

DATE OF COMPLETION:			
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<u>Step 1:</u> Install the EX-00044C RV-12 Cyl #3 Exhaust Assembly into the right side aft exhaust port as shown in Figure 1. Start the exhaust stud nuts onto the studs but do not tighten further than the point at which the exhaust stud begins to extend beyond the end of the nut.





VAN'S AIRCRAFT, INC. \bigcirc \bigcirc \bigcirc EX-00044B-Step 1: Install the bottom cowl. Check that the exhaust pipe lines-up with the opening in the bottom MARKEDULARR MANDUNAN cowl. Adjust the side-to-side position of the muffler if/as required to achieve side-to-side alignment with the cowl opening. Enlarge the exhaust pipe opening in the bottom cowl forward or aft as required to achieve sufficient **HIGH-TEMP** opening to install/remove the cowl and to provide at least 3/4 in. [19.1 mm] clearance between the **RTV SILICONE**, exhaust pipe and the edge of the opening in the cowl when installed. 2 PL EACH SPRING When satisfied with the fit of the bottom cowl and exhaust pipe, remove the cowl and verify that all eight exhaust nuts are properly torqued. **HIGH-TEMP** Step 2: Apply a bead of RTV Sealant to the forward and aft sides of each spring as shown in Figure 1. RTV SILICONE, 2 PL EACH SPRING Applying a bead of RTV to both sides of the spring keeps it from vibrating in resonance with the engine thus causing contact wear or premature failure of the spring. Step 3: Place a small amount of RTV over the spring ends as shown in Figure 1. RTV on the spring ends keeps the spring from rotating in resonance with the engine thus causing the "hooks" on the exhaust pipes and muffler to wear EX-00044E 25







EGT-R wires coming from the aft side of the firewall.

The EGT probe wire follows the routing of the CHT-R and oil pressure transducer wires and is secured to the engine using the same tie-wraps.

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