

ERA MPL



Fig 1: LH Shooting Bolt



Fig 2: RH Shooting Bolt

First generation ERA MPL has a passivated yellow case, second generation has a silver case. 35 & 45 mm on single and split spindle. There are a number of faults that occur with the main gearbox:

Fault 1: Broken Lever Return Pack. Profile cylinder unlocks but handle fails to disengage bolt and hook cases. Handle may only go down no more than half way. Cause is debris that has fallen behind the bolt carrier which needs to be removed.

Figure 1: The white circle is approx the position that the debris collects. Remove handles and drill through to case at **20mm Up & 6mm back**. **At this measurement it should always be inside the handle footprint**. It may be possible to extract the debris through the slot or it may have to be widened with the drill bit.

Figure 2: RH Shooting Bolt has no convenient slot so drill an **8mm hole 20mm Up & 10mm back**. **Check that the position is within the handle footprint, if not then consider angle drilling**. There is a plate, which can be seen in Fig 3, the one with the diagonal slot in it, that can obscure the debris if you haven't gone far enough back.

Warning: Drill through carefully. Don't bend this plate as it will stop the mechanism from sliding up.



Fig 3: Cam Follower



Fig 4: RH Side Cam Follower

Fault 2: Split cam follower. Profile cylinder turns freely without engaging cam follower. See Fig 3, the cam follower can split at the position of the arrow. This leaves the forward part of the follower behind and prevents the mechanism from operating.

On LH cases drill through to expose the case at **9mm Up & 10mm fwd** which will reveal the slot marked with the blue circle in Fig 1. Push the square pivot back to unlock, the door should now open using the handle.

On RH cases Fig 4. Drill through at **5mm Up & 12mm fwd** to reveal the reciprocal square pivot, push back and open door using spindle.

Fault 3: After drilling as for fault 1 if there is no debris in the channel then it may be stripped teeth on the spindle cog/return spring pack, push upwards to disengage bolt. Insert screwdriver under sliding plate at the back, as described in Fault 1 Fig 3.