

OUTSWING

Installation Instructions for Outswing Full Door Interlocking Latch Protectors

<p>Tools Required:</p> <ul style="list-style-type: none"> • Drill • Drill bits: <ul style="list-style-type: none"> - 3/16" - 9/32" • Step-drills (step-bits) - Rivet tool - Allan or hex key wrenches - 3/16" • Level • Hammer 	<p>Optional Tools:</p> <ul style="list-style-type: none"> - 3/16" concrete drill bit - Hole saws - High speed die grinder and carbide burrs - A 4 to 6 foot length of 2 x 4 or 4 x 4 - C clamps - Measuring tape 	<p>Hardware Included:</p> <ul style="list-style-type: none"> - Interlocking latch protector, one female plate and one male plate - 6 of 1/4 x 1-1/2" X20 Zinc carriage bolts - 6 of 1/4 x 20 JCN Nickel or Bronze - 6 of 3/16" pop rivets - Foam packaging material
<p><u>Before proceeding with the installation be sure to inspect the door, frame, pivots, hinges, hardware and thresholds for damage, wear, fitment, or misalignment.</u></p> <ol style="list-style-type: none"> 1. Remove all handles, locks, or other hardware from the door. If you are working on a door that is equipped with an electric strike or strike plate that protrudes from the frame we recommend that you check with your local distributor and install a flush mount strike. 2. Affix male plate to the exterior of the door frame with the rivets supplied. Drill two 3/16" holes in the male plate of the interlocking device, one each approximately 1" from the top and 1" from the bottom, you will find the 2 X 4 or 4 X 4 handy for this. Place the male plate on the exterior frame centered between the top and bottom of the door and set back approximately 3/8" from the door edge of the frame. This will prevent interference with a dead latch system. Using the hole already drilled at the top of the male plate as your template; drill a 3/16" hole into the top of the door frame. Using the pop rivet tool, install one of the 3/16" rivets supplied into this hole to secure the top of the male plate on the door frame. Place the level on the edge of the male plate and upon ensuring the male plate is plumb, drill another 3/16" hole into the door frame, using the previously drilled hole at the bottom of the male plate as your template. Using the pop rivet tool, install one of the 3/16" rivets supplied to secure the bottom of the male plate to the door frame. You may now proceed to drill four more 3/16" holes; equal distances apart between the top rivet and the bottom rivet and install the remaining rivets. 3. Measure door bolt holes for door handle. Measure and record the distance from the top of the door to the centre of the blind nut insert hole(s) for the door handle that you removed at the start. Mark these positions on the female plate but be sure to compensate for any overhang of the plate past the leading edge of the door. You may now drill through the female plate using slightly oversized holes in the plate to allow for final fitment adjustments when reinstalling the handle. 4. Affix the female plate on the exterior of the door. With the door closed, centre the female plate over the male plate. <i>To assist with centering we recommend placing one or two layers of the foam material that was supplied as part of the packaging material. Place the foam material over the male plate and press the female plate firmly over the male plate.</i> Ensure that the female plate sits comfortably between the top and bottom of the door. Take note whether the female plate fully covers holes where locksets or deadbolts will be reinstalled. 	<ol style="list-style-type: none"> 4. Affix the female plate on the exterior of the door using the foam material supplied. (continued) If the female plate will not cover these holes in their entirety, carefully mark their locations on the female plate, remove the female plate from the male plate and again, using the 2 x 4 as a base, clamp the female plate securely to the base and using the appropriate sized step-drill or hole saw, drill the relief(s) for the lockset and/or deadbolt into the female plate. <i>Be sure to drill the relief(s) large enough to allow the female plate to fit around the hardware.</i> Also at this time you should use the 2 x 4 base to drill two 5/16" holes in the female plate, one each approximately 1" from the top and 1" from the bottom of the plate, positioned to ensure they can be used to bolt through the door. <i>Be sure to check the area of the frame where you intend to install the through bolts to be sure there are no ribs, weather stripping or hardware that the through bolts would interfere with.</i> Ensuring the door is closed and again using the foam supplied, reattach the female plate to the male plate and check that everything is correctly aligned. With everything correctly aligned you may now drill the top and bottom 5/16" holes fully through the door from the exterior to the interior. <i>Caution should be used to hold the drill level and square to the door to ensure proper mounting of the through bolts.</i> From the exterior of the door, insert one of the carriage bolts supplied and connect to one of the JCN nuts supplied and tighten firmly with your hex wrench. <i>All bolts, when installed, should be flush with the face of the female plate.</i> You may now proceed to drill the other four 5/16" holes fully through the female plate on the exterior of the door to the interior of the door; equal distances apart between the top bolt and the bottom bolt and if possible, aligned with the rivets used to mount the male plate. Insert and install the remaining bolts and JCN nuts. <i>Check to be sure that the installation of the through bolts will not interfere with the final fitment and operation of any hardware to be reinstalled.</i> From the interior side of the door, use the existing mortise hole to drill a pilot hole through the female plate with a step-drill or hole saw. Complete the hole required to remount the mortise cylinder from the exterior side of the door. <i>Remember to deburr the mortise cylinder hole you have made.</i> 5. All original hardware that was removed from the door at the beginning of this procedure may now be reinstalled. Please check all hardware to ensure that everything is working properly. <p>Notes:</p> <ul style="list-style-type: none"> • As everyone is aware, the variety of doors that may be encountered in the marketplace are far too many to list here and this product may not be suitable for every door out there. It is usable on most conventional doors and these instructions have attempted to address the most common. Some doors may need repair before this product is installed or may be beyond repair sufficient to allow installation of this product at all. • Frontline recommends that anytime a steel interlocking latch protector is installed that a continuous hinge be installed. You may find that other doors should also have this type of hinge installed. - To protect the integrity of the full door latch protectors, touch up paint is recommended for all holes. • Some doors may have other hardware attached not addressed here. 	

Our Outswing Installation Video can be found on our website: www.frontlinedefense.com