vise-grip, do this with the locking block alone in a vise.
- Do not use a 2.5mm or larger drill bit to ream the hole, this front pin is meant to stay in place using pure friction, and it is not a roll pin.
- Ideally, you can use a vice with soft-jaws on the pistol side to push the pin in.

Perform one last full function test- if your pistol passes, it is now ready for use. Congratulations.