

CAR-5010 Camloc Fairing Installation Instructions

Paint top coat on new fairings to match and install rubber molding at same location as on original parts, using 3M 1300L adhesive.

Remove existing landing gear lower and mid fairings as per 369 maintenance manual CSP-HMI-2, 32-10-00 page 404, section A.

Remove existing strut brackets from struts as follows:

1. Jack aircraft as per sec.07-00
2. Remove ABC bolts from forward and aft strut assemblies. Retain ABC hardware for reuse. Remove skid assemblies with foot assemblies attached.
3. Remove the screws that secure bottom strut bracket to struts and discard the brackets. Retain the hardware for reuse.
4. Remove the locking collars from the Huck bolts. Remove and discard the brackets and Huck bolts.
5. Remove the 4 blind rivets that secure the top strut bracket to the strut by drilling out the locking collar with a #40 (.096 dia.) bit and driving out the steel center post. Drill the heads off with a #30 (.128 dia.) bit and drive the stems out. Pull the brackets off and discard.

Install the new strut brackets (P/N CAR-5010-66) as follows:

1. Attach the lower bracket to the strut using the two screws that held the existing strut bracket to the Strut.
2. Attach the upper strut bracket to the strut by centering 1 of the 4 Mylar templates included in the kit over existing hole pattern. Mark on Mylar template location of holes. Center Mylar template on forward side of strut bracket and transfer hole placement to new bracket with center punch. Discard Mylar. Using #40 drill bit, drill 4 pilot holes in new strut bracket where punch marks have been made. Drill one #40 pilot hole up to a #30 and Cleco it into place on the strut where original bracket was removed. Drill the rest of the holes up to #27 (.142 dia.) Install bracket using the supplied CR3243-4-4 Cherry Max rivets. Remove Cleco and drill last hole to #27 and install rivet
3. Repeat step 2 for remaining upper strut brackets.
4. Re-install the skid assemblies per MM CSP-HMI-2, 32-10-00 page 907 section F.

Install the mid fairing as follows:

1. Install the mid fairing over the strut and slide it up under the fillet.
2. Install 1 or 2 Clecos in the #40 holes to hold the trailing edge together temporarily.
3. Install 1 or 2 MS20470AD3-3 rivets in place of the Clecos to hold the trailing edge together permanently.
4. Trim aft edge of mid fairing as required allowing smooth movement of the top fairing. Maintain 2 dia. minimum edge distance on adjacent rivets.
5. Touch up trimmed edge with primer, MIL-PRF-85582 Type 1 Class 2
6. Repeat steps 1-5 for remaining mid fairings.

Install the lower fairing as follows:

1. Slide the lower fairing over strut and align the mid fairing holes over the upper Camloc receptacle. Align the lower fairing Camloc fasteners over the receptacle hole in the strut brackets.
2. Using a screw driver, install Camlocs. Repeat with other 3 Camloc fasteners.
3. Install new screws, washers and nuts included in kit into the trailing edge of the fairing.
4. Repeat steps 1-3 for remaining lower fairings.

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Installation Instructions**
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CAR-5010-51A fairing replaces the CAR-5010-51

CAR-5010-51A Fairing only:

Position the -51A fairing on left, right or both forward landing gear leg struts.

Insert the - 68 trailing edge assembly over the existing attach clips.

Secure fairing and trailing edge with 6ea. camlocs and 2ea. NAS603-7 screws

Inspection Requirements

During the 100 hour inspection

1. Inspect for worn or damaged Camloc hardware and attaching rivets.
2. Inspect for elongated holes.

Inspect for worn edge rubber.

Repair or replace any worn or damaged parts.