

Heels in VAE Switches

Applicability

ARTC Network Wide		Western Jurisdiction		New South Wales	✓	Victoria	
-------------------	--	----------------------	--	-----------------	---	----------	--

Audience	Main Points	Change History
Corridor/Delivery Managers Team Managers Work Group Leaders Project/Delivery Engineers Engineering Compliance Managers	New VAE switch design Old design has hidden dowel pin New switch WON'T fit Switch replacement requires switch AND stockrail replacement Plates require replacement	Adopted from RailCorp CTN 06/10

The heel arrangement for VAE tangential switches has changed.

The older design does not have anti creep chocks that join the mainline and turnout rails in the heel area. Restraint for the switch rail in this design is provided by a hidden dowel pin that sits in the plate and recesses into the underside of the rail foot. The older design can be identified by noting the absence of any kind of visible heel arrangement (See Figure 1 below).



Figure 1 - Old VAE Design for Tangential Turnouts

Issued by	Date
John Cowie, Manager Standards	08 May 2007

In the new design a heel arrangement is fitted. The plating for this is also different.

When a replacement switch or stockrail is required for the old design a complete switch & stockrail assembly to the new design must be used. The assembly will include the anti creep assembly but staff must separately order new plates for the affected area. These must be installed in accordance with the relevant drawing.

The standard design detail is shown in Figure 2 (old design) and Figure 3 (new design). For other layouts consult the ARTC Standards & Systems department.

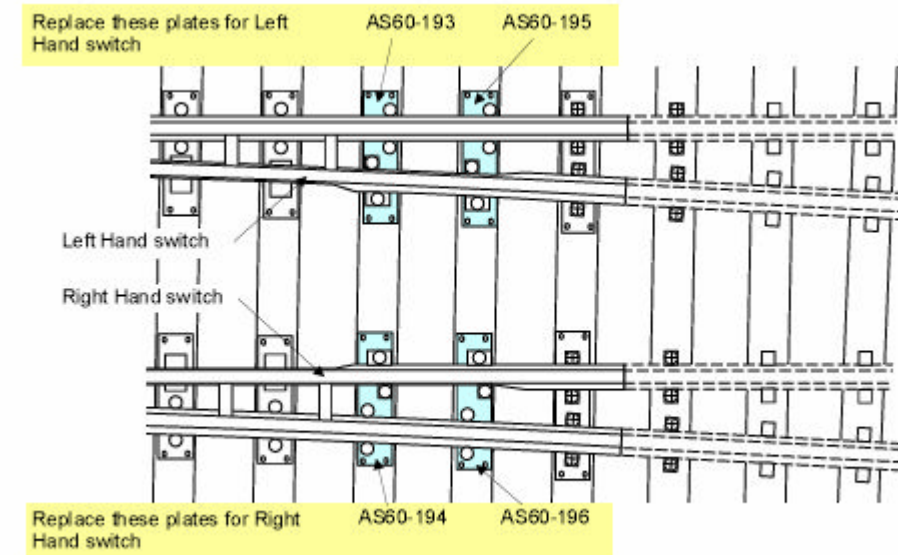


Figure 2 Old VAE switch design

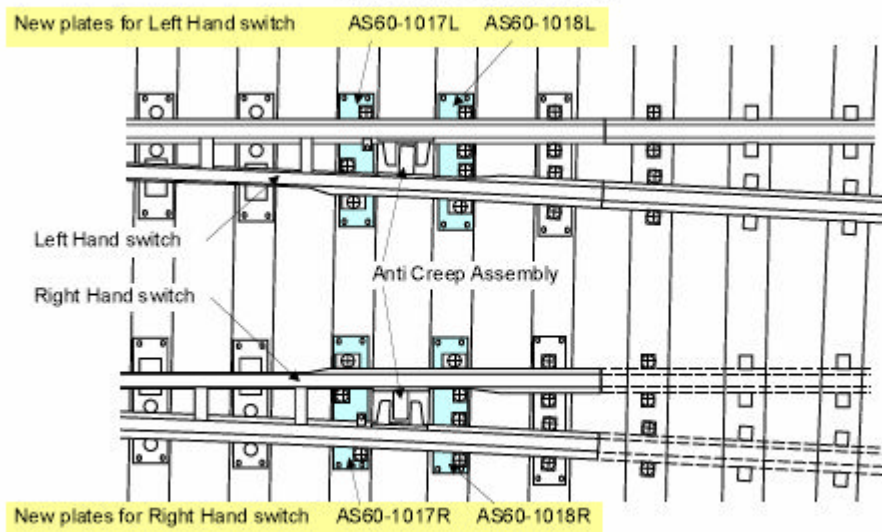


Figure 3 – New VAE switch design