

Service Difficulty Report

1. Submitter Information

(a) Unique Control #: HYIA402VNRTRUNN	(b) Difficulty Date: 07/27/2010
(c) Registration # : 402VN	(d) Submitter Type : E - CARRIER PART 135
(e) Submitter Designator: HYIA	(f) Submission Date: 7/29/2010 2:48:56 PM

2. Codes

(a) Operator Designator : HYIA	(b) Operator Type : Air Carrier
(c) JASC/ATA Code : 3210	
(d) Stage of Operation : LD - LANDING	
(e) How Discovered : V - Visual	
(f) Nature of Condition : Z - SIGNIFICANT FAILURE REPORT	
(g) Precautionary Procedures: K - NONE	
(h) FAA Region : EA	(i) District Office : 61
(j) Flight Number : 1282	

3. Major Equipment Identity

	Manufacturer	Model	Serial Number	Total Time	Total Cycles
(a) Aircraft	CESSNA	402C	402C0488	26938.5	
(b) Engine					
(c) Propeller					

4. Problem Description

CREW REPORTED, RIGHT MAIN GEAR SHEARED OFF ON LANDING ROLL. MAINTENANCE FOUND RIGHT MAIN GEAR UPPER BARREL AND TRUNNION ASSEMBLY SHEARED JUST BELOW MAIN LANDING GEAR ACTUATOR ATTACH POINT. MAINTENANCE IS IN THE PROCESS OF REPLACING RIGHT MAIN LANDING GEAR ASSEMBLY, RIGHT ENGINE, RIGHT PROPELLER, RIGHT SIDE INBD AND OUTBD FLAP PANEL ASSEMBLIES.

5. Specific Part or Structure Causing Difficulty

(a) Part Name : UPPER BARREL & TRUNNION	(b) Manufacturer's Name : CESSNA
(c) Part Number : 5141103-6	(d) Serial Number :
(e) Part Condition: UNSERVICABLE	(f) Part/Defect Location: Zone 700
(g) Total Time : 26938.5	(h) Total Cycles :
(i) Time Since : 55.0	INSPECTION

6. Component/Assembly That Includes Defective Part

(a) Component Name: STRUT ASSY, MAIN GEAR	(b) Manufacturer's Name : CESSNA
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(c) Part Number : 5141103-2 (d) Serial Number :
(e) Model Number : (f) Location : RIGHT MAIN GEAR
(g) Total Time : (h) Total Cycles :
(i) Time Since : 55.0 INSPECTION

7. Structure Causing Difficulty

(a) Body or Fuselage Station - From/At: To:
(b) Water Line - From/At: To:
(c) Crack Length : (d) Number of Cracks:
(e) Stringer - From/At: To:
(f) Butt Line - From/At: To:
(g) Wing Station - From/At: To:
(h) Structural Other: (i) Corrosion Level :

----- End Of Report -----