



East 6427 Rutter Rd., Felts Field, Spokane, WA 99212

(509)535-4401 Fax(509)543-2025

S.I.L. NO. 03-560-01

SERVICE INFORMATION LETTER

FROM: JetProp LLC

18 March 2003

SUBJECT: Replacing RG-46 Batteries with RG-49 Batteries

TO: JetProp Owners

General. The RG-49 batteries have recently been approved by the FAA for installation on the JetProp. The RG-49 batteries are rated at 17 amp hours versus 12 amp hours for the RG-46 batteries. Each RG-49 battery is approximately 4 lb heavier and 1.125 inches wider than the RG-46 battery. Because they are slightly wider, the same battery cover can be used but will be moved forward approximately 1.125 inches to cover the batteries.

Mirage (PA-46-350P)

Removal. Remove the aft seat bottom cushion. Remove the rear seat bottom seat cover for easy access to the batteries. Remove the top battery cover. This cover is held in place with Velcro and has a light switch installed in the corner of the cover closest to the entrance door. Remove the switch from the cover so the cover can be moved out of the way. Now remove the vertical battery front cover just forward of the batteries and attached to the batteries with Velcro. This cover has the two adjustable vents connected with skeet tubing to the rear JetProp blower. Disconnect the skeet from the vents and move the cover out of the way. The batteries should be easily accessible. Disconnect and remove the batteries by removing the four attachment bolts attaching the batteries to the floor. Also, remove the vent lines from the batteries. The batteries can be removed now. Remove the vent fittings from the RG-46 batteries and install them in the new RG-49 batteries. Also, remove the pressure relief valves located on the outboard side of the batteries and install them in the RG-49 batteries. The orientation of the valves is important. They should be installed with the fitting pointing down as they were in the RG-46 batteries. The battery covers are held in place with Velcro. Therefore, install Velcro on the top and front of the batteries at the appropriate places to mate with the top and front covers. Since the RG-49 batteries are approximately 1.125 inches wider than the RG-46 batteries, approximately 1.125 inches of carpet will need to be trimmed off for the batteries to fit properly. Use the RG-49 batteries as a template to trim the carpet.

Installation. Now connect and install the RG-49 batteries using the same four mounting bolts to floor. Install the vent lines to the batteries. Reconnect the skeet tubing to the vertical front battery cover if the tubing is long enough. If it is too short, screw a short piece of skeet into the existing skeet to extend as necessary. Attach the front cover to the batteries with the Velcro. Now reinstall the light switch into the top battery cover and install the top battery cover in place over the top of the batteries. Reinstall the bottom cover of the seat and the seat cushion.



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Malibu (PA-46-310P)

Removal. Remove the top battery cover. This cover is held in place with Velcro. Now remove the vertical battery front cover just forward of the batteries and attached to the batteries with Velcro. This cover has the two adjustable vents connected with skeet tubing to the rear JetProp blower. Disconnect the skeet from the vents and move the cover out of the way. The batteries should be easily accessible. Disconnect and remove the batteries by removing the four attachment bolts attaching the batteries to the floor. Also, remove the vent lines from the batteries. The batteries can be removed now. Remove the vent fittings from the RG-46 batteries and install them in the new RG-49 batteries. Also, remove the pressure relief valves located on the outboard side of the batteries and install them in the RG-49 batteries. The orientation of the valves is important. They should be installed with the fitting pointing down as they were in the RG-46 batteries. The battery covers are held in place with Velcro. Therefore, install Velcro on the top and front of the batteries at the appropriate places to mate with the top and front covers. Since the RG-49 batteries are approximately 1.125 inches wider than the RG-46 batteries, approximately 1.125 inches of carpet will need to be trimmed off for the batteries to fit properly. Use the RG-49 batteries as a template to trim the carpet.

Installation. Now reconnect and install the RG-49 batteries using the same four mounting bolts to floor. Install the vent lines to the batteries. Reconnect the skeet tubing to the vertical front battery cover if the tubing is long enough. If it is too short, screw a short piece of skeet into the existing skeet to extend as necessary. Attach the front cover to the batteries with the Velcro. Now reinstall the top battery cover in place over the top of the batteries.

Documentation (Applies to both PA-46-310P & 350P)

Each RG-49 battery weights 8 lb more than the RG-46 battery it replaces. Therefore, the weight increase is 16 lb at FS 214. Update the weight and balance information in the Flight Manual to reflect the weight and balance change. Also, the equipment list should be updated and a log book entry should be made documenting the change to the RG-49 batteries. If you have any questions, contact Rich Runyon or Curtis Vandegriffe at (509) 535-4401.

Sincerely,

Darwin C. Conrad
President
JetPROP, LLC