EUROPEAN AVIATION SAFETY AGENCY
AGENCE EUROPÉENNE DE LA SÉCURITÉ AÉRIENNE
EUROPÄISCHE AGENTUR FÜR FLUGSICHERHEIT

Standard repair

Minor Skin Damage Repair in Non-Pressurized Area

Cristina Angulo
GA PCM
01 October 2013

Your safety is our mission.
easa.europa.eu

Minor Skin Damage Repair

- Based on AC 43-13-1B, section 4, Metal repair procedures

- The purpose of the repair is to recover the structural integrity of damaged stressed metal sheet coverings which are not Principal Structural Elements.

Minor Skin Damage Repair

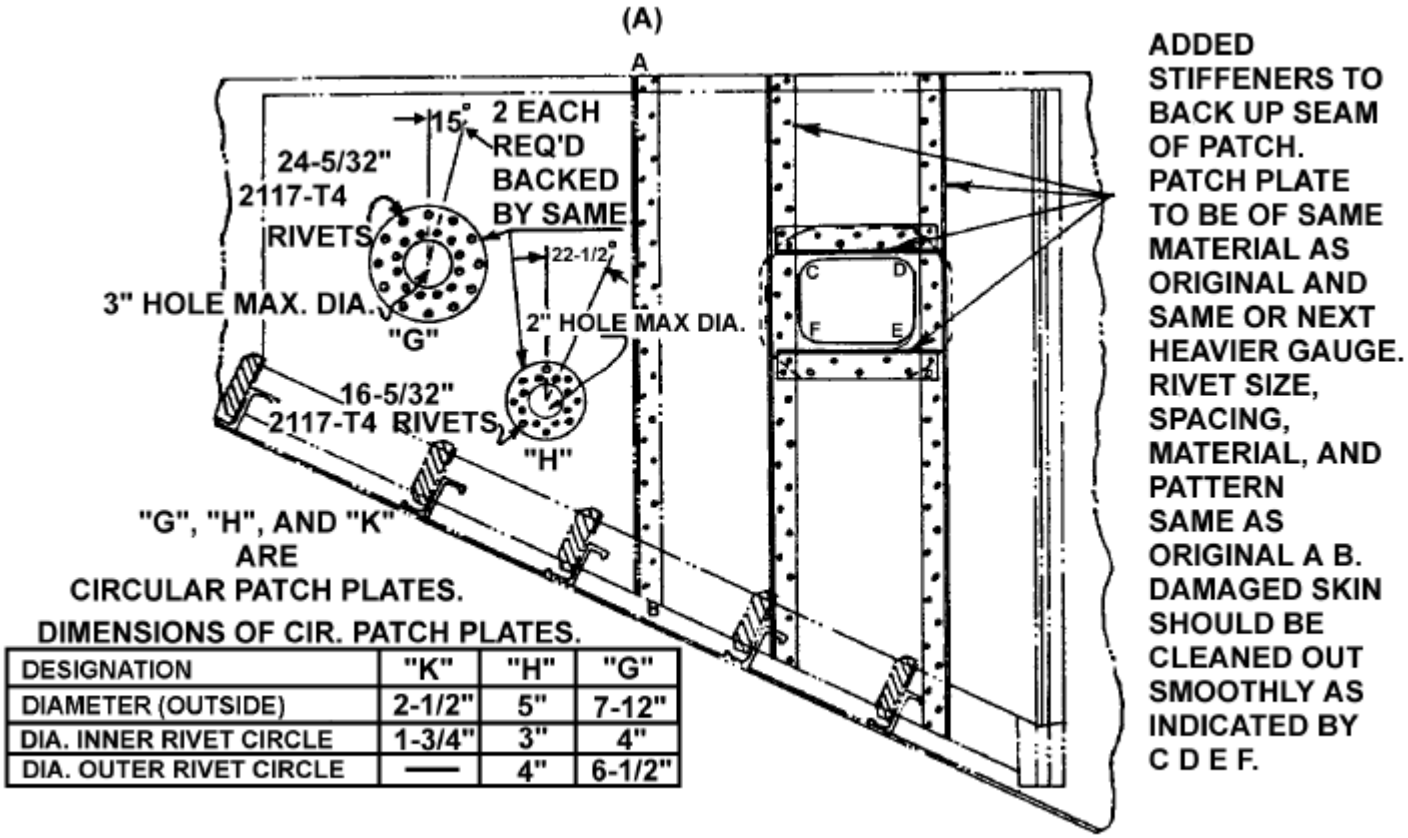
- Limited to non-pressurized aircraft
- MTOW < 5700 kg
- Minimum distances between rivets and minimum edge distance from AC 43.13-1B figures.

Minor Skin Damage Repair

- Identification of metals
- Restore strength
- Minimum stiffness change
- Corrosion protection
- Records: drawings or sketches including dimensions, materials and attaching means.

Minor Skin Damage Repair

AC43.13-1B

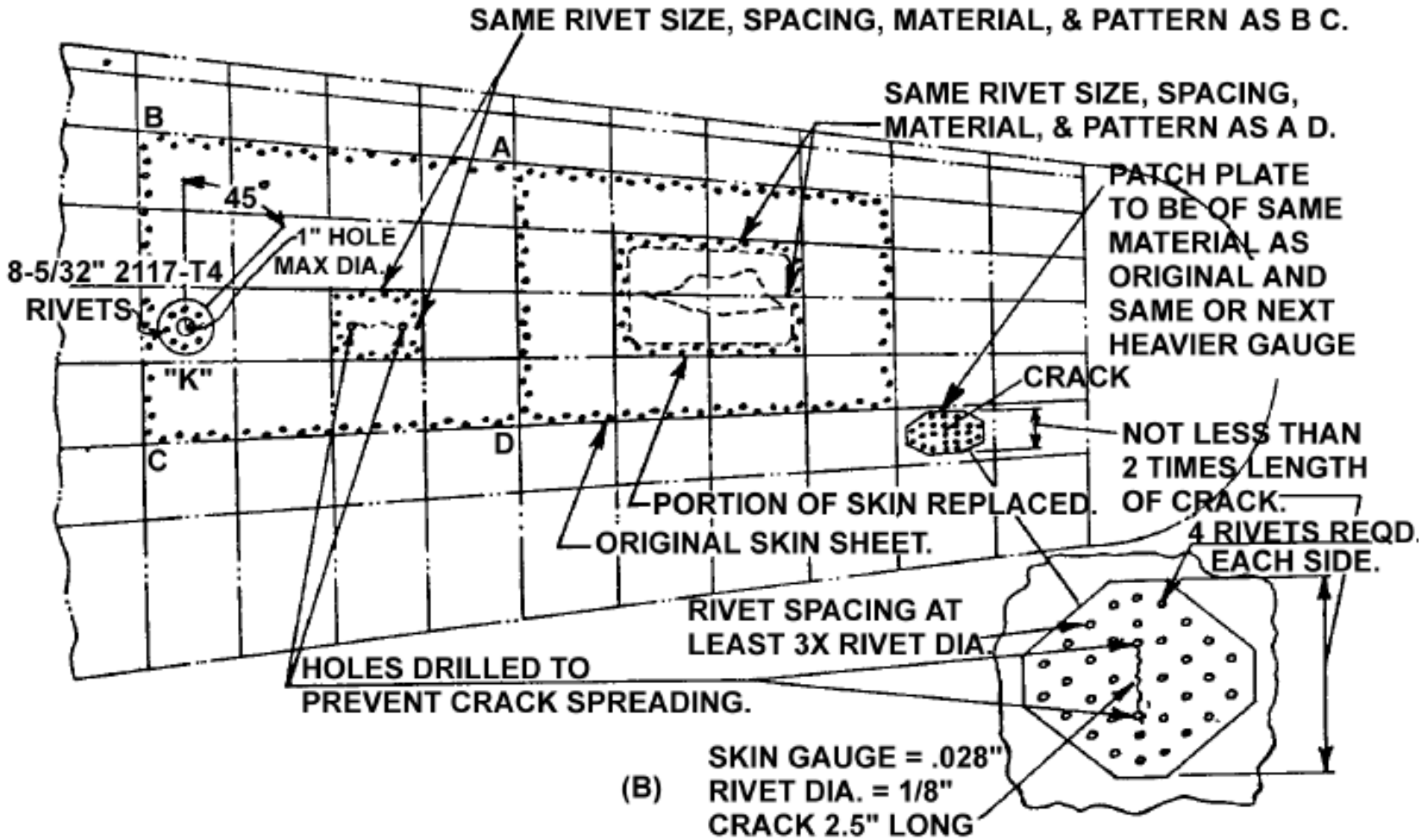


DIMENSIONS OF CIR. PATCH PLATES.

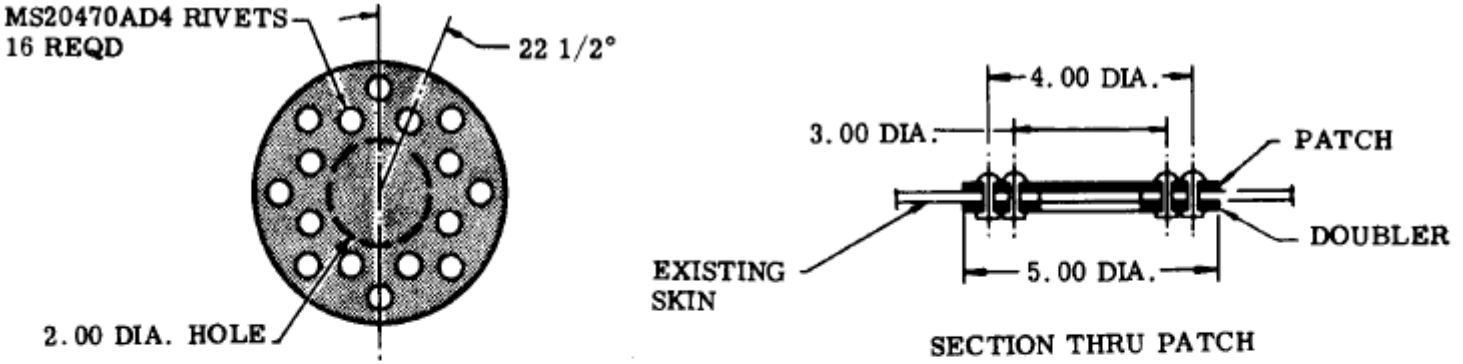
DESIGNATION	"K"	"H"	"G"
DIAMETER (OUTSIDE)	2-1/2"	5"	7-12"
DIA. INNER RIVET CIRCLE	1-3/4"	3"	4"
DIA. OUTER RIVET CIRCLE	—	4"	6-1/2"

Minor Skin Damage Repair

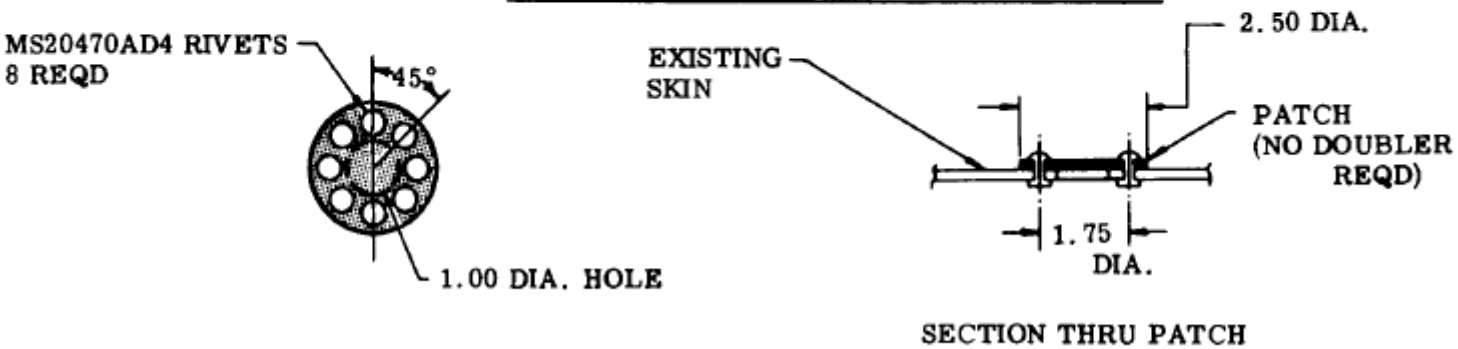
AC 43.13-1B



Minor Skin Damage Repair

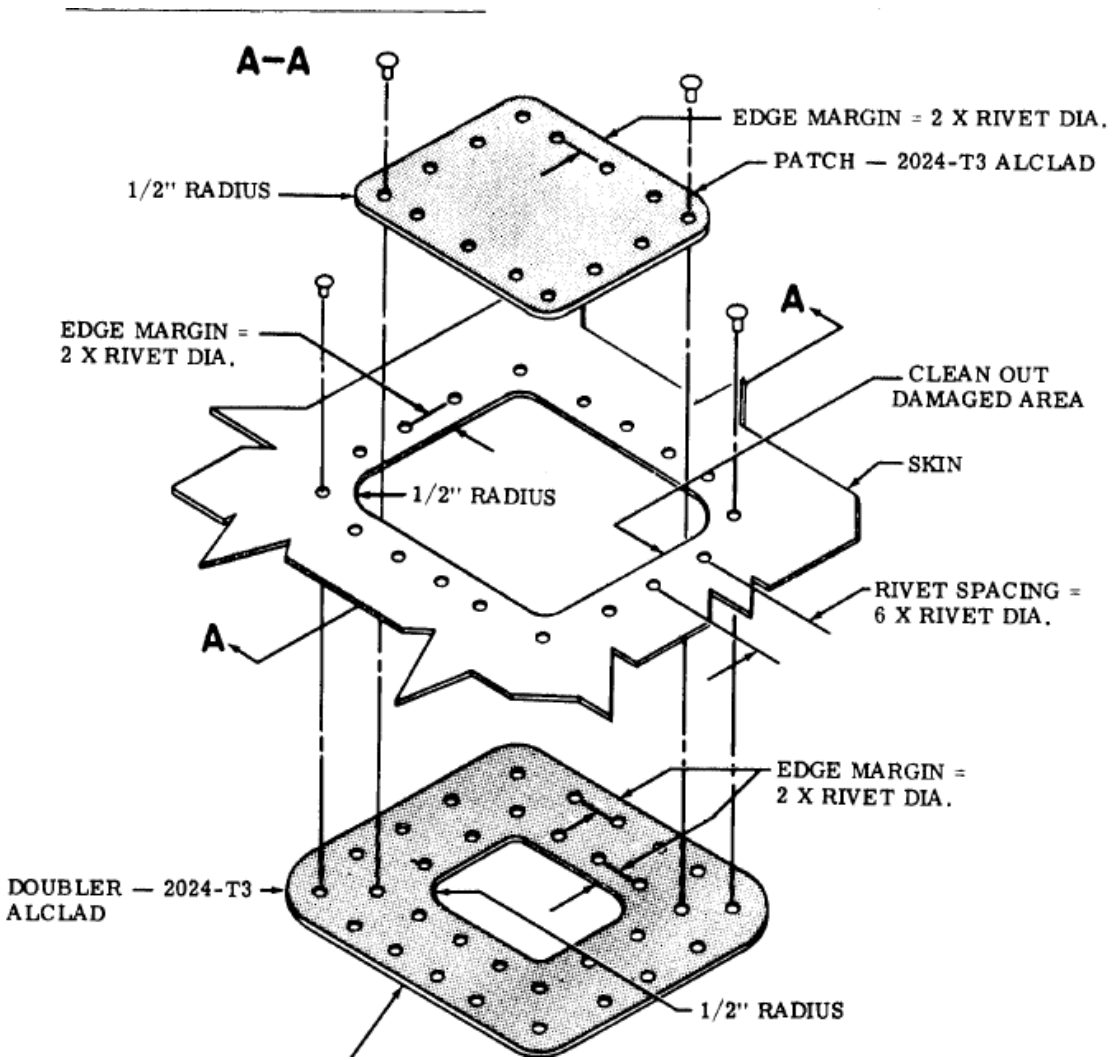


PATCH REPAIR FOR 2 INCH DIAMETER HOLE



PATCH REPAIR FOR 1 INCH DIAMETER HOLE

Minor Skin Damage Repair



EUROPEAN AVIATION SAFETY AGENCY
AGENCE EUROPÉENNE DE LA SÉCURITÉ AÉRIENNE
EUROPÄISCHE AGENTUR FÜR FLUGSICHERHEIT

Your safety is our mission.

easa.europa.eu