

5280 Landing Gear Doors
3232 Landing Gear Actuator.

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Date Of Report	1978-01-24	Operator Control Number	Z197802400051
Date Of Occurrence		Aircraft Registration	357
Aircraft Manufacturer	CESSNA	Aircraft Group Code	337
Aircraft Manufacturer Model	T337G	Aircraft Make Model Sequence	2075726
Air Carrier Name	Unknown	Air Carrier Operation Code	
Operation Type		Stage Of Operation	INSP/MAINT
Severity Factor	OVER 24 MO	Air Transport Association Code	Landing Gear Door Actuator
Precautionary Procedures	NONE	Nature Of Condition	OTHER

Remarks

SNAP RING WAS NOT COMPLETELY SEATED IN GROOVE WHICH ALLOWED FLUID TO LEAK AROUND SHAFT

Segment	AIRFRAME	Descriptive Name Of Part	SNAPRING
Defective Location On Aircraft	DOOR ACTUATOR	Failed Part Condition	BENT
Part Total Time	500	Part Total Time Since Overhaul	500
Component Manufacturer		Component Manufacturer Model	
Component Manufacturer Number		Manufacturer Part Number	
Ata Code			
Aircraft Region Responsible	CENTRAL	Aircraft Manufacturer Number	P3370242
Aircraft Weight Class	UNDER 12501 LBS	Aircraft Wing Type	MONPLANE- HIGH/PARASOL WING
Aircraft Power Class Code	7	Number Of Engines	2
Design Characteristic Code	3O	Landing Gear Code	
Aircraft Type Certificate	A6CE		
Engine Group Code		Engine Manufacturer	
Engine Manufacturer Model		Engine Make Model Sequence	
Region Responsible For Engine		Engine Power Class Code	3
Engine Type Code	O	Engine Type Certificate	
Propeller Group Code		Propeller Manufacturer	
Propeller Manufacturer Model		Propeller Region Responsible	

Propeller Manufacturer Number
Propeller Type Code

Propeller Power Code
Propeller Type Certificate

Unique Sequential Number 00051

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Date Of Report	1980-07-23	Operator Control Number	CE64198074871
Date Of Occurrence		Aircraft Registration	72403
Aircraft Manufacturer	CESSNA	Aircraft Group Code	337
Aircraft Manufacturer Model	337G	Aircraft Make Model Sequence	
Air Carrier Name	Unknown	Air Carrier Operation Code	
Operation Type	G	Stage Of Operation	APPROACH
Severity Factor	UNCOMMON	Air Transport Association Code	Landing Gear Door Actuator
Precautionary Procedures	NONE	Nature Of Condition	FLUID LOSS, UNKNOWN

Remarks

RETAINER RING IN LMLG DOOR ACTUATOR CAME OUT OF GROOVE ALLOWING ROD AND PISTON T O
SEPARATE LOST ALL HYD FLUID

Segment	AIRFRAME	Descriptive Name Of Part	RETAINER RING
Defective Location On Aircraft	LMLG DOOR	Failed Part Condition	CAME OUT
Part Total Time	811	Part Total Time Since Overhaul	811
Component Manufacturer		Component Manufacturer Model	15800173
Component Manufacturer Number		Manufacturer Part Number	MS166251068
Ata Code	323		
Aircraft Region Responsible	CENTRAL	Aircraft Manufacturer Number	33701576
Aircraft Weight Class	UNDER 12501 LBS	Aircraft Wing Type	MONPLANE- HIGH/PARASOL WING
Aircraft Power Class Code	7	Number Of Engines	2
Design Characteristic Code		Landing Gear Code	
Aircraft Type Certificate	A6CE		
Engine Group Code		Engine Manufacturer	
Engine Manufacturer Model		Engine Make Model Sequence	
Region Responsible For Engine		Engine Power Class Code	3
Engine Type Code	O	Engine Type Certificate	
Propeller Group Code		Propeller Manufacturer	
Propeller Manufacturer Model		Propeller Region Responsible	

Propeller Manufacturer Number
Propeller Type Code

Propeller Power Code
Propeller Type Certificate

Unique Sequential Number 00089

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Date Of Report	1992-03-31	Operator Control Number	92ZZZX3092
Date Of Occurrence	1991-02-20	Aircraft Registration	69NG
Aircraft Manufacturer	CESSNA	Aircraft Group Code	337
Aircraft Manufacturer Model	337G	Aircraft Make Model Sequence	2075730
Air Carrier Name	Unknown	Air Carrier Operation Code	
Operation Type	G	Stage Of Operation	APPROACH
Severity Factor	UNCOMMON	Air Transport Association Code	Landing Gear Door Actuator
Precautionary Procedures	NONE	Nature Of Condition	FLUID LOSS, NO WARNING INDICATION

Remarks

UPON LOWERING LANDING GEAR, GREEN LIGHT DID NOT COME ON. EMERGENCY SYSTEM DID NOT LOWER AND LOCK GEAR. AIRCRAFT LANDED AND GEAR COLLAPSED. SUBMITTER STATES PROBLEM WAS CAUSED BY FAILURE OF SNAP RING, P/N M5186251068, IN STRUT DOOR ACTUATOR, P/N 1580017-2, WHICH CAUSED LOSS OF HYDRAULIC FLUID FROM LANDING SYSTEM.

Segment	AIRFRAME	Descriptive Name Of Part	SNAP RING
Defective Location On Aircraft	GEAR ACTUATOR	Failed Part Condition	BROKEN
Part Total Time	1,260	Part Total Time Since Overhaul	0
Component Manufacturer		Component Manufacturer Model	
Component Manufacturer Number		Manufacturer Part Number	M5186251068
Ata Code			
Aircraft Region Responsible	CENTRAL	Aircraft Manufacturer Number	33701810
Aircraft Weight Class	UNDER 12501 LBS	Aircraft Wing Type	MONPLANE- HIGH/PARASOL WING
Aircraft Power Class Code	7	Number Of Engines	2
Design Characteristic Code	30	Landing Gear Code	
Aircraft Type Certificate	A6CE		
Engine Group Code		Engine Manufacturer	
Engine Manufacturer Model		Engine Make Model Sequence	
Region Responsible For Engine		Engine Power Class Code	
Engine Type Code		Engine Type Certificate	

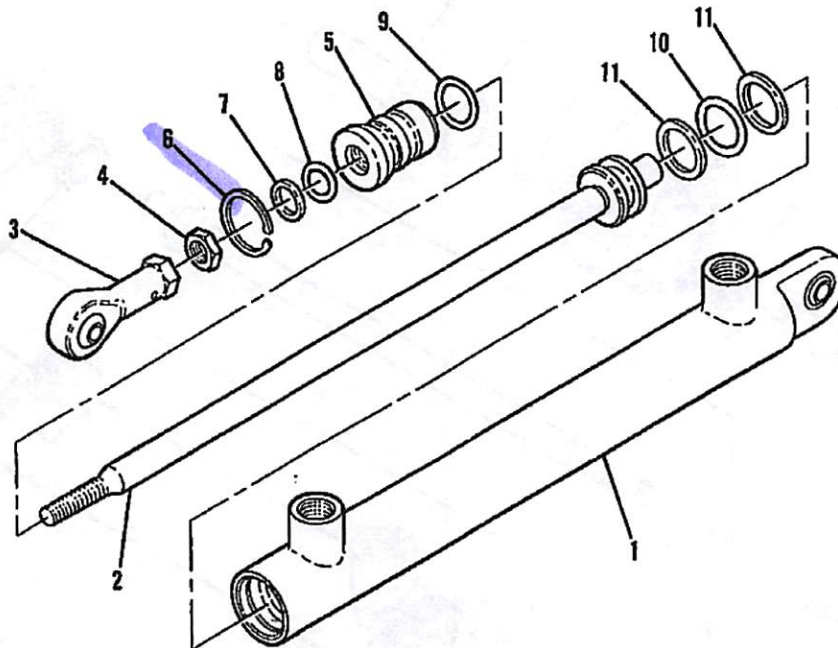
Propeller Group Code		Propeller Manufacturer	
Propeller Manufacturer Model		Propeller Region Responsible	
Propeller Manufacturer Number		Propeller Power Code	
Propeller Type Code		Propeller Type Certificate	
Unique Sequential Number	00184	Submitter	FEDERAL AVIATION ADMIN
Report Status	ORIG CLSD	Alert	
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Hydraulic System (Cont)

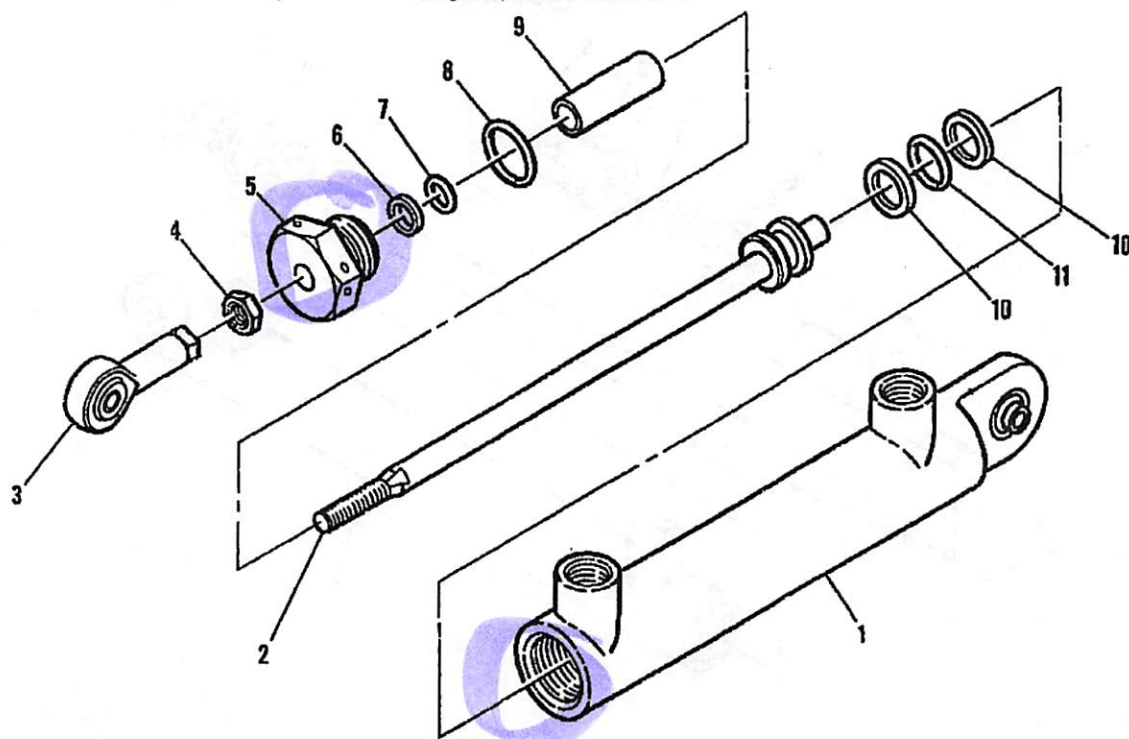


SERIAL P3370001 THRU P3370297
SERIAL FP3370001 THRU FP3370023

Figure 135. Nose Gear & Main Gear Strut Doors Actuator Assembly

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
135 -	1580017-4	ACTUATOR ASSEMBLY-NOSE GEAR DOORS WEU 9882007-4	1	A
	1580017-1	ACTUATOR ASSEMBLY-MAIN GEAR DOORS WEU 9882007-3	2	A
	1580017-2	ACTUATOR ASSEMBLY-MAIN GEAR STRUT DOORS WEU 9882007-5	1	A
- 1		CYLINDER USED ON 1580017-1 FSO 9882007-3	NP	
		CYLINDER USED ON 1580017-4 FSO 9882007-4	NP	
		CYLINDER USED ON 1580017-2 FSO 9882007-5	NP	
- 2	1281031-3	PISTON USED ON 1580017-1	1	
	1281031-2	PISTON USED ON 1580017-2	1	
	1281031-4	PISTON USED ON 1580017-4	1	
- 3	S1819-3	ROD END-BEARING	1	
- 4	AN316-4R	CHECK NUT	1	
- 5		GLAND USED ON 1580017-1 FSO 9882007-3	NP	
		GLAND USED ON 1580017-4 FSO 9882007-4	NP	
		GLAND USED ON 1580017-2 FSO 9882007-5	NP	
- 6	MS16625-1068	RETAINER RING	1	
- 7	S1628-011	RING-BACK UP	1	
- 8	MS28775-011	O RING	1	
- 9	MS28775-014	O RING	1	
- 10	MS28775-111	O RING	1	
- 11	S1628-111	RING-BACK UP	2	
	S2019-11	NAMEPLATE USED ON 1580017-1	1	
	S2019-12	NAMEPLATE USED ON 1580017-2	1	
	S2019-14	NAMEPLATE USED ON 1580017-4	1	
NOTE. *THESE PARTS ARE NOT AVAILABLE, COMPLETE ACTUATOR ASSEMBLIES MUST BE ORDERED. SEE FIG 135A FOR PARTS BREAKDOWN OF THESE ASSEMBLIES. A—T337 SERIAL P3370001 THRU P3370297 FT337 SERIAL FP3370001 THRU FP3370023				

Hydraulic System (Cont)



SERIAL P3370298 & ON

Figure 135A. Actuator Assembly

FIGURE AND INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE
		1 2 3 4 5 6 7		
135A-	9882007-4	ACTUATOR ASSY-NOSE GEAR DOORS	1	A
	9882007-3	ACTUATOR ASSY-MAIN GEAR DOORS	2	A
	9882007-5	ACTUATOR ASSY-MAIN GEAR STRUT DOORS	1	A
- 1	9882006-3	CYLINDER USED ON 9882007-4	1	
	9882006-4	CYLINDER USED ON 9882007-3	1	
	9882006-2	CYLINDER USED ON 9882007-5	1	
- 2	1281031-4	PISTON USED ON 9882007-4	1	
	1281031-3	PISTON USED ON 9882007-3	1	
	1281031-2	PISTON USED ON 9882007-5	1	
- 3	S1819-3	ROD END-BEARING	1	
- 4	AN316-4R	CHECK NUT	1	
- 5	1280129-1	END FITTING	1	
- 6	S1628-011	RETAINER	1	
- 7	MS28775-011	O RING	1	
- 8	MS28778-8	O RING	1	
- 9	NAS43005-36	SPACER USED ON 9882007-3 & 9882007-4	1	
	NAS43005-26	SPACER USED ON 9882007-5	1	
-10	S1628-111	RETAINER	2	
-11	MS28775-111	O RING	1	
	S2019-125	NAMEPLATE USED ON 9882007-4	1	
	S2019-124	NAMEPLATE USED ON 9882007-3	1	
	S2019-126	NAMEPLATE USED ON 9882007-5	1	
A---P337 SERIAL P3370298 & ON				