

Turnstile conversion

Fail-safe to Fail-secure

As standard, the turnstiles of Geran Access Products B.V. are equipped as Fail-safe. This means that the turnstile fully releases in both directions in the event of a power failure. In some cases, this is not desirable and special kits have been designed to convert a turnstile from fail-safe to fail-secure. Fail-secure means that the turnstile is not released in the event of a power failure.

Below is an illustration of which parts are needed for conversion:



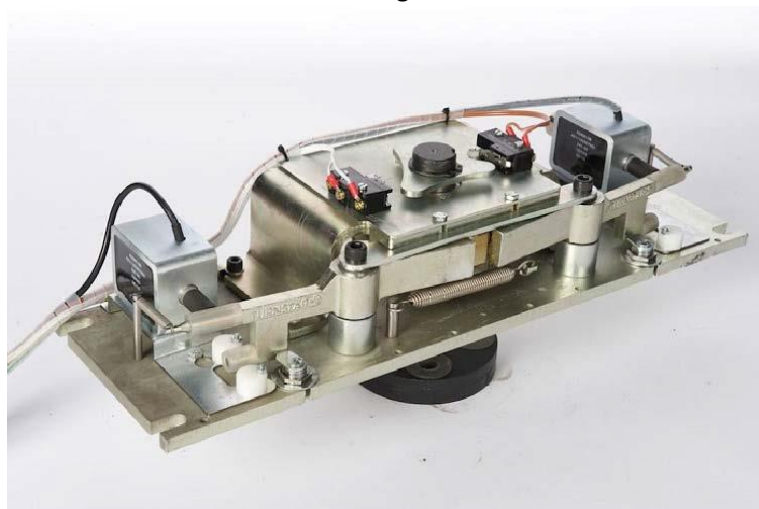
Conversion kit Fail-Secure (FSEC-CONKIT)

Brief description of how to convert the fail-secure version to fail-safe:

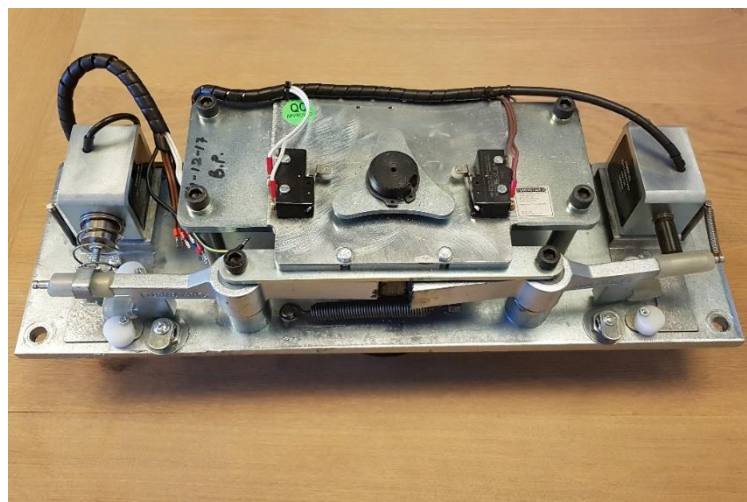
- Step 1: Switch off the power supply.
- Step 2: Remove the small tension spring from the locking arm on the solenoid to be disassembled
- Step 3: Dismantle the solenoid from the side to be converted
- Step 4: Remove the plunger in the solenoid
- Step 5: Unscrew the black plastic cap from the top of the plunger
- Step 6: Turn an M6 nut on the thread all the way until you can go no further
- Step 7: Grind or saw off the excess threaded part
- Step 8: Unscrew the nut and file off the sharp edges if necessary.
- Step 9: Mount the solenoid rotated 180 degrees on its mounting plate
- Step 10: Insert the plunger with the screwed-in new fail-secure spring pack back into the coil
- Step 11: Slightly widen the opening of the head of the fail-secure package
- Step 12: Slide the widened head over the rubber part of the blocking arm
- Step 13: Check that everything moves back and forth smoothly and without resistance.
- Step 14: Adjust the Turtl to the correct setting of the converted solenoid (see Turtl manual)



Plunger

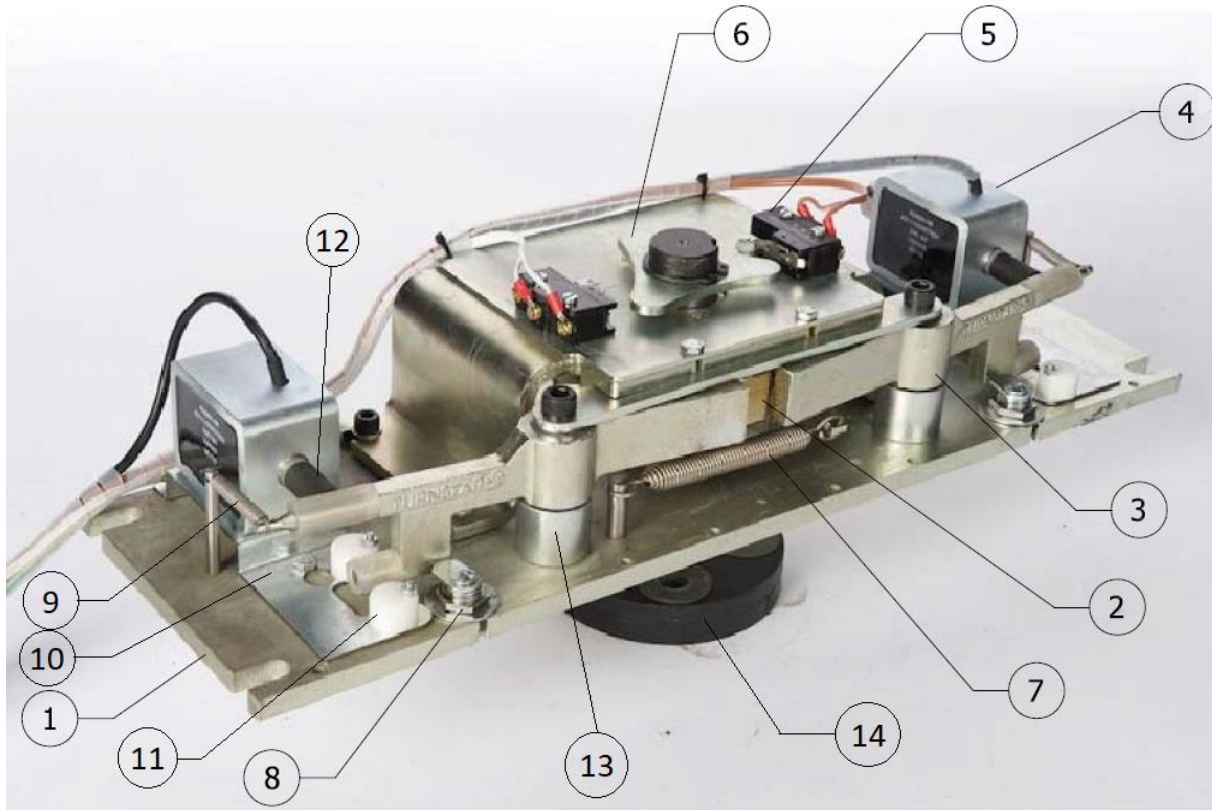


Fail-safe on both sides



Fail-secure (left in picture) combined with Fail-safe

Parts inside Turnstile



- 1: Base plate
- 2: Locking wheel (from a 3, 4 or 5 arm it is different)
- 3: Blocking arm
- 4: Solenoid
- 5: Limit switch
- 6: Operating cam limit switch
- 7: Tension spring (for rest position)
- 8: Lock
- 9: Small tension spring
- 10: Mounting plate solenoid
- 11: Maximum end stop
- 12: Plastic cap
- 13: Adjustment eccentric
- 14: Swivel cross attachment