

DESCRIPTION

Aperia has replaced the current stainless steel tamper-resistant bolts with new grade 8 steel bolts (see Figure 1 and Table 1).

IMPACT

This is a running change, intended to prevent stripping at the Torx interface and improve fastener reliability.

Existing bolts do not present any risk if they have been tightened to the previously communicated torque setting of 10 ft-lb, and recommended maintenance protocols have been followed (see Halo User Manual IN-100UM).

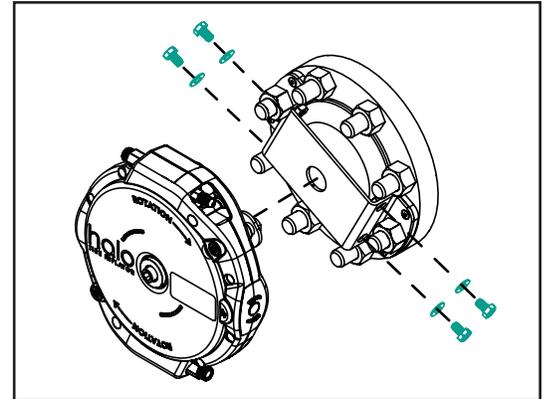


Figure 1. Updated bolts in teal

AFFECTED PARTS

All stainless steel tamper-resistant bolts are affected by this update (see Table 1), and Aperia is providing updated bolts to customers for installation during the vehicle's next scheduled maintenance.

The stainless steel bolts can be distinguished from the grade 8 bolts by looking at the surface finish and/or the presence of a nylon thread-locking patch. The stainless steel screws will have a more polished, shiny finish; while the grade 8 bolts will have a matte gray finish and a nylon thread-locking patch on the threads.

CORRECTIVE ACTION

- Replace stainless steel bolts with the updated grade 8 bolts at the next preventative maintenance.
- Take care when loosening and tightening bolts to avoid stripping Torx interface.
- Tighten grade 8 bolts to 20 +/- 2 ft-lb and check for proper torque at each subsequent preventative maintenance.

Please review the table below for the corrective action that should be taken for each bolt.

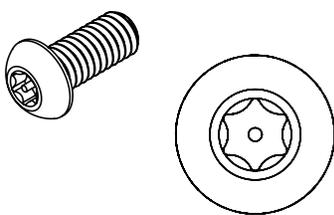
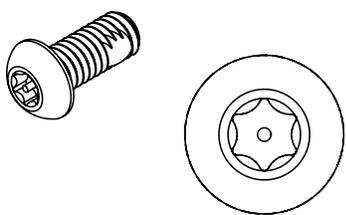
	Replace	Install
Description	Stainless Steel T40 Pin-In-Torx	Grade 8 T40 Pin-In-Torx with Nylon Thread-locking Patch
First Ship Date	09/23/2015	04/06/2017
Image		
Torque Specification	10 ft-lb	20 +/- 2 ft-lb
Status	Discontinued	Active
Corrective Action	Replace with Grade 8 T40 Pin-In-Torx provided by Aperia	Install during next preventative maintenance

Table 1. Details of Aperia issued tamper-resistant bolts and corrective actions



WARNING Over-tightening the existing stainless steel T-40 pin-in-torx bolt, or using hardware that wasn't provided by Aperia may cause Halo to detach during vehicle operation.

