

The pilot stated that he had lost the alternator voltage and depleted the battery, before he noticed the problem.

The pilot stated that he had his passenger read the emergency gear extension procedures in the Pilot Operating Handbook (POH) and that the passenger stated that he understood the procedure.

The pilot states that he had the passenger hand crank the landing gear into the down position and that he verified that the emergency gear extension hand crank was against its stop.

The pilot stated that he felt the gear on the runway and then the nose settle lower than normal then the landing gear slowly retracted. The passenger basically stated the same thing.

If you look at the attached pictures they indicate the landing gear doors were closed when the aircraft settled onto the runway, and that the aircraft step was damaged by the weight of the aircraft. This is what the pilot and passenger felt hitting on the runway, not the main tires. The left main inboard gear door is more damaged than right as the step was carrying the weight of the right side of the aircraft. The nose gear doors were scraped on the surface that would be facing down when the gear is in the up position, same as the main inboard gear doors. The out board gear doors are not damaged, there are no scuff marks on the main tires and there is no damage on the brake housing.

On pictures 0410.JPG and 0411.JPG, you are looking up and forward on the belly of the aircraft. The two seams running forward and aft are considered the keel and main structure of the aircraft. These parts and the surrounding bulkheads and formers have there partly flanges ground away. To properly replace most of the damaged structure of the belly, the aircraft will have to be placed in a jig. I believe this is substantial damage and not minor damage, and this should be considered an accident.

Robert E. Giguere
Aviation Safety Inspector

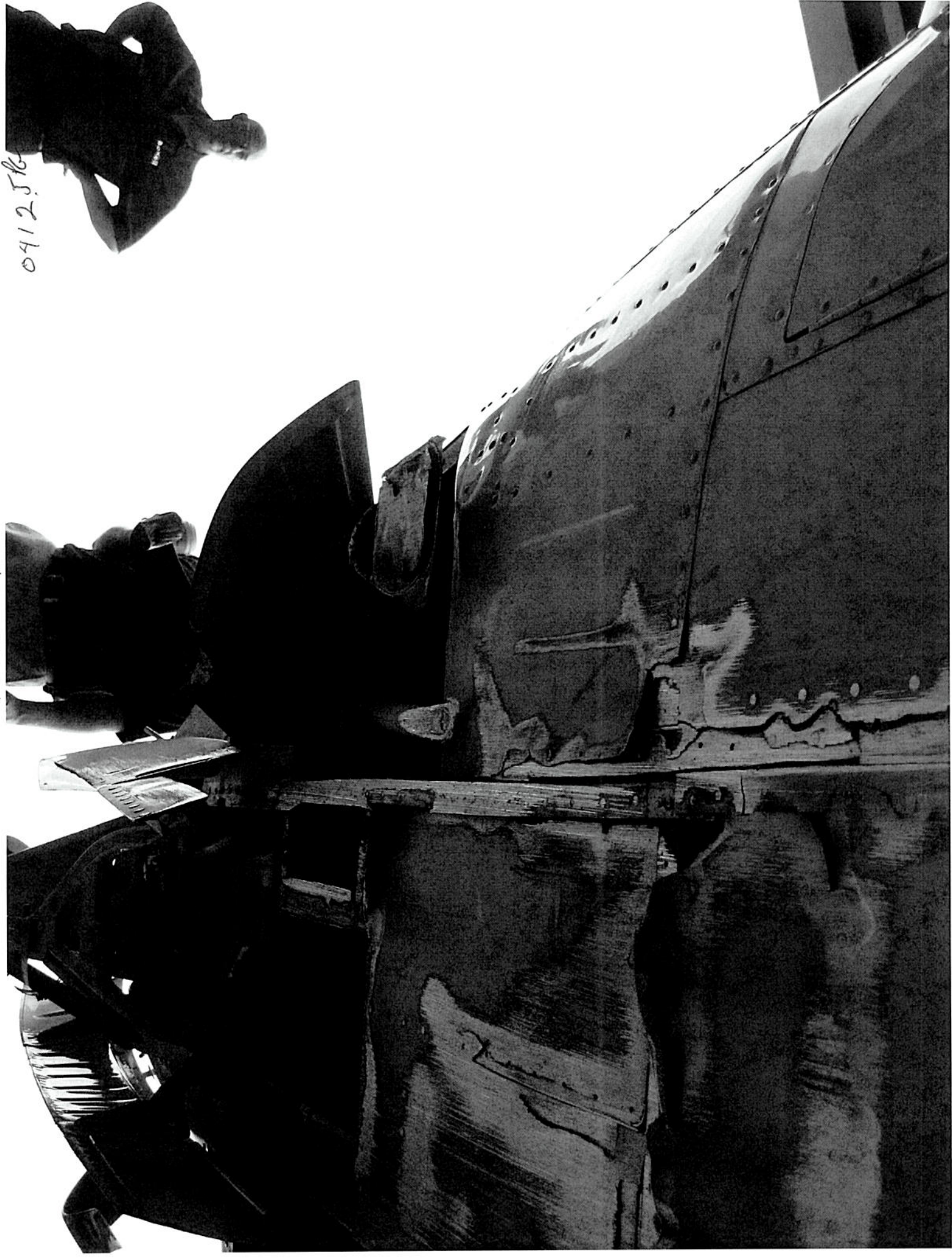


0411.JPG

1 row 17

D410.5 PG-





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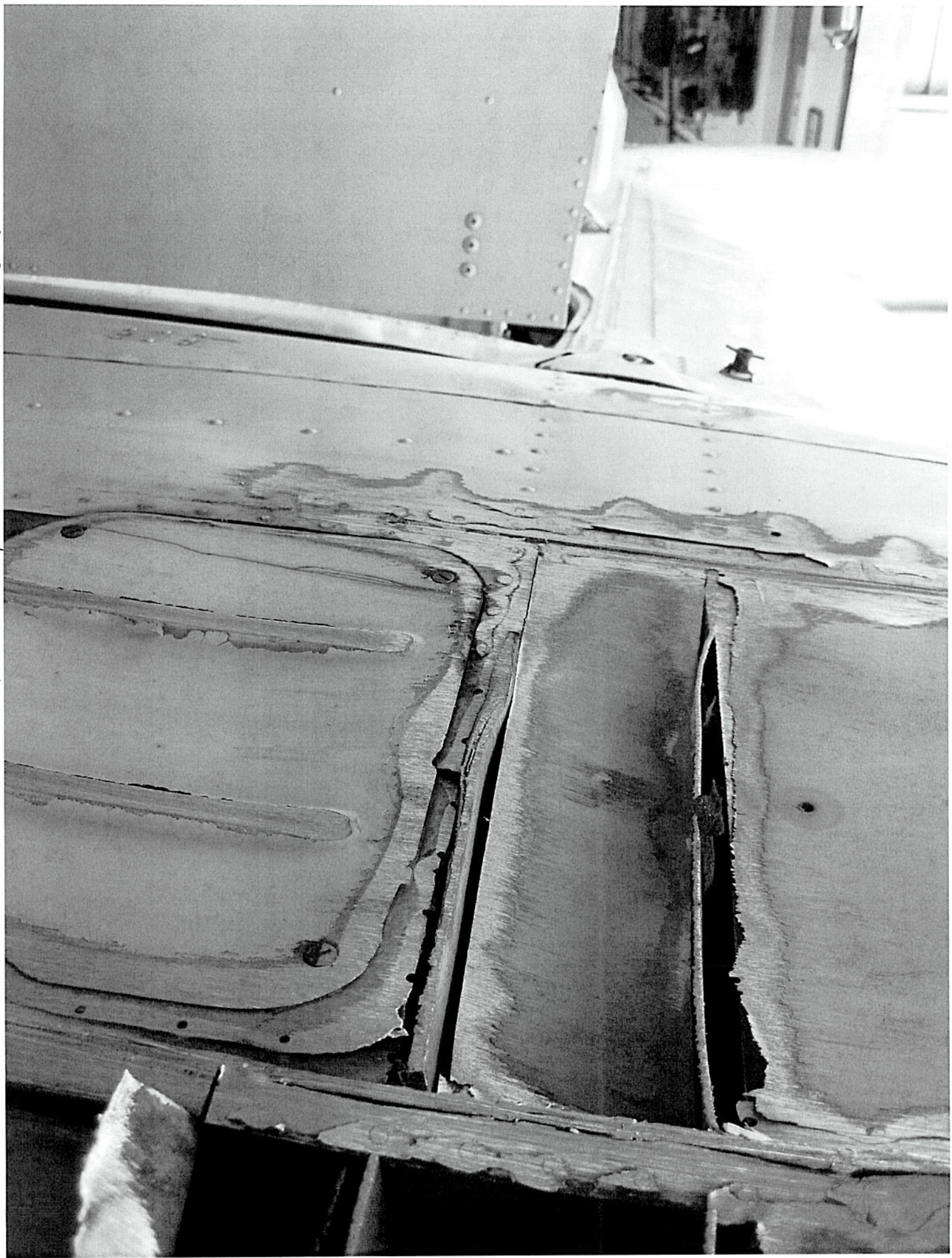
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FRONT



REAR VIEW
NOSE WHEEL WELL

↓ REAR



0421 016

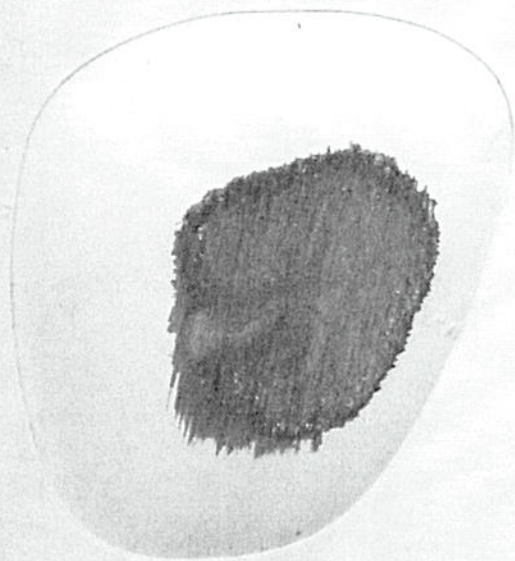
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