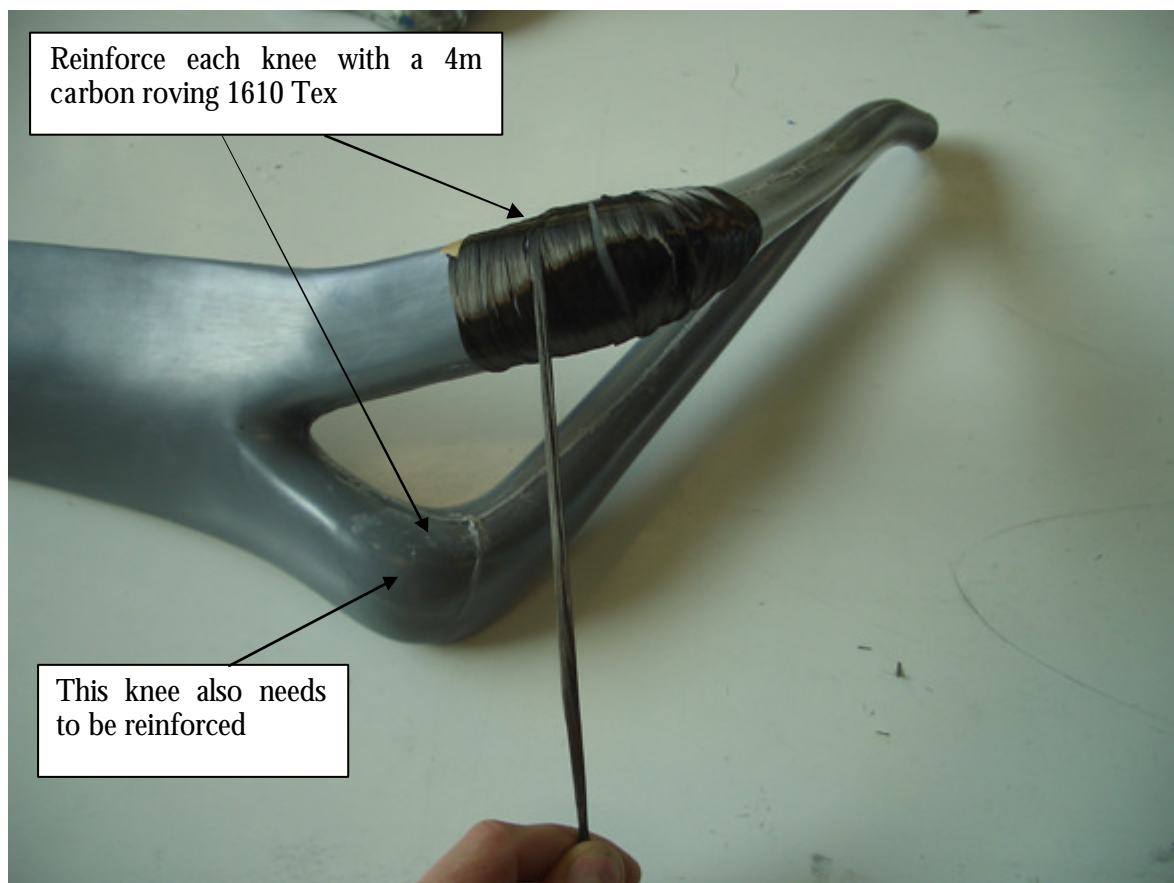


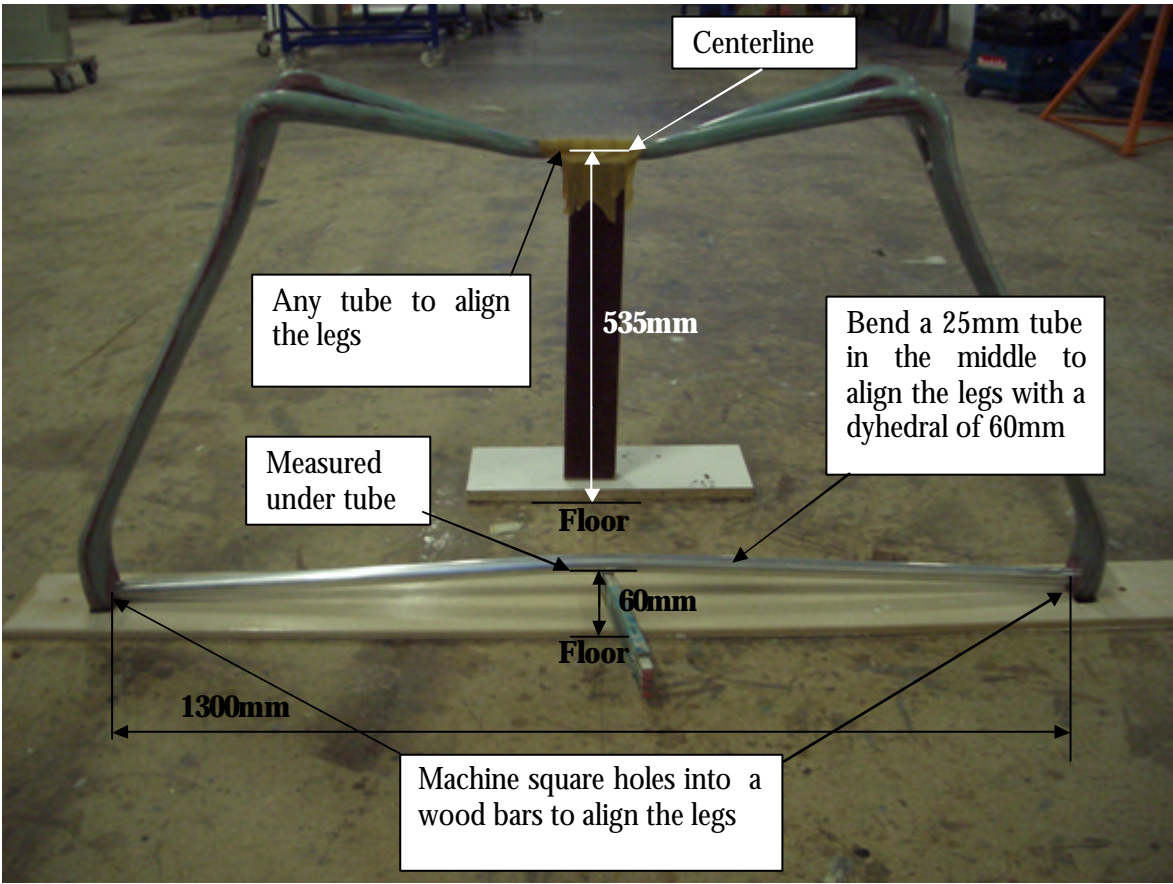
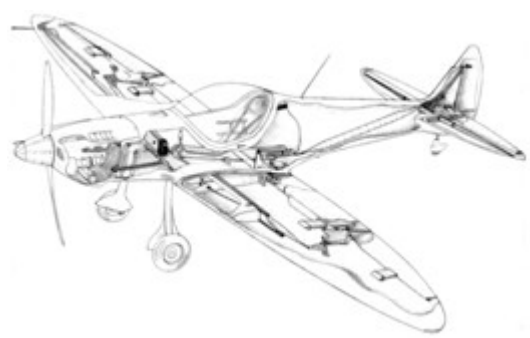
8 Fixed Gear Installation

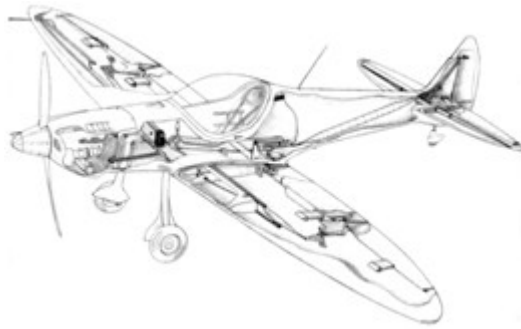
This section describes the following steps for the installation of the fixed gear:

- 8.1 Aligning the gear legs and fitting the plywood brackets
- 8.2 Reinforcing the attachment points for the gear legs in the fuselage
- 8.3 Assambling the Gear Legs in the fuselage
- 8.4 Fitting the wheel covers and the fairings to the fuselage an assambling the wheels

8.1 Aligning the gear legs and fitting the plywood brackets



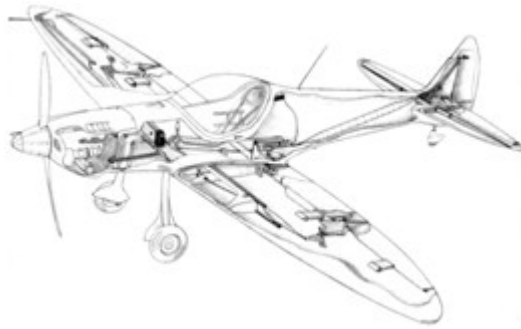




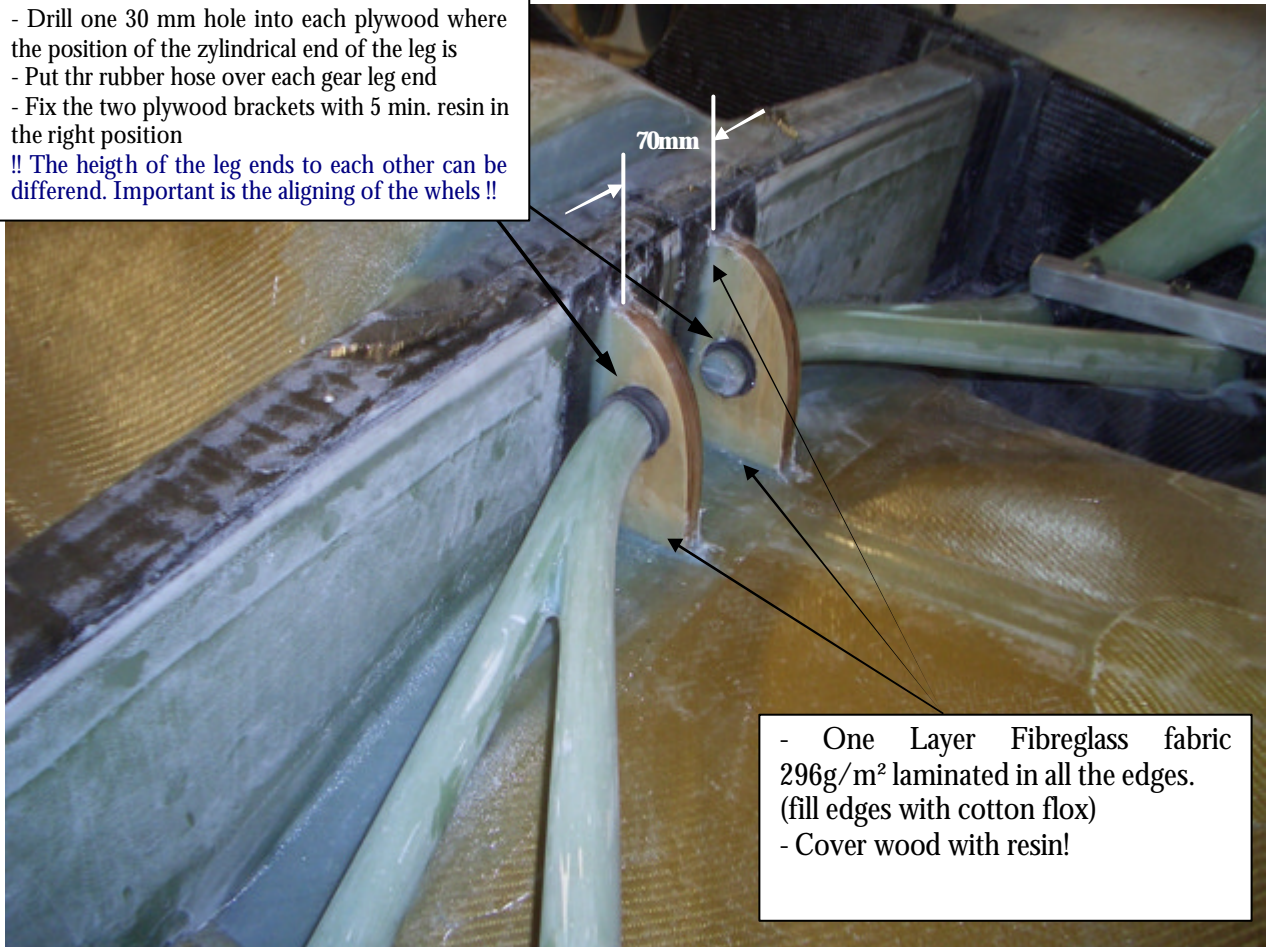
8.2 Reinforcing the attachment points for the gear legs in the fuselage



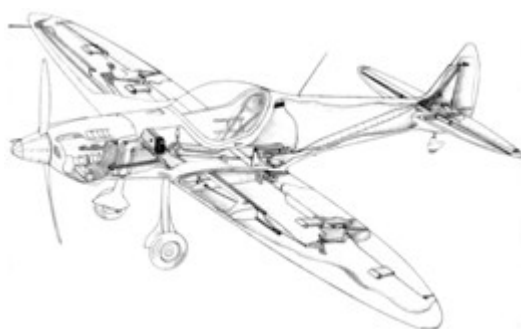
- One Layer 200 g/m² Carbon around the mounting block (fill edges with cotton flox)



- Drill one 30 mm hole into each plywood where the position of the cylindrical end of the leg is
 - Put the rubber hose over each gear leg end
 - Fix the two plywood brackets with 5 min. resin in the right position
- !! The height of the leg ends to each other can be different. Important is the aligning of the wheels !!



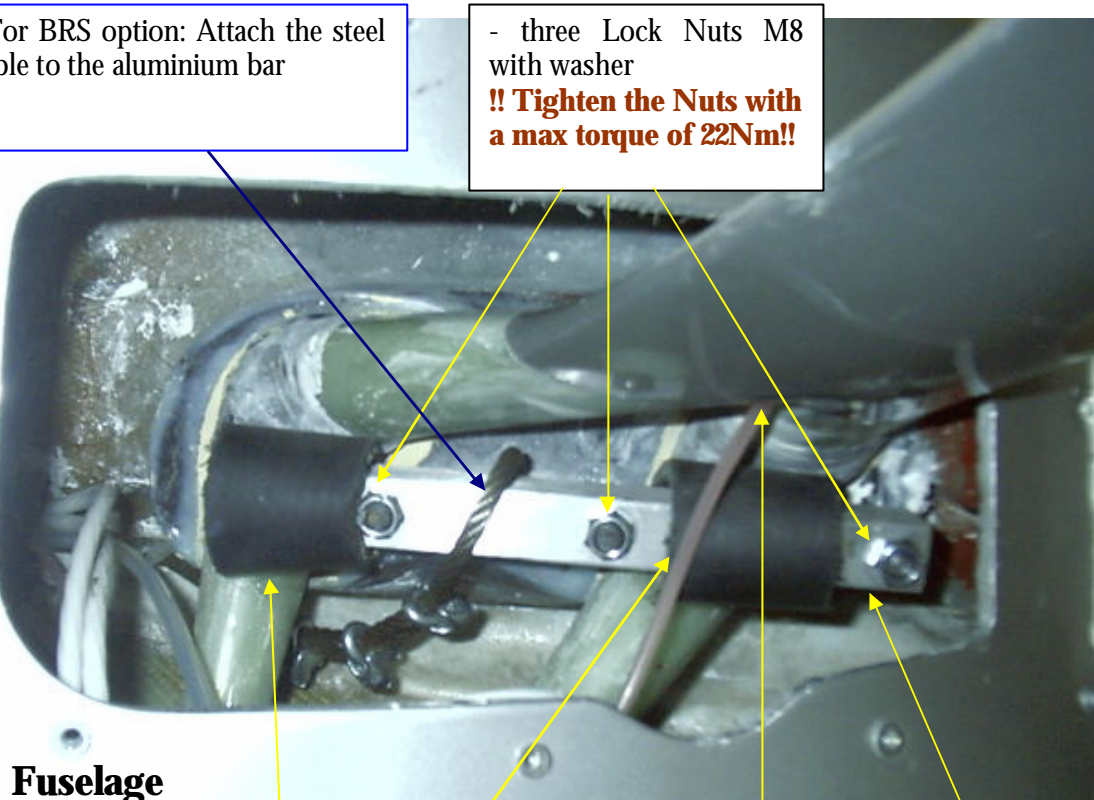
- One Layer Fibreglass fabric 296g/m² laminated in all the edges. (fill edges with cotton flox)
- Cover wood with resin!



8.3 Assambling the gear legs in the fuselage

- For BRS option: Attach the steel cable to the aluminium bar

- three Lock Nuts M8 with washer
!! Tighten the Nuts with a max torque of 22Nm!!

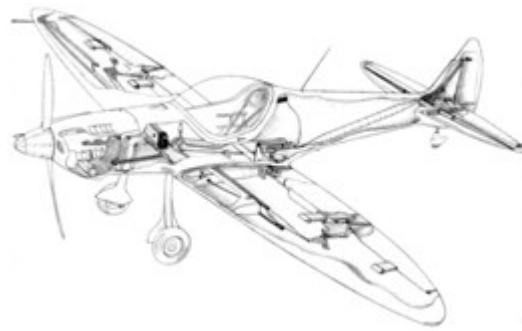


Fuselage Bottom

- Aluminum Bar

- Put the Rubber 140 x 60 x 1 under the gear leg into the mounting block
- Put the Rubber hose over the Aluminium Bar

- Brake Tube
(Put a rubber tube over the brake tube where the hole in the leg is!)



8.4 Fitting the wheel covers and the fairings to the fuselage and assambling the wheels

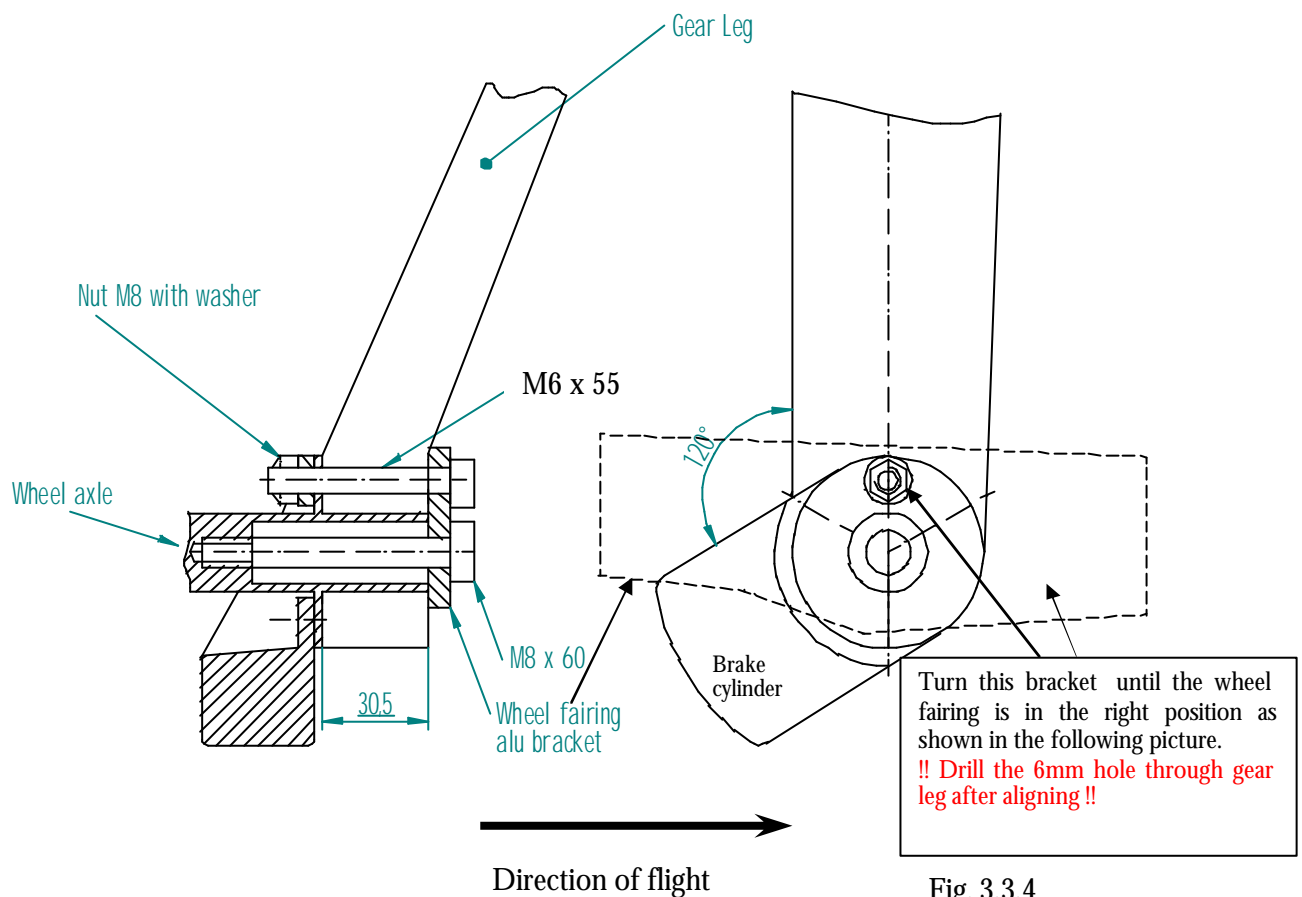
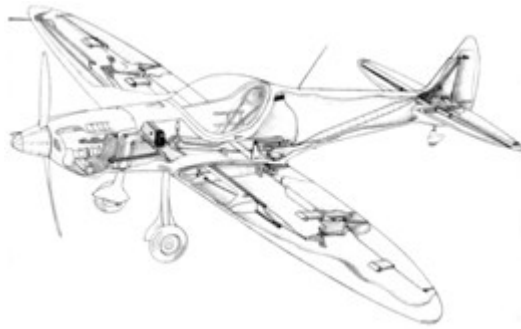


Fig. 3.3.4
connect wheel
hub and landing-
gear strut

Revision 1.5



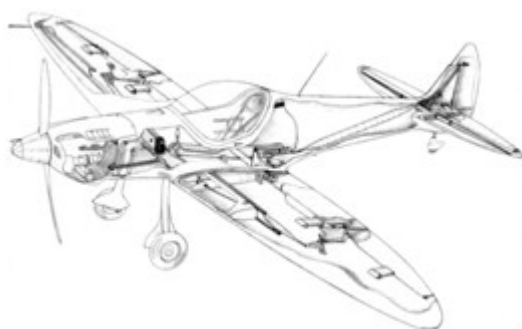
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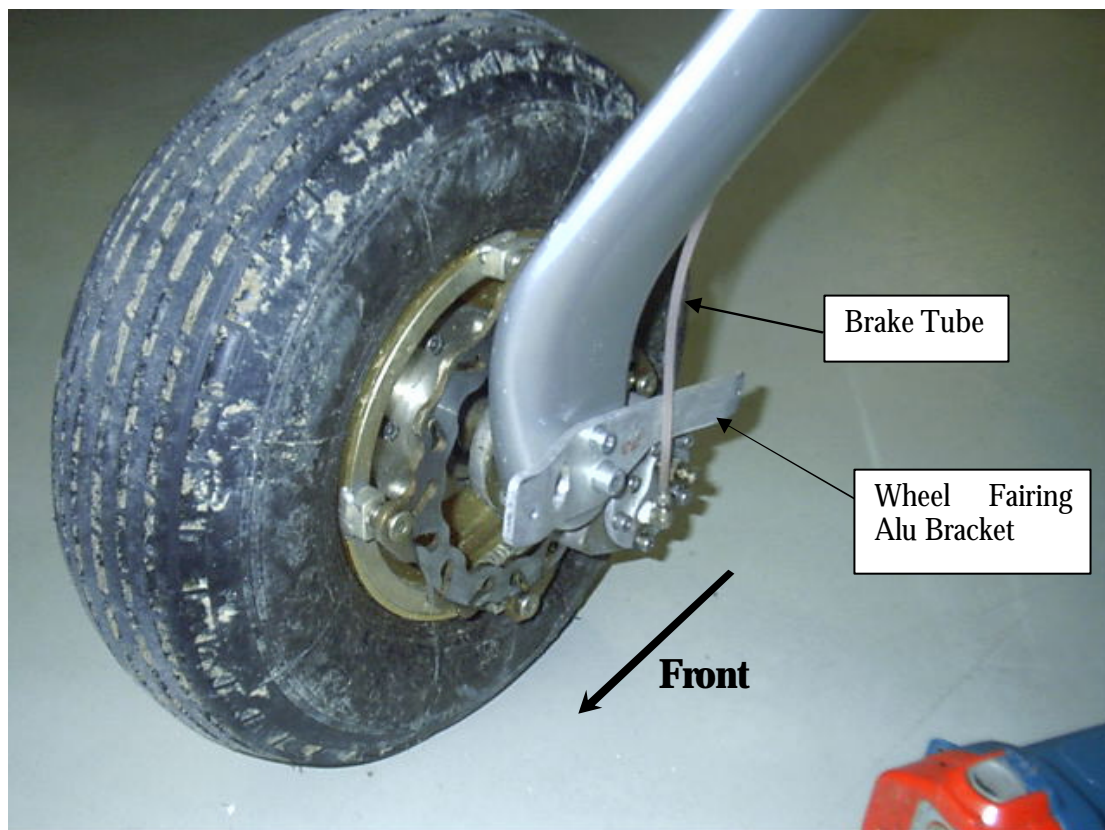
220mm
(When horizontal stabilizer in
horizontal position, lift the
fuselage tail up)

Revision 1.5

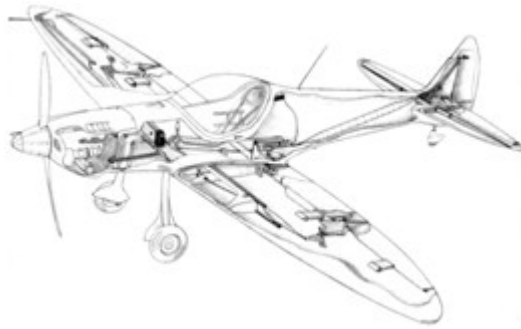


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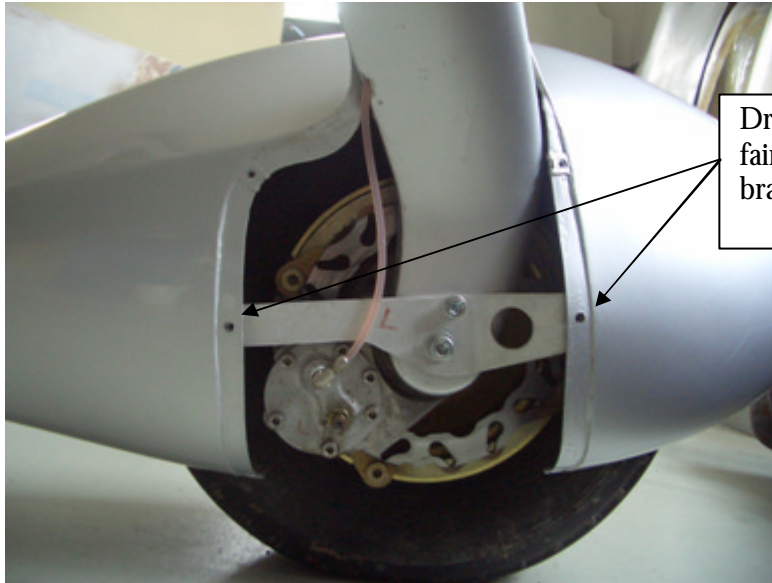


Revision 1.5

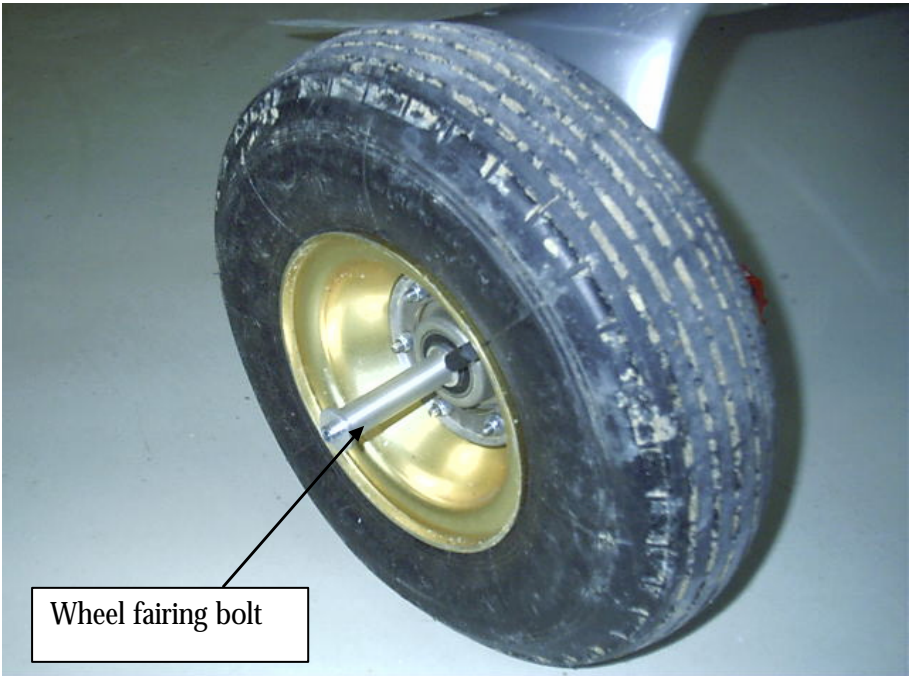
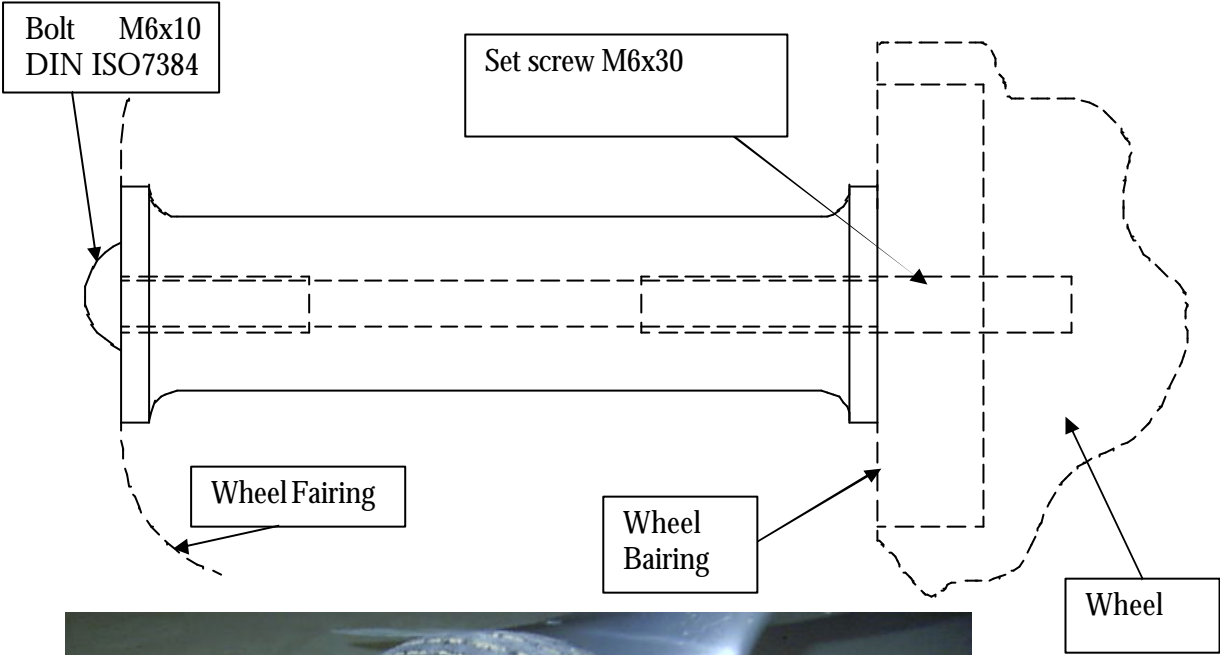
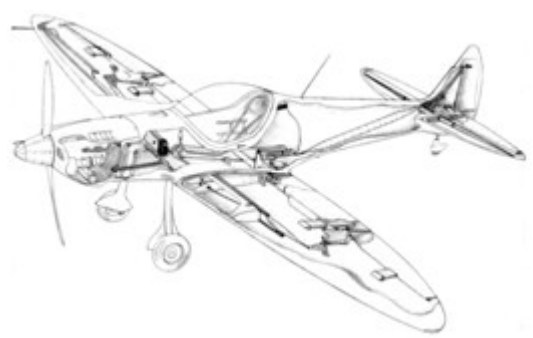


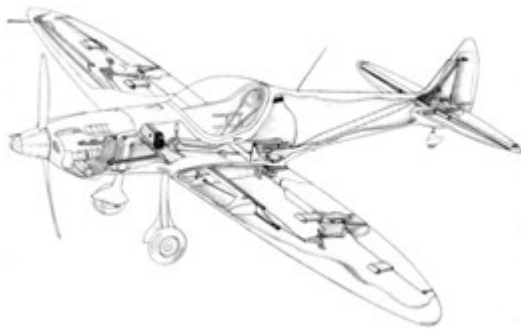
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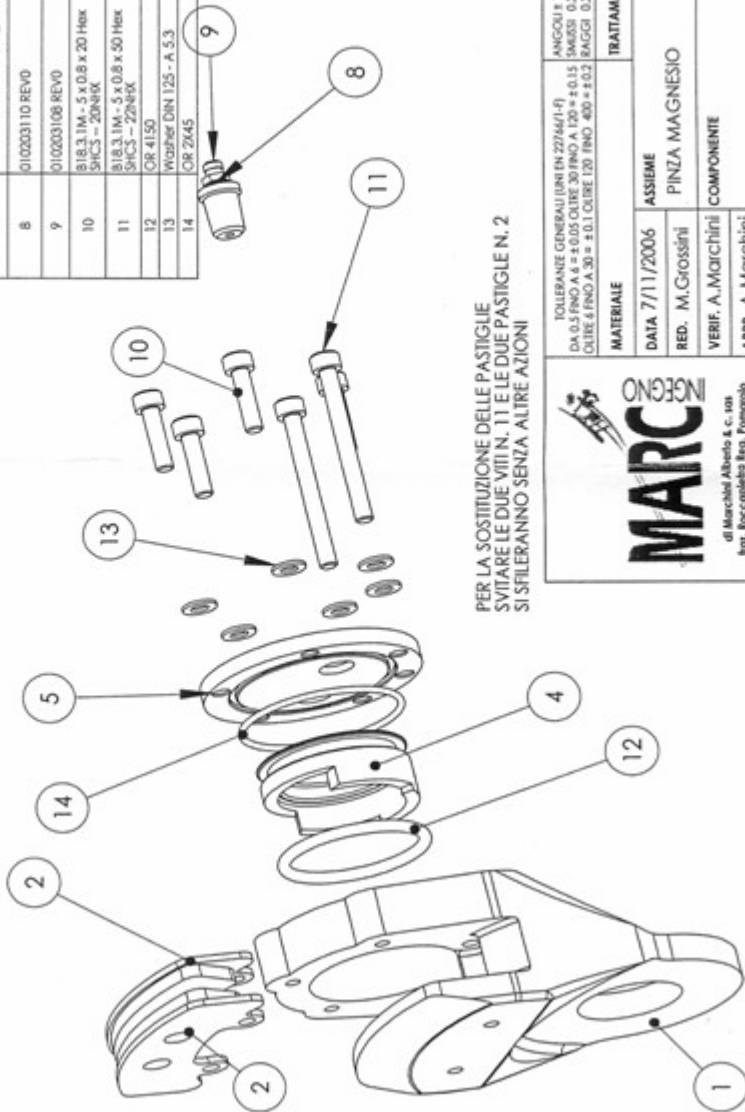


Drill holes through the wheel fairings and the aluminum bracket




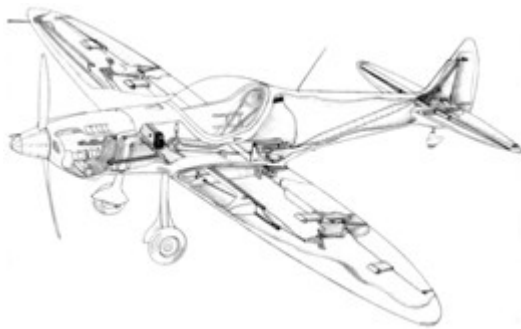


Num. articolo	Num. parte	Descrizione
1	010203201 REV1	CORPO PINZA MAGNESIO PISTONE 44
2	010203204-1 REV0	SUPPORTO PASTIGLIA PER PINZA 200
3	FERODO PER PINZA 200	
4	010203202 REV1	PERODO PER PINZA MAGNESIO DISCO 4 MM
5	010203203 REV2	TAPPO DI CHIUSURA PER PINZA MAGNESIO
6	Washer DIN 125 - A 5.3	
7	Plain Washer Grade A_DIN	
8	010203110 REV0	CORPO VALVOLINA REPLENIMENTO
9	010203108 REV0	SPILLO PER VALVOLINA REPLENIMENTO
10	818.3.1M- 5 x 0.8 x 20 Hex SHCS - 20NIVK	
11	818.3.1M- 5 x 0.8 x 50 Hex SHCS - 22NIVK	
12	OR 4150	
13	Washer DIN 125 - A 5.3	
14	OR 2645	



PER LA SOSTITUZIONE DELLE PASTIGLIE
SVITARE LE DUE VITI N. 11 E LE DUE PASTIGLIE N. 2
SI SFILERANNO SENZA ALTRE AZIONI

 MARC INGEGNERO di Marchetti Alberto & c. snc Via Roccapietra 100, 10010 13019 Vercelli (VC) - Italy		TOLLERANZE GENERALI (UNI EN 22764/1/2) DA 0.5 FINO A 50 mm OUTLINE 120 FINO A 1250 ±0.15 OUTLINE 5 FINO A 30 ±0.1 OUTLINE 120 FINO A 400 ±0.2		ANGOLI 1° ANGOLI 0.25 X 45° BAGGI 0.25	GREZZA LAVORATA RITIFICATA
MATERIALE		TRATTAMENTO			
DATA 7/11/2006		ASSEMBLE			
RED. M. Grossi		PINZA MAGNESIO			
VERIF. A. Marchini		COMPONENTE			
APPR. A. Marchini					
IL PRESENTE DISEGNO A TERMINI DI LEGGE NON PUO' ESSERE RIPRODOTTO O IN USO PUBBLICO SENZA LA NOSTRA APPROVAZIONE		FORM. A4		Foglio n.	
		SCALA		PART NUMBER	
				010203200 REV2	



Num. articolo	Num. parte	Descrizione
1	010102201 REV0	SEMICERCHIO 6" 7020 BASSO SPV CSD
2	010101222 REV0	SEMICERCHIO 6" 5754 ALTO CON FORO VALVOLA
3	010102207 REV0	MOZZO MAGNESIO PER CERCHI 5" E 6" POSTERIORI
4	010101203 REV0	GHERA INOX PER CERCHIO 5" E 6"
5	060106210 REV0	GROVER FORO 6
6	010102105 REV1	PERNO DI SCORRIMENTO
7	010102107 REV0	DISCO FRENO 4 MM MARGHERITA FORO 10 MM
8	010203200 REV2	PINZA MAGNESIO
9	010104101-1 REV0	ASSALE 4 FORI PER CERCHIO 6/80 PER 2 PINZE
10	DIN 625 - 6004 - 12 DE NC. 12, 68	
11	Washer ISO 8738 - 8	
12	ISO 7040-M6-N	
13	ISO 4762 M6 x 30 - 50N	

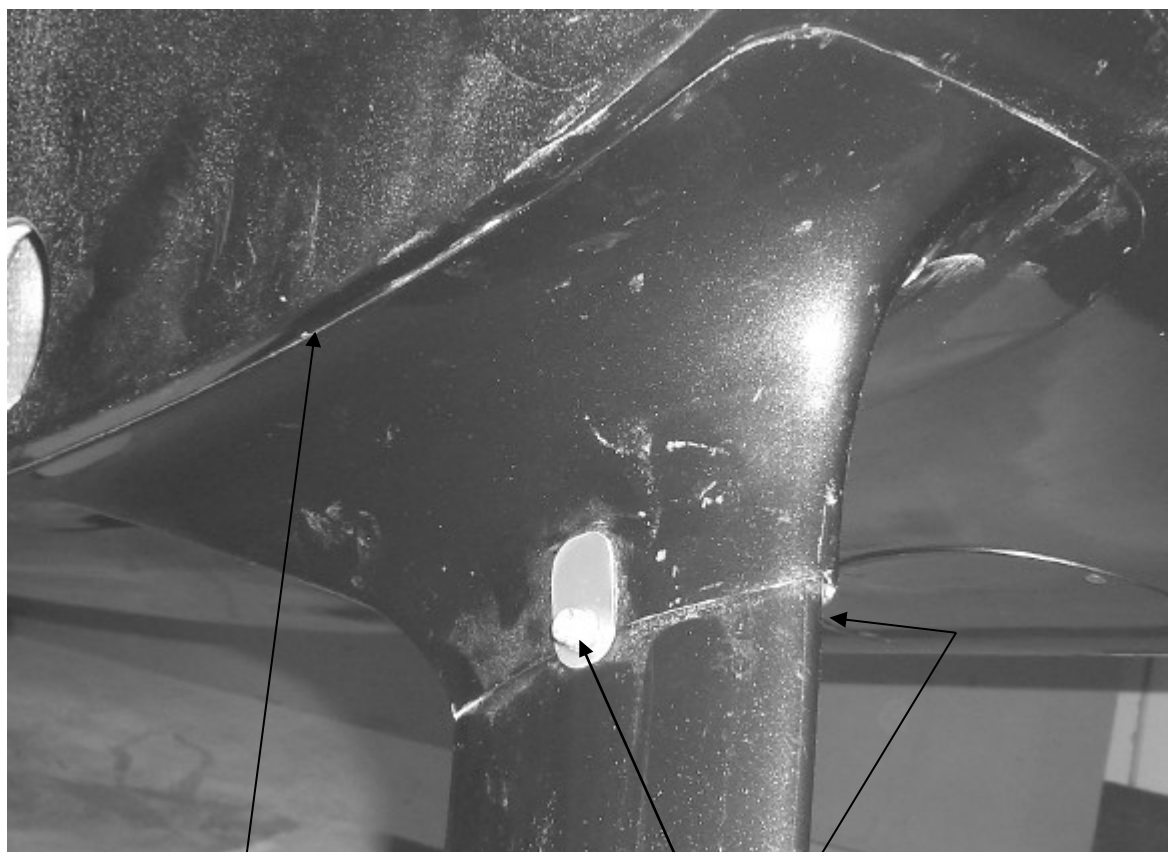
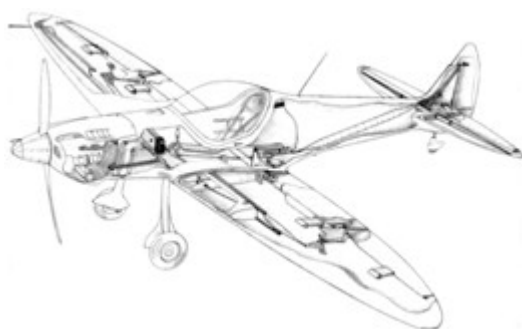
MARC
INGEGNERO
di Marchionni Alberto & c. snc
Via Boccaleone Reg. Formale
13019 Vercellese (VC) - Italy

IL PRESENTE DISEGNO A TERMINI DI LEGGE
NON PUO' ESSERE RIPRODOTTO O UTILIZZATO
SENZA LA NOSTRA APPROVAZIONE

MATERIALE		TRATTAMENTO	
TOLLERANZE GENERALI (UNEN 22766/1-F)		ANGOLI ± 1°	
DA 0.5 FINO A 6 ± 0.05 OLTRE 30 FINO A 120 ± 0.15		SMESSI 0.25 X 45°	
OLTRE 6 FINO A 30 ± 0.1 OLTRE 120 FINO 400 ± 0.2		RACCHI 0.25	
		SCORCIATA	
		GREZZA	
		FINITA	
		RETTIFICATA	

DATA	07/11/2006	ASSEMBLE	SCHEMA DI MONTAGGIO
RED.	M. Grossini	KIT CERCHI 6" X 80 PINZE MAGNESIO	
VERIF.	A. Marchionni	COMPONENTE	
APPR.	A. Marchionni		

FORM.	SCALA	PART NUMBER	Foglio n.
A4	1:10	010102210 REV1	

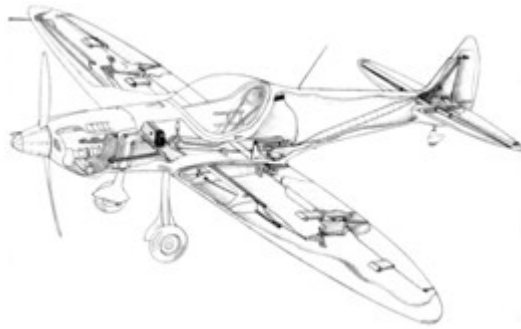


The fairing must be pressed to the fuselage bottom while installing the two M6 bolts.

The fairing must be moveable to the fuselage bottom!

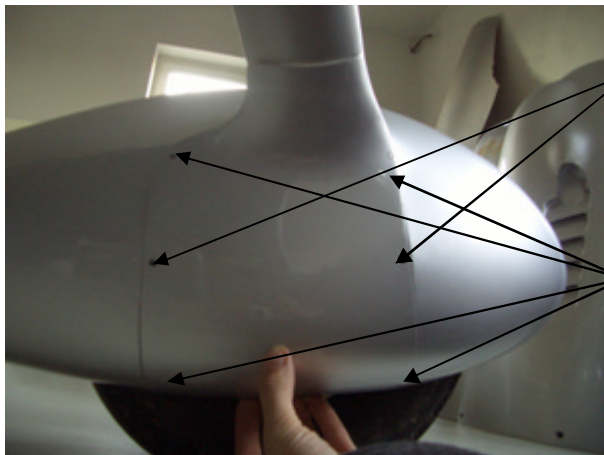
Fairing is attached with one M6 bolt from the outside and one M6 bolt from the inside to the gear leg
(A M6 threaded hole can be drilled into the centerline of the leg.)

Revision 1.5



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Srew fairing coverplate with two bolts M6x10 zn DIN ISO7384 through wheel fairing and alu bracket

Screw fairing coverplate to wheel fairing with four screws