	Part Name / Description: 1001183 Door Reinforcement Kit, P2 Upper Door Lock	Instruction #: OP100038	Page 1 of 5
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		Revision No. 1	Approved By: S.Ditner

Use this procedure to repair Platinum 2.0 doors where the panel is broken or the inserts have pulled out in the area of the door latch mechanisms. There are two kits available:

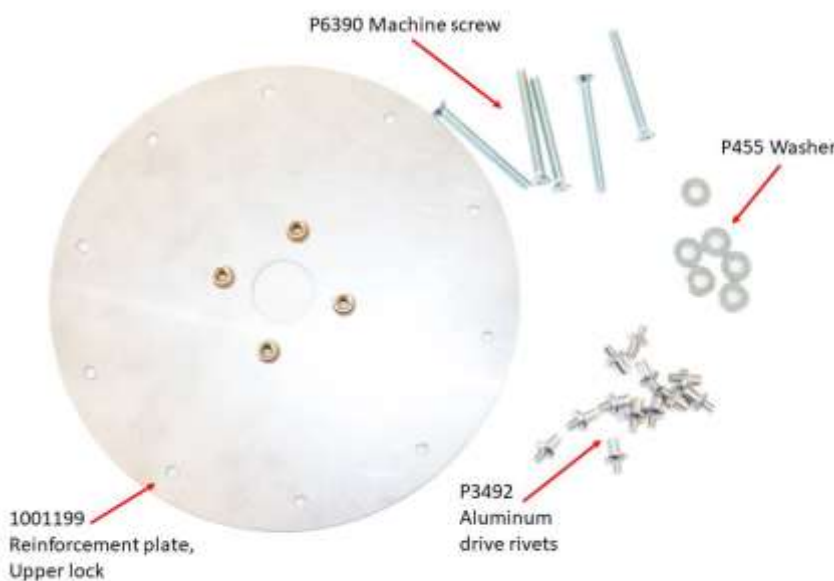
- 1001182 Handle Door Lock Reinforcement kit
- 1001183 Upper Door Lock Reinforcement kit

If both kits are required for one door, install the kits at the same time and consult the procedures enclosed.


Upper Latch Assembly





1001183 Door Reinforcement Kit, P2 Upper Latch

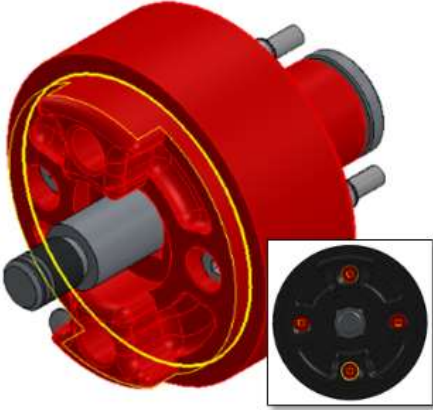





Part #	Qty	Description
10001199	1	Reinforcement Plate, Upper Lock
P3492	12	Aluminum drive rivet
P455	6	½" washer
P6390	5	Machine screw



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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
<p>Step 1</p> 	<p>Remove the existing door mechanism as follows:</p> <p>A. Disconnect the connecting rod from the lower door mechanism, by removing the B10071 standoff.</p> <p>Note: If the lower latch does not require reinforcement, the connecting rod may be left in place on the lower latch.</p> <p>B. Remove the B09159 acorn nut, B01247 washer and P6435 hex nut from the hinge pin.</p> <p>C. Remove the B10064 pivot piece by sliding off the hinge pin. Remove the washer underneath.</p>	<p>Wrenches</p> <p>Wrenches</p>	<p>Throughout: Safety glasses Gloves where necessary</p>




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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
	<p>D. Remove the 4 screws in place through the door latch B10069 fixed housing and remove the housing. Remove the B10072 hinge pin.</p>	Screwdrivers	
<p>Step 2</p> 	<p>Clear any broken pieces of FRP from the foam, and remove the existing threaded inserts from the door panel.</p>	Flat screwdriver Pliers	
<p>Step 3</p> 	<p>Remove the silicone between the door panel and the extrusion adjacent to the door latch area, on both the front and rear of the panel.</p>	Knife	
<p>Step 4</p>	<p>Clean the surface fully with a lint-free rag.</p>		

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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
Step 5 	<p>Apply silicone to the rear side of the 1001199 reinforcement plate (contains the threaded inserts).</p> <p>Tuck the plate into the gap in the extrusion, and adhere over the door latch area, on the rear of the door, taking care to align the holes.</p> <p>Note: the flush side of the inserts should face away from the FRP panel.</p>	Caulking gun	
Step 6 	<p>Apply a clamp to the reinforcement plate to hold in place while the silicone cures. Use a wood block on either side to protect the plate and door.</p> <p>Note: It may take several hours for the silicone to become cured enough to proceed, depending on the room temperature and humidity.</p>	Clamp Wood blocks	
Step 7	<p>If the lower latch also requires reinforcement, please consult PROCEDURE and complete before re-installing the door latch mechanism.</p>		

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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
Step 8 	Reinstall the mechanism following the reverse procedure from Step 1. Note: Replacement fasteners (P6390) have been provided for attaching the fixed housing. P455 washers should be placed between the fixed housing and the door reinforcement plate. **Torque on these fasteners should not exceed 32 in-lbs (3.6 N·m)	Screwdriver Wrenches	
Step 9 	Drill out the FRP layer only in each of the holes around the edge of each reinforcement plate.	Drill DRILL BIT SIZE?	
Step 10 	Insert an aluminum drive rivet into each hole and set in place with a hammer.	Hammer	
Step 11	Ensure the door latch is working smoothly.		