

R66 SERVICE BULLETIN SB-19

DATE: 07 November 2016

TO: R66 Owners, Operators, and Maintenance Personnel

SUBJECT: Revised Instrument Markings

ROTORCRAFT AFFECTED: R66 Helicopters S/N 0003 thru 0752.

TIME OF COMPLIANCE: Part A: Within next 100 flight hours or by 31 December 2016, whichever occurs first. Part B: Within one year from bulletin date.

BACKGROUND: R66 Pilot's Operating Handbook (POH) revision dated 19 October 2016 changed the N_2 avoidance range to 75–88% and added a yellow arc above 110 KIAS to the airspeed indicator. This bulletin requires installing decals (placards) specifying revised precautionary ranges adjacent to earlier instruments and revising, if installed, airspeed indication of Aspen or Garmin electronic flight display. This bulletin also requires installing an airspeed indicator with correct yellow arc (and removing associated temporary decal) within one year.

COMPLIANCE PROCEDURE:

Part A – Installing Decals & Updating Electronic Flight Display:

1. Refer to Figure 1. If installed engine tachometer (N_2) yellow arc is 78–88%, install G654-5 decal as shown. If N_2 yellow arc is 75–88%, decal is not required.
2. Refer to Figure 2. If installed airspeed indicator green arc is 0–140 knots (0–130 knots for some models) install G654-6 decal as shown. If indicator has a yellow arc above 110 knots, decal is not required.
3. If electronic flight display is installed, have applicable authorized Aspen (www.aspenavionics.com) or Garmin (www.garmin.com) facility revise airspeed indication to match 19 October 2016 POH revision.

Part B – Replacing Airspeed Indicator:

1. Install C599-2 (140 knot V_{ne}), C599-1 (130 knot V_{ne}), C599-3 (259 km/h V_{ne}), or C599-6 (241 km/h V_{ne}) airspeed indicator revision N or later, to match current revision POH instrument marking specifications.
2. Perform pitot and static system leak tests per Maintenance Manual § 95-10.
3. Remove and discard G654-6 decal. Make appropriate maintenance record entries. No change to helicopter weight and balance.

APPROXIMATE COST:

Parts: No charge for G654-5 and G654-6 decals (included with SB mailing). \$3.00 for each additional G654-5 decal and \$1.10 for each additional G654-6 decal. \$145 for overhaul-exchange C599-2R, C599-1R, C599-3R, or C599-6R indicator.

Labor: 0.2 man-hour (for Part A, excluding electronic flight display update). 1 man-hour (for Part B).

(OVER)

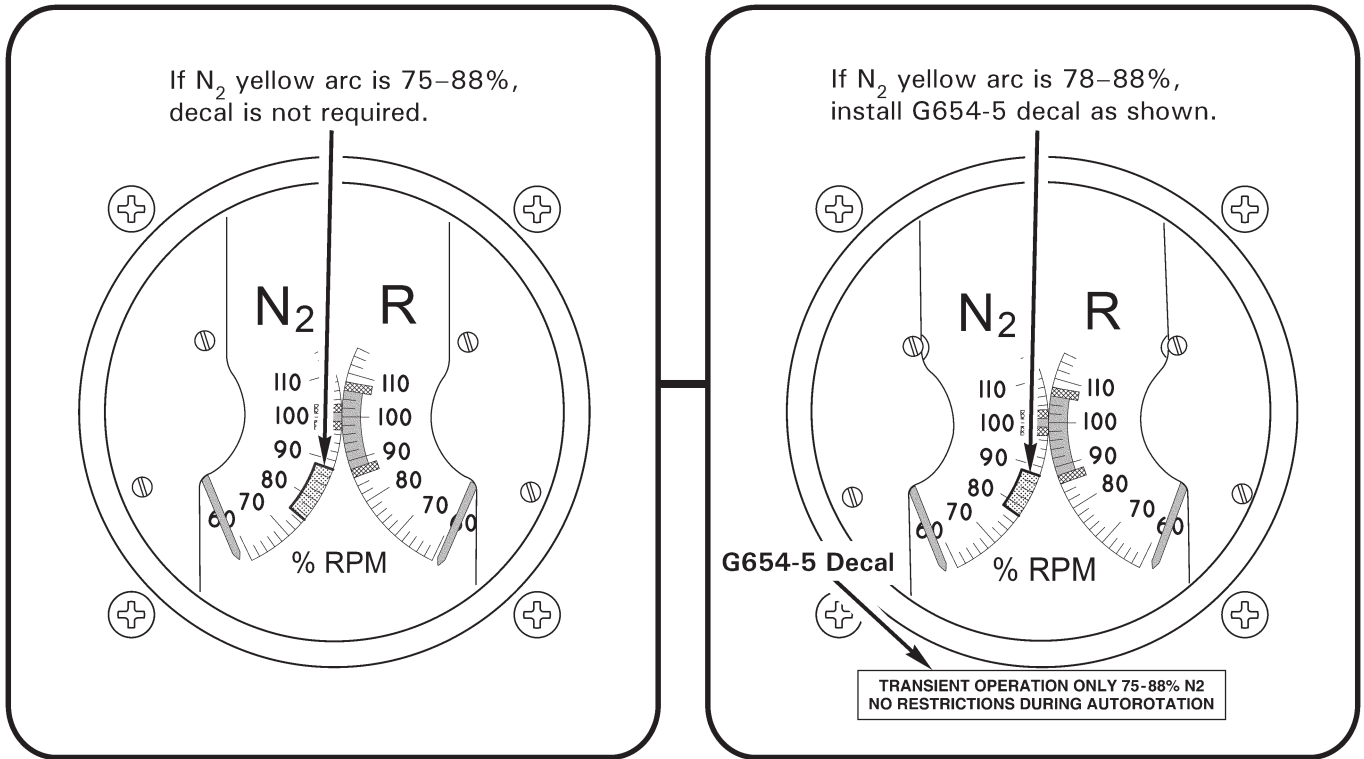


FIGURE 1

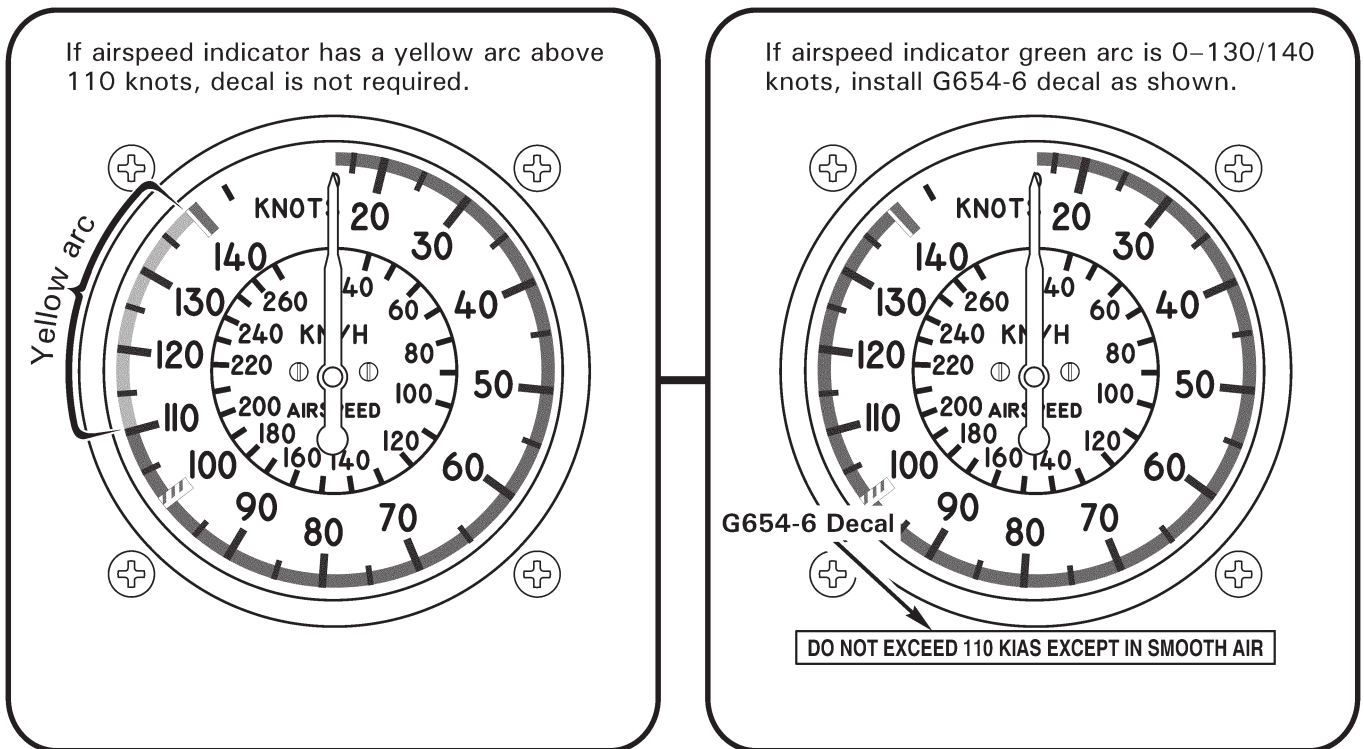


FIGURE 2

THE DESIGN ENGINEERING ASPECTS OF THIS BULLETIN HAVE BEEN SHOWN TO COMPLY WITH APPLICABLE FEDERAL AVIATION REGULATIONS AND ARE FAA APPROVED.