

Installation Instructions

Joint System: 787-A01

**DO NOT OVER TIGHTEN
REFER TO FIGURE 5 INSTRUCTIONS**

Note: Verify that the structural gap is in conformance with submittal data before beginning installation. If this is a Fire Rated Assembly, install the fire barrier before the Architectural Joint System. Refer to the fire barrier instructions for specific system installation.

For installations subject to non-conditioned applications, a thermal gap is required between the end-to-end connections of the frames and covers. When installing in warm conditions (ie- 75F / 22C or greater), the covers can abut eachother directly, however during cooler weather installs (70F / 21C or less), the recommended gap width between frames and covers is 1/8" (3mm) min. Prior to installing the next frame in sequence, apply polyurethane sealant (By Others) to the end of the frame / cover before seating the next profile.

FIG. 1

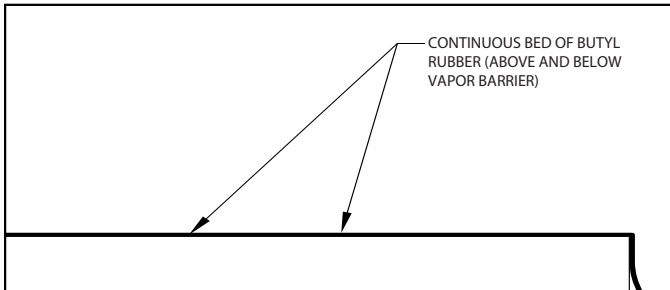


FIG. 1A

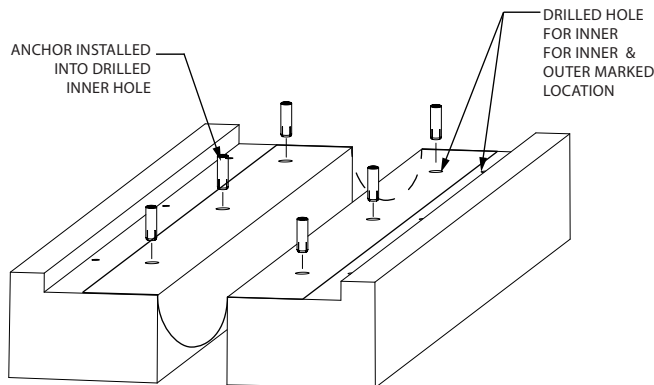
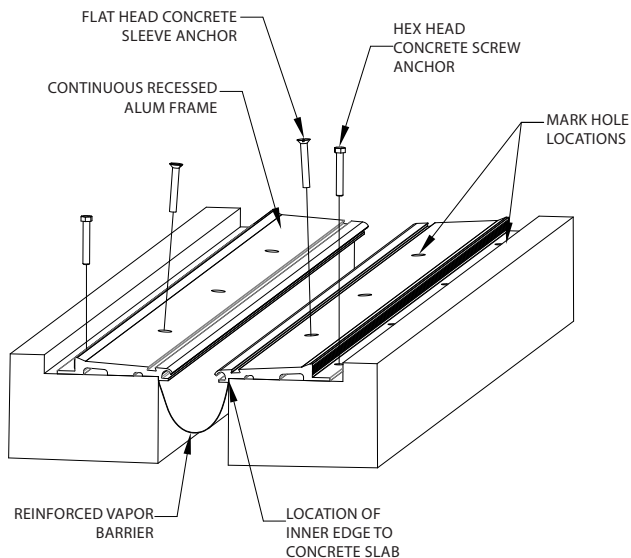


FIG. 1B



1. Install the architectural joint system on a level surface within the blockout. The top of the aluminum frame should coincide with the finish floor. This may require adding leveling compound to raise the tops of the frames.

Figure 1

2. Clean the top of the blockout thoroughly, then apply a bed of butyl or polyurethane sealant. Reference official Reinforced Vapor Barrier (RVB) instructions online to properly address pitch, seams and changes in direction. Set the EPDM and ensure membrane is set to the back of the blockout on both sides allowing it to drape down into the gap (Fig. 1).

3. Place the recessed aluminum frames with the inner edge of the recessed frames location as shown.

4. Note there are two sets of holes- countersunk holes in the middle of the frame closer to the joint, and straight holes in the outer profile. Each set of holes require different drill depths. Using the frame as a template, use a 3/8" [9.5mm] concrete bit (not included), drill to a depth of 1 1/2" [40mm] for the inner holes (*pilot holes), and 2 3/4" [70mm] for the outer set (*final holes) from the top of the frame. (Fig. 1a)

5. Remove the recessed frames from the blockout.

6. Using a 1/2" [12mm] concrete bit (not included) drill out the inner set of holes (closest to joint) to a depth of 1 5/8" [42mm]. Vacuum and blow out the holes to remove all debris and dust.

7. Place the drop-in anchors (JK214) and seat to bottom of hole. Insert the supplied setting punch (JKSS24-2) and hammer down sharply 4-5 times to set the internal plug securely. Return frames to original position.

8. Secure frames in place using the 3/8" [9.5mm] hex head concrete screw anchors (JK173) for the outer holes within the blockout.

9. Next, install the 3/8" stainless steel flathead screws (JK214) into the anchors for the middle portion.

IPC.1562/REV.10

JOINTMASTER® Expansion Joint Systems

inpro.com • 800.222.5556 • 262.679.9010

World Headquarters S80 W18766 Apollo Drive, Muskego, WI 53150 USA

Installation Hotline: 866.394.6776

inpro®

Installation Instructions

Joint System: 787-A01

DO NOT OVERTIGHTEN
REFER TO FIGURE 5 INSTRUCTIONS

FIG. 2

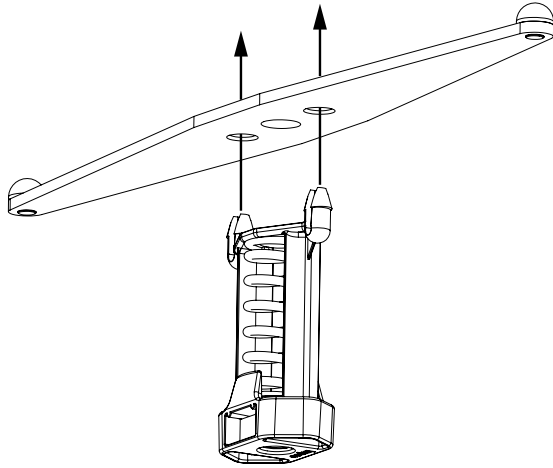


Figure 2

10. Assemble Centerbar & Spring Clip: Spring Clip should be installed opposite the Centerbar pins, with the tangs (located on top of the SpringClip) going into the holes with the angled edge.

FIG. 2a

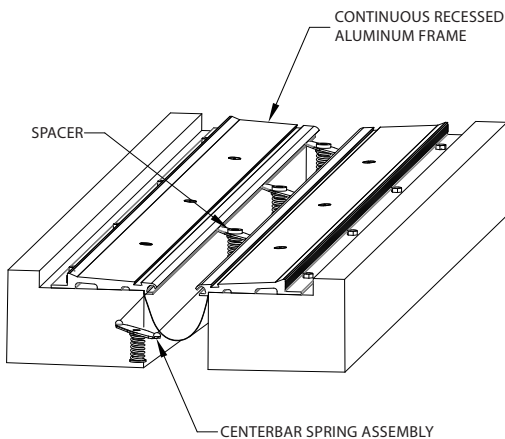


Figure 2a

11. Slide the centerbar spring assembly in the recessed frames. 7 per 10' (3 meters) frame 18" (457mm) on center. Locate each centerbar spring assembly directly in line with each countersunk hole in the aluminum cover plate. At the last section slide the correct quantity of centerbar spring assemblies in the recessed frames before mounting to the concrete slab.

Suggested: Secure placement of spring centerbar assemblies with a piece of tape or backer rod.

12. Black spacer application: One spacer per centerbar spring assembly. Apply instant glue to the bottom of the spacer. Immediately attach the spacer to the top of the centerbar spring assembly. Ensuring spacer is centered over the thru hole.

FIG. 3

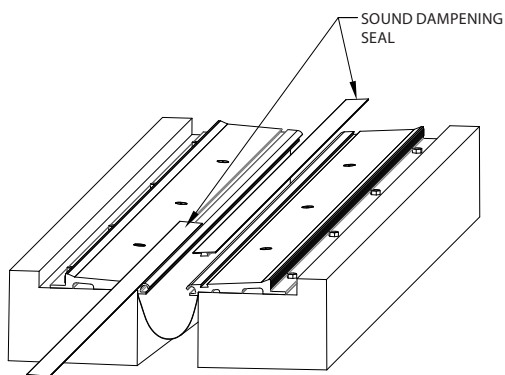


Figure 3

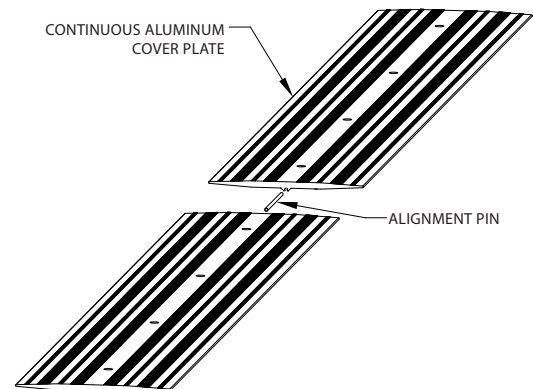
13. Slide or press the sound dampening seal in the dovetail groove. 10" (254mm) & 12" (304mm) 787 systems have 2 dovetail grooves for seals.

Figure 4

14. Apply instant glue in the alignment pin groove 3" (76mm) in from the end. Immediately push the alignment pin 3" (76mm) in the aluminum cover plate.

15. Take the next section of cover plate and push on the alignment pin so both cover plates are together.

FIG. 4



Installation Instructions

Joint System: 787-A01

DO NOT OVER TIGHTEN
REFER TO FIGURE 5 INSTRUCTIONS

FIG. 5

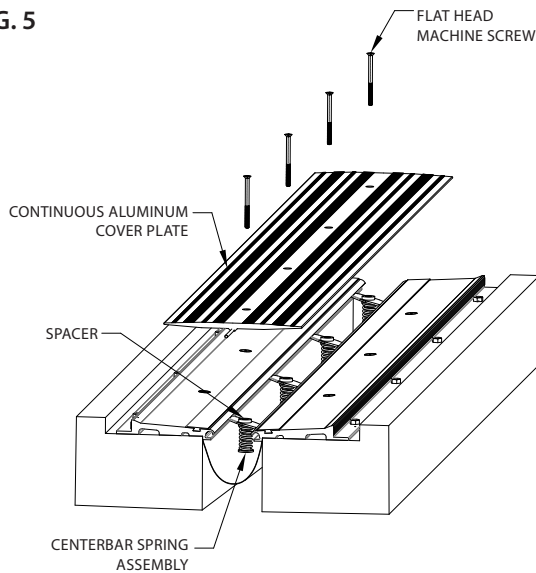


Figure 5

16. Place the aluminum cover plate countersink over each centerbar spring assembly hole. Use one JK176 3/8"-16 x 4" flat head machined screw for each countersunk hole. By hand, thread thru the centerbar spring assembly until the screw is fully seated in the countersink. Mark the screw head and turn the screw clockwise 6 complete rotations. **DO NOT OVER TIGHTEN!** This provides 19# (8.6kg) of preload pressure for the spring.

Figure 6

17. Use masking tape on the concrete slab next to the blockout.

18. Backfill the blockout with elastomeric concrete level with the adjacent concrete slab.

19. Remove masking tape from the concrete slab.

20. Clean the exposed surfaces with a non-solvent cleaner, such as 409, as required.

FIG. 6

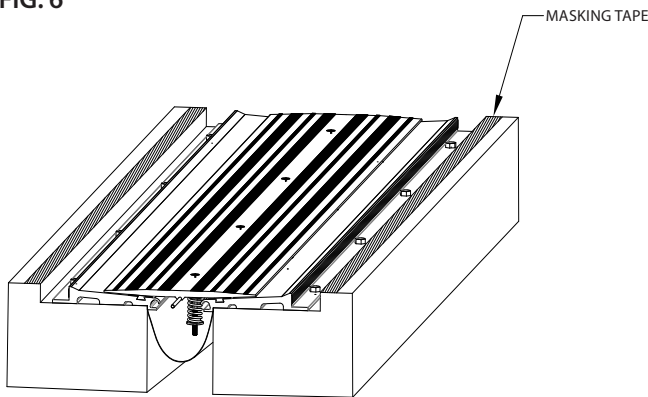
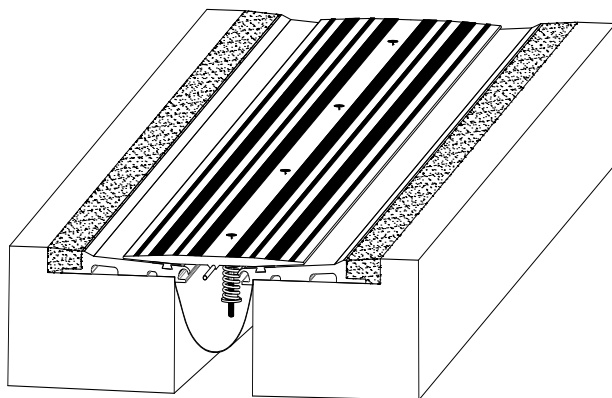


Figure 7 (787-A01 Completed installation)



JOINTMASTER® Expansion Joint Systems

inpro.com • 800.222.5556 • 262.679.9010

World Headquarters S80 W18766 Apollo Drive, Muskego, WI 53150 USA

Installation Hotline: 866.394.6776

inpro®