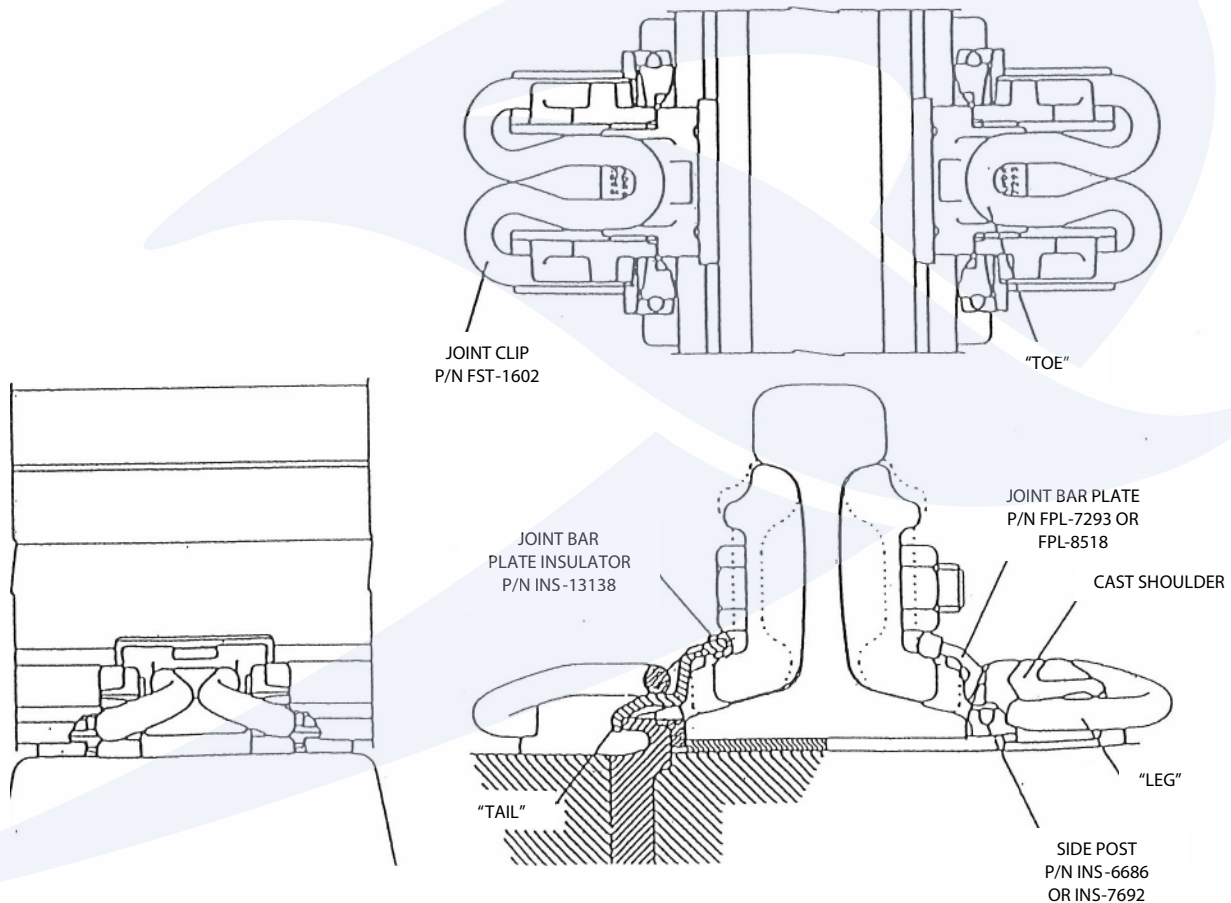


INSTALLATION INSTRUCTIONS FOR PANDROL FASTCLIP JOINT ASSEMBLIES

Once the rail has been laid and the joint locations established, the joint assemblies should be installed in the following manner:

First, completely remove the standard FASTCLIP using the clip removal tool. This clip and toe insulator can be reused in another standard application if required.

Next, place the joint bar plate onto the shoulder with the part number face up and readable from the back side of the shoulder. The "tail" of the plate should rest on the, inner edge of the shoulder allowing the nylon insulating cap to rest on the toe of the joint bar. The yellow clip should be inserted into the shoulder using the FASTCLIP insertion tool. The clip is fully installed when the legs (the portion of the clip which runs along the outside of the shoulder) touch the back edge of the side post insulator. This will put the toe (large loop) of the clip onto the joint bar plate.



- The clip will not extend onto the rail.
- The joint clip does not use a toe insulator since the insulation is provided by the joint bar plate insulator.

Full contact of the insulating cap and the joint bar is not required.

- FASTCLIP Joint Bar Fastenings are sold as an assembly. Each assembly is enough for ½ of a rail seat. Associated part numbers:

Single Stem Components: (Shown on previous sheet)

Single Stem Assembly	ASY-10219
FASTCLIP (standard)	FST-1601
FASTCLIP Joint Clip	FST-1602
FASTCLIP Joint Bar Plate*	FPL-7293
FASTCLIP Joint Bar Plate Insulator	INS-13138

Twin Stem Components:

Twin Stem Assembly	ASY-10220
FASTCLIP (standard)	FST-1601
FASTCLIP Joint Clip	FST-1602
FASTCLIP Joint Bar Plate*	FPL-8518
FASTCLIP Joint Bar Plate Insulator	INS-13138

*FASTCLIP Joint Bar plates FPL-7293 & FPL-8518 are always supplied with the insulating cap attached.

- For assembly details, see Pandrol USA drawing number 7292 for single stem and drawing number 8592 for twin stem.

