

## Engine / Generator Alignment Tool

The system must be properly aligned any time that the engine or the generator mountings are loosened in order to prevent excessive or premature belt wear.

Prior to installing the belt, with the generator mounted with the serrated nuts hand tight only, push the generator to the right as viewed looking in at the APU. Secure the engine mounts if they have been disturbed. Tighten the generator mounting nuts just enough to allow the positioning of the generator.

Remove 3 bolts from the engine drive pulley. Using the bolts supplied with the alignment tool (M8 x 1.25 x 60mm) attach the alignment tool to the engine drive pulley with the opposite end of the alignment tool positioned close to the generator pulley.

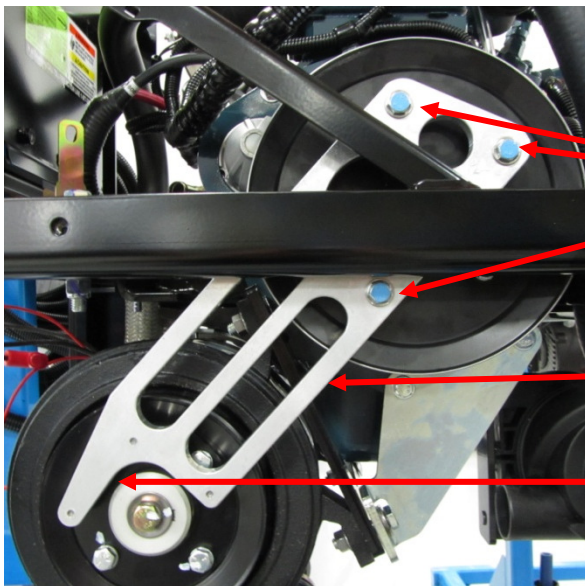


Figure 1

Remove 3 bolts

Alignment Tool

Make sure this section of the the Alignment Tool does not interfere with pulley adapter during alignment

Drive End

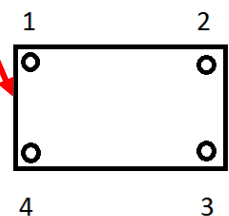


Figure 2

Carefully slide the generator to the left to bring the generator pulley face into light contact with all 3 pins on the alignment tool. Starting at the bolt located in the upper left position, evenly tighten the generator mounting bolts. With the bolts lightly tightened, verify that the generator pulley is still in proper alignment. Note that with 1 pin contacting, there should be less than 0.05 inches clearance between the other 2 pins and the pulley face. Tighten the generator mounting bolts to 40 Ft./Lbs. See figure 2.

Remove the alignment tool and reinstall 2 of the original bolts using Loctite 262 or equivalent and torque to 18 Ft./Lbs (3rd bolt to be installed after belt install).

Install the belt using the belt installation tool. Refer to belt installation instructions [IB-5105](#).