

Installation Instructions for LJ-3075 Flush Mount Kit

1. Drill a 1" hole in the rail bottom centered 1 3/4" from the end. Drill a 1/2" dia. clearance hole in the end of the rail 15/16" up from the bottom and a minimum 2 1/4" deep. Chisel a flat spot where the flange nut will seat. (Hole locations can be marked with the T-92 Rail Bolt Installer Tool).

2. Drill a 5/8" hole a minimum of 1" deep in the newel face. Chamfer the edge of the hole using the L.J. Smith 5/8" flare bit, or use a 1" spade bit (if using a 1" spade bit, it should be used *before* drilling the 5/8" hole). Drive the Threaded Insert into the newel using the Insert-Runner™(3085) until it is just beneath the newel surface. Be sure the end of the Threaded Insert that is slotted goes into the newel and the oval opening is facing out.

3. Insert the special bolt into the rail end and install the flange nut up inside of the 1" dia. hole. Push the bolt end back into the 1/2" dia. hole until it is flush with the end of the rail.

4. Align the pin in the bolt with the oval opening in the Threaded Insert and slide the rail into position on the newel face. Push the bolt into the insert with a twisting motion from inside the 1" hole. Use needle nose pliers or a wrench on the flange nut to rotate the bolt clockwise and engage it in the newel insert. When engaged, tighten the nut with the Rail Bolt Installer (T-92) or a 1/2" box end wrench. Note: This locking nut will tighten with a little effort.

Tools Needed: 1" Spade Bit, 1/2" Spade Bit or 3/8" Twist Bit, 5/8"x3" Flare Spade Bit, Insert-Runner™ (3085), Rail Bolt Installer (T-92) or 1/2" wrench.

