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SAFETY ALERT – DECEMBER, 2023

Issue Date

DECEMBER, 2023, Rev. 0

Subject/Purpose

Nose gear bearing update

Affected Models

All CH aircraft models with new “White” nose gear lower bearing 75L1-7

Compliance Time

Before next flight

Inspection Frequency

One-time

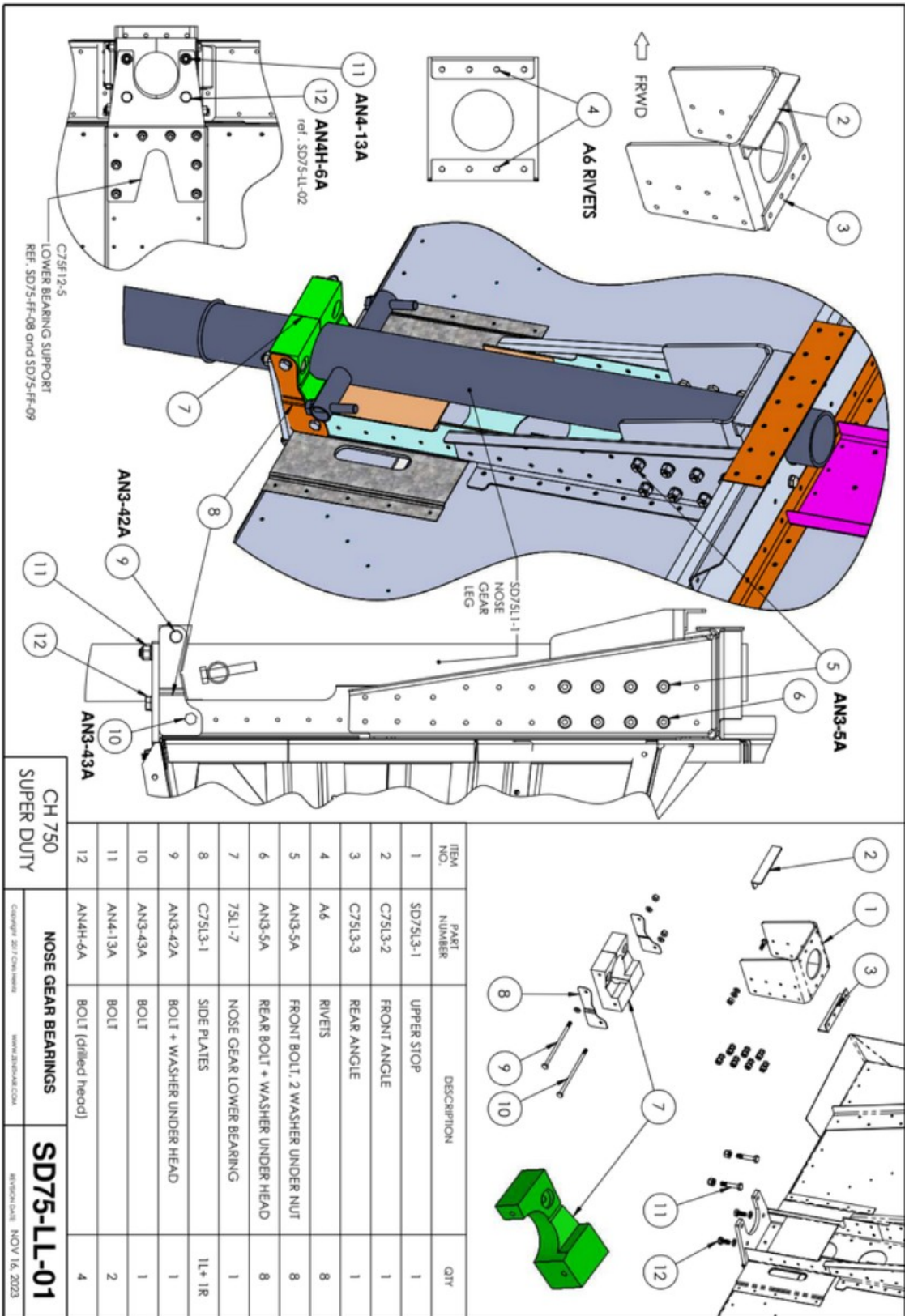
Background

The new nose gear lower bearing is being updated to include additional brackets.

Action

- Install the nose gear leg
- Add the new Side Brackets C75L3-1 and install as per drawing SD75-LL-01 and SD75-LL-02
- Drill and countersink the nylon bearing front top holes, tap the rear holes.

Note: Install the complete assembly together before drilling out the 4 holes from the bottom up.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	SD75L3-1	UPPER STOP	1
2	C75L3-2	FRONT ANGLE	1
3	C75L3-3	REAR ANGLE	1
4	A6	RIVETS	8
5	AN3-5A	FRONT BOLT, 2 WASHER UNDER NUT	8
6	AN3-5A	REAR BOLT + WASHER UNDER HEAD	8
7	75L1-7	NOSE GEAR LOWER BEARING	1
8	C75L3-1	SIDE PLATES	1L+ 1R
9	AN3-42A	BOLT + WASHER UNDER HEAD	1
10	AN3-43A	BOLT	1
11	AN4-13A	BOLT	2
12	AN4H-6A	BOLT (drilled head)	4

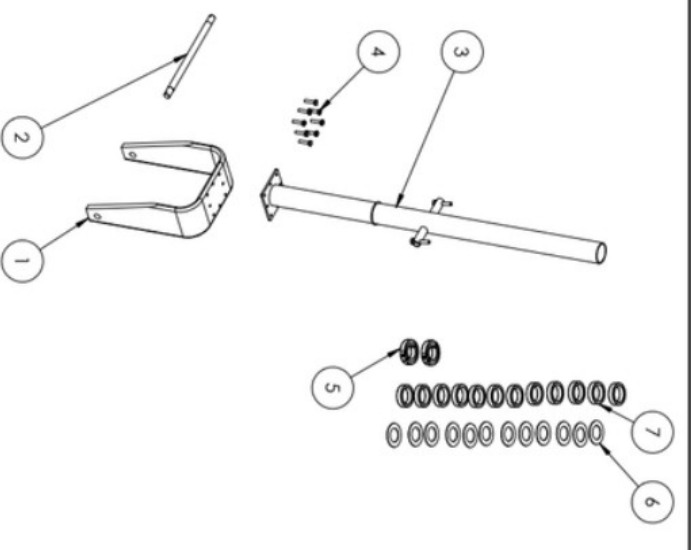
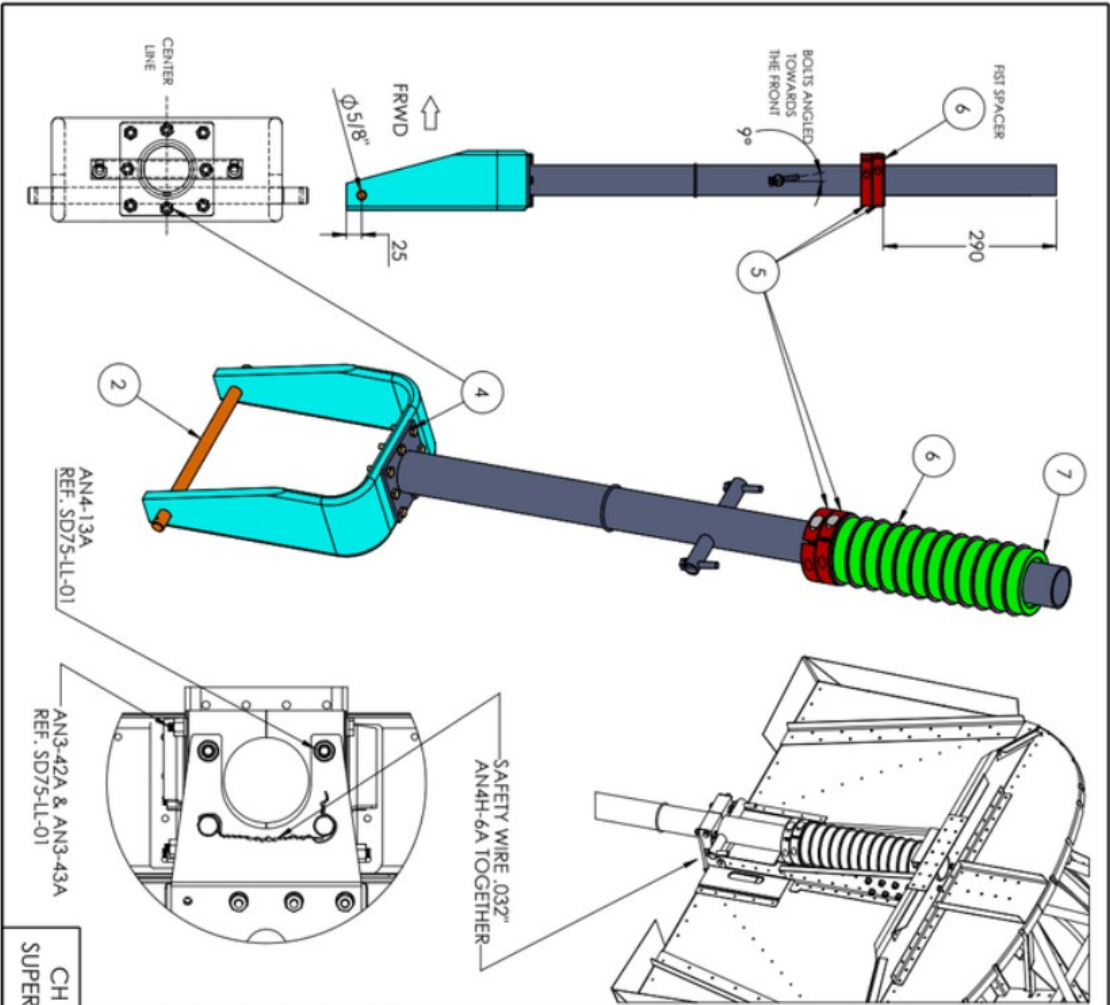
CH 750 SUPER DUTY

NOSE GEAR BEARINGS

SD75-LL-01

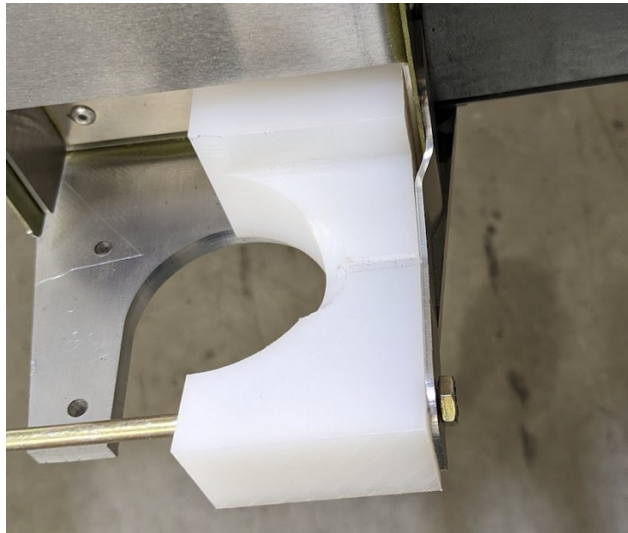
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REVISION DATE: NOV 16, 2023

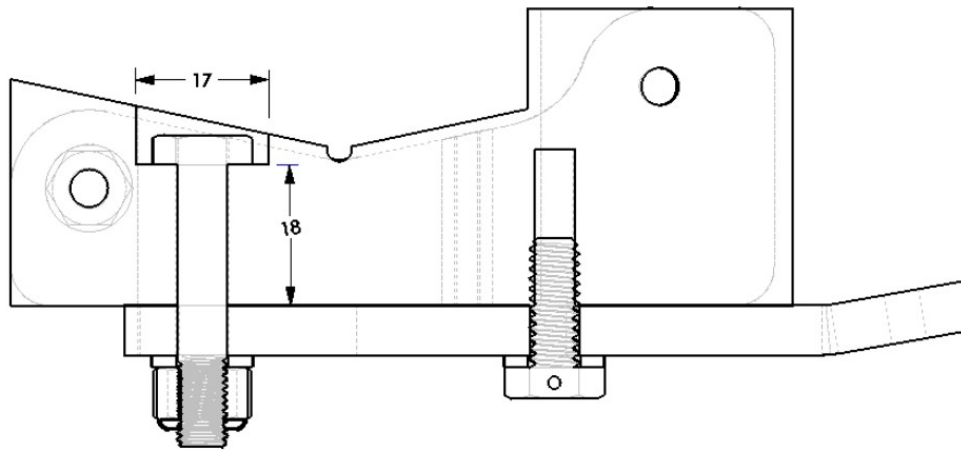


ITEM NO.	PART NUMBER	DESCRIPTION	QTY
2	8L1-38	NOSE WHEEL AXLE	1
3	SD75LL-1	NOSE GEAR LEG	1
4	AN4-11A	BOLT	8
5	C75L3-6	2 INCH SHAFT COLLAR	2
1	8L2-4	NOSE WHEEL FORK	1
6	C75L3-4	SPACER	12
7	C75L3-5	RUBBER SHOCK DISK	12

CH 750
 SUPER DUTY
 NOSE GEAR SHOCK SUSPENSION
 SD75-LL-02
 REVISION DATE: NOV 16, 2023



Install the new side plates C75L3-1 as per the above photo.



Nose gear strut installation. Do not over-tighten the system. The nose gear strut needs to be almost loose, free floating. See this video - https://www.youtube.com/watch?v=bP06iXla_G8
You want the rudder controls to be self centring in flight.

Install / update the “white” nose wheel bearing block as per the above. Left and Right.

The 4 holes are drilled AFTER the complete assembly is installed and the nose gear strut is functional. Drill the 4 holes through the aluminum support bearing bracket C75F12-5. Tap the 2 rear holes. Countersink the 2 front holes. Install bolts. Safety wire rear 2 bolts. Do not over-tighten the bolts.

For additional information, please contact Zenair Ltd.

Use the aircraft Design Standards manual, aircraft blue prints, and FAR 43.13-1B & 2B if required.