

**PACIFIC AEROSPACE**  
 AIRPORT ROAD HAMILTON NEW ZEALAND

DWG TITLE  
 NOSE LANDING GEAR  
 INSTALLATION

ECR No. 25650 MODEL 750 XL EFFECTIVITY GENERAL ENGINEERING CHANGE NOTICE

DWG NO 11-41001 ISSUE K SUB ISSUE L1

REASON FOR CHANGE

SHEET 1 OF 1

PALNUTS WERE ADDED TO MAIN LANDING GEAR INSTALLATION ON ECN 11-40001/02-B-C1 (19-08-10).  
 ADD PAL NUTS TO NOSE LANDING GEAR. NO INSTANCES HAVE YET BEEN REPORTED OF NOSE LANDING GEAR DAMAGE OR FAILURE IN SERVICE DUE TO LOSS OR LOOSENING OF A NUT.

TECHNICAL ASSESSMENT

FAR 23.607(a) (AMDT.23-48) STATES: EACH REMOVABLE FASTENER MUST INCORPORATE TWO RETAINING DEVICES IF THE LOSS OF SUCH FASTENER WOULD PRECLUDE CONTINUED SAFE FLIGHT AND LANDING.  
 ADDITION OF A PAL NUT TO THE NOSE LANDING GEAR ATTACHMENT BOLTS MEETS THE REQUIREMENT FOR DUAL RETAINING DEVICES. A PAL NUT PROTECTS AGAINST BOTH THE LOSS OF A FASTENER AND POSSIBLE BOLT FAILURE DUE TO A NUT COMING LOOSE RESULTING IN INSUFFICIENT BOLT TORQUE.  
 A SERVICE BULLETIN WILL BE REQUIRED TO RETROSPECTIVELY ADD PAL NUTS TO AIRCRAFT IN SERVICE.

SIGNED: *[Signature]* 18/5/18

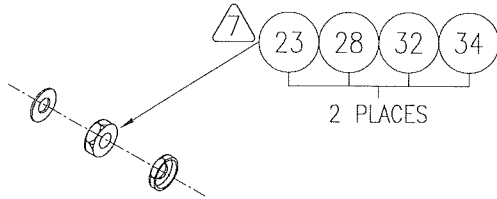
DESIGN ACTION

ALTER CALLOUT:

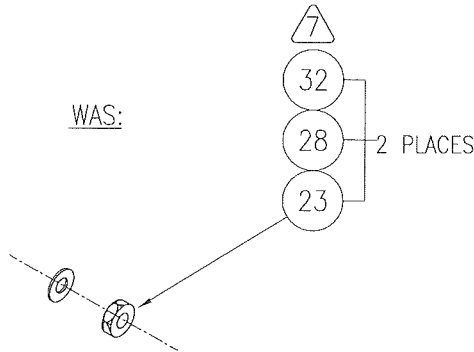
ADD:	4	4	35	MS27151-19	PAL NUT
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ALTER PICTORIALY:

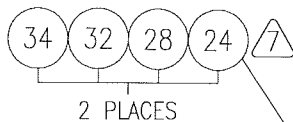
IS:



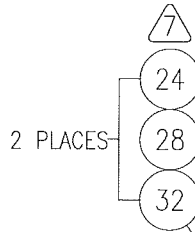
WAS:



IS:



WAS:



INCORPORATED

DRAWN D. ROBERTS 15-05-18 CHECKED *[Signature]* 15/5/18

CERTIFICATE OF APPROVAL AND STATEMENT OF COMPLIANCE

THE INFORMATION ON THIS DOCUMENT HAS BEEN EXAMINED IN ACCORDANCE WITH ESTABLISHED PROCEDURES AND FOUND TO COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE CIVIL AVIATION RULES, HAS NO UNSAFE FEATURES, AND IS FIT FOR ITS INTENDED USE.

APPROVED FOR AND ON BEHALF OF PACIFIC AEROSPACE LIMITED PURSUANT TO DESIGN ORGANISATION CERTIFICATE NUMBER 69602

APPROVED DESIGN SIGNATORY:

DATE OF APPROVAL: 18/5/18