

REVISION LIST

CHAPTER 13: FIREWALL FORWARD (PART 1)

The following list of revisions will allow you to update the Legacy construction manual chapter listed above.

Under the “Action” column, “R&R” directs you to remove and replace the pages affected by the revision. “Add” directs you to insert the pages shows and “R” to remove the pages.

<u>PAGE(S) AFFECTED</u>	<u>REVISION # & DATE</u>	<u>ACTION</u>	<u>DESCRIPTION</u>
13-1	1/09-18-02	R&R	Part # correction
13-2	1/09-18-02	R&R	Part # correction
13-3 through 13-9	0/02-15-02	None	Current revision is correct
13-10 through 13-11	1/09-18-02	R&R	Text correction
13-12	1/09-18-02	R&R	Part # Corrections
13-13	1/09-18-02	R&R	Text Correction
13-14	1/09-18-02	R&R	Part # Correction
13-15	1/09-18-02	R&R	Correction of fig. 13:E:1
13-16	1/09-18-02	R&R	Part # Correction
13-17	1/09-18-02	R&R	Part # Correction
13-18	1/09-18-02	R&R	Part # Correction
13-19	1/09-18-02	R&R	Text and Fig 13:F:3 Correction
13-20	1/09-18-02	R&R	Correction of fig. 13:F:4
13-21	1/09-18-02	R&R	Correction of fig. 13:F:5 Text correction
13-22	1/09-18-02	R&R	Text correction
13-23 through 13-26	0/02-15-02	None	Current Revision is Correct
13-1	2/06-30-04	R&R	Deleted items from parts list.
13-10	2/06-30-04	R&R	Added instruction.
13-11	2/06-30-04	R&R	Added instruction.
13-13	2/06-30-04	R&R	Updated instructions. Added photo.
13-15	2/06-30-04	R&R	Updated part numbers.

PAGE(S) AFFECTED	REVISION # & DATE	ACTION	DESCRIPTION
13-17	2/06-30-04	R&R	New figure 13:F:2 - Nose gear plunger.
13-21	2/06-30-04	R&R	Updated gear door information.
13-22	2/06-30-04	R&R	Updated gear door information.
13-23	2/06-30-04	R&R	Updated gear door spring information.
13-24	2/06-30-04	R&R	Updated gear door plunger information.
13-25	2/06-30-04	R&R	Updated gear door bracket information.
13-26	2/06-30-04	R&R	Updated figure 13:G:1.
13-2	3/12-15-04	R&R	Updated parts list.
13-18	3/12-15-04	R&R	Intentionally blank due to new nose gear door plunger.
13-19	3/12-15-04	R&R	New dimension and instructions.
13-22	3/12-15-04	R&R	Added photo.
13-23	3/12-15-04	R&R	Corrected geometry.
13-24	3/12-15-04	R&R	Updated photo.
13-1 thru 13-2	4/09-29-06	R&R	Corrected parts list.
13-6	4/09-29-06	R&R	Updated torque for engine mount to firewall.
13-10 thru 13-11	4/09-29-06	R&R	Added washers between engine mount and firewall.
13-12	4/09-29-06	R&R	Corrected drawing and added update.
13-1, 13-2, 13-12	6/08-10-07	R&R	Part number change only.
13-2, 13-11, 13-12, 13-14, 13-15, 13-17, 13-18, 13-23, 13-24, 13-25,	6/08-10-07	R&R	Parts changed and new nose gear assembly.
13-2, 13-14b	7/09-10-08	R&R	New page for alternative nose gear installation and update to the parts list.

#	PART NO. (P/N)	QTY	DESCRIPTION	OPTIONAL ITEM <i>(not included with kit)</i>
550/540 - NOSE GEAR INSTALLATION				
1)	4701	1	Nose Gear w/ Fork and Bushing (or alternative part 432-0005)	
2)	4717-01	1	Nose Gear Bearing Block, Left	
3)	4717-02	1	Nose Gear Bearing Block, Right	
4)	433-0001 4721	2	Over-center Link Arms	
5)	4722	2	Bushing	
6)	4736	1	Nose Gear Ball Stud	
7)	F45-19	1	Bearing, Rod End	
8)	AN3-10A	3	Bolt, Undrilled	(**Yes 2 with tow bar plate)
9)	AN3-12A	4	Bolt, Undrilled	(**Yes 2 with tow bar plate)
10)	AN4-11A	4	Bolt, Undrilled	
11)	AN4-12A	9	Bolt, Undrilled	
12)	AN4-13A	2	Bolts, Undrilled (With Tow Bar Plate Option)	**Yes
13)	AN5-7	1	Bolt, Undrilled	
14)	AN5-41A	1	Bolt, Undrilled	
15)	112-0026 6381K103	2	Bushing	
16)	RR-01	2	Circlip	
17)	198-0004 9416K77	2	Clip, Safety	
18)	MS24665-140	3	Cotter Pin	
19)	HC-08	1	Hydraulic Cylinder, Nose Gear	
20)	AN363-1032	7	Lock Nut, All Metal	
21)	AN363-428A	2	Lock Nut, All Metal	
22)	AN363-524	2	Lock Nut, All Metal	
23)	AN365-428A	5	Nut, Nylock	
24)	AN310-5	3	Nut, Castle	
25)	AN316-5	1	Nut, Check	
26)	198-0003 9416K71	2	Socket, Steel Ball	
27)	160-0002 9416K15	1	Strut, Gas	
28)	198-0006 9512K73	1	Stud, Ball	
29)	TB-1-03	1	Tow Bar Plate	**Yes
30)	TB-1	1	Tow Bar	**Yes
31)	AN960-10	20	Washer, Flat	
32)	AN960-10L	10	Washer, Flat	
33)	AN960-416	4	Washer, Flat	
34)	AN960-516	14	Washer, Flat	
35)	AN960-516L	10	Washer, Flat	
36)	110-0002	4	Washer, Thrust	
37)	212-0073	2	Keeper Plate	

NOSE GEAR MICRO SWITCH

1)	1XE1-T	1	Micro Switch, Nose Gear
2)	JM-1	1	Switch Arm

Note:

Optional Parts available through :
 (*) **Lancair Avionics**
 (**) **Kit Components, Inc.**

#	PART NO. (P/N)	QTY	DESCRIPTION	OPTIONAL ITEM <i>(not included with kit)</i>
NOSE WHEEL & TIRE				
1)	4785	1	Anti-tube-pincher-deal™	
2)	AN4- 47A 51A	1	Bolt, Undrilled	
3)	AN3-3A	4	Bolt, Undrilled	
4)	AN365-428A	5	Nut, Nylock	
5)	TR-5 x 8 PLY	1	Tire	
6)	TU-5.00-11 x 4	1	Tube	
7)	AN960-416	10	Washer, Flat	
8)	AN960-10	4	Washer, Flat	
9)	GM035-2	1	Wheel, Nose	
10)	Z02E276	1	Axle	
11)	GM038	1	Axle bushing	
NOSE GEAR DOORS (Obsolete parts were removed from this list due to space constraints.)				
1)	6061-T6	6 ft	1 1/4" x 1 1/4" x 1/8" Gear Door Rails (approx. 36")	
2)	GM318-01	2	Gear Door, Nose (approx. 35")	
3)	GM320-36	2	Aluminum Gear Door Stiffener (34")	
4)	MS20001	2	Hinge, Piano (34")	
5)		1	Phenolic crush plate, 3" x 1.125"	
6)	240-0001	1	Nose gear door assembly	
7)	AN3-6A	1	Bolt, 10-32 x 25/32	
8)	AN960-10L	4	Washer, lite 3/16	
9)	HFC-3AU	12	Female rod ends	
10)	BJ-04	2	Rod ends	
11)	AN3-7A	7	Bolt	
12)	AN315-3	2	Checknuts	
13)	209-0018	2	Bracket	
14)	AN3-10A	4	Bolt, Undrilled	
15)	AN5-20	2	Bolt, Drilled	
16)	AN363-1032	4	Nut, Lock (All metal)	
17)	AN365-1032A	142	Nut, Nylock	
18)	K1000-3	22	Nutplate	
19)	AN426A3-5	44	Rivet	
20)	AN426AD3-5	68	Rivet	
21)	MS24694-S48	22	Screw	
22)	MS24694-S50	4	Screw	
23)	AN526-1032R14	42	Screw, Washer Head	
24)	AN960-10	23+4	Washer, Flat	
25)	CN614CR3P		Nutplate	
26)	MS24694-S51		Screw, Machine	
27)	AN960-10L	3	Washer, Flat	

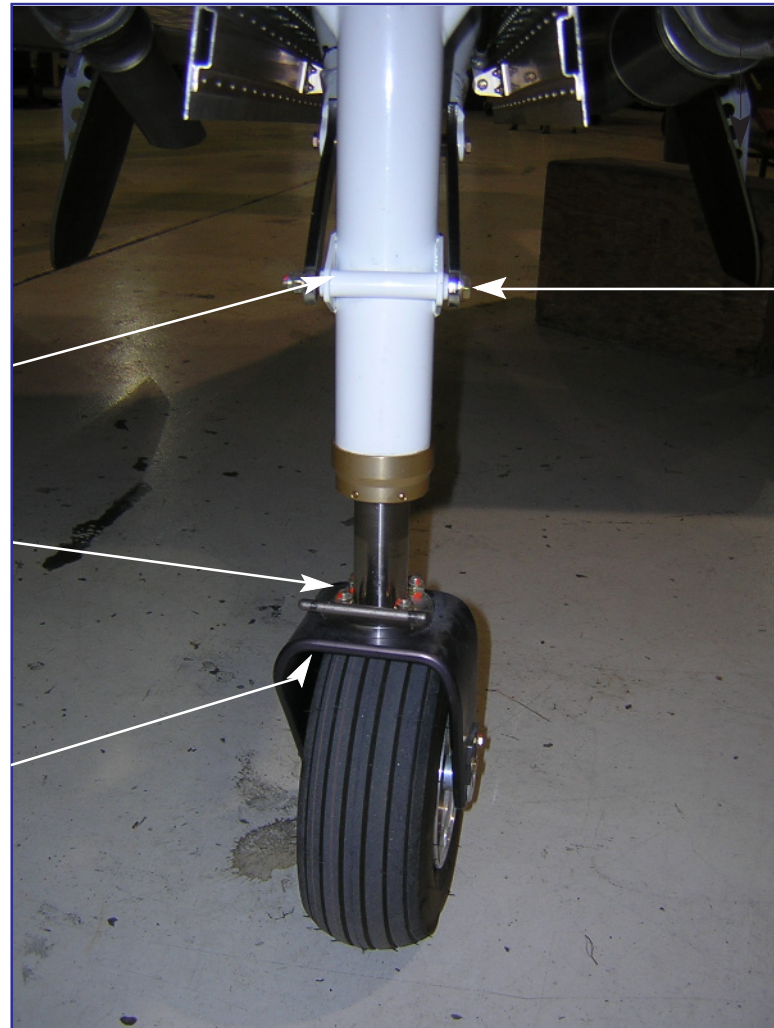


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Alternative Nose Gear Installation

Parts used for this alternative installation are the same as the parts used on the previous page. For greater detail, please refer to the previous page.

Nose Gear, [432-0005 for the retractable gear*](#)
(includes the fork)



Bushing supplied with
nose gear strut

Bolt, AN4-12A (4 pcs)
(With the optional Tow
Bar Plate, the front two
bolts are AN4-13A).

Washer, AN960-10
(4 pcs)
Locknut, AN365-428A
(4 pcs)

Bolt, AN5-41A

Alternative Nose Gear Installation Fig. 13:D:1b

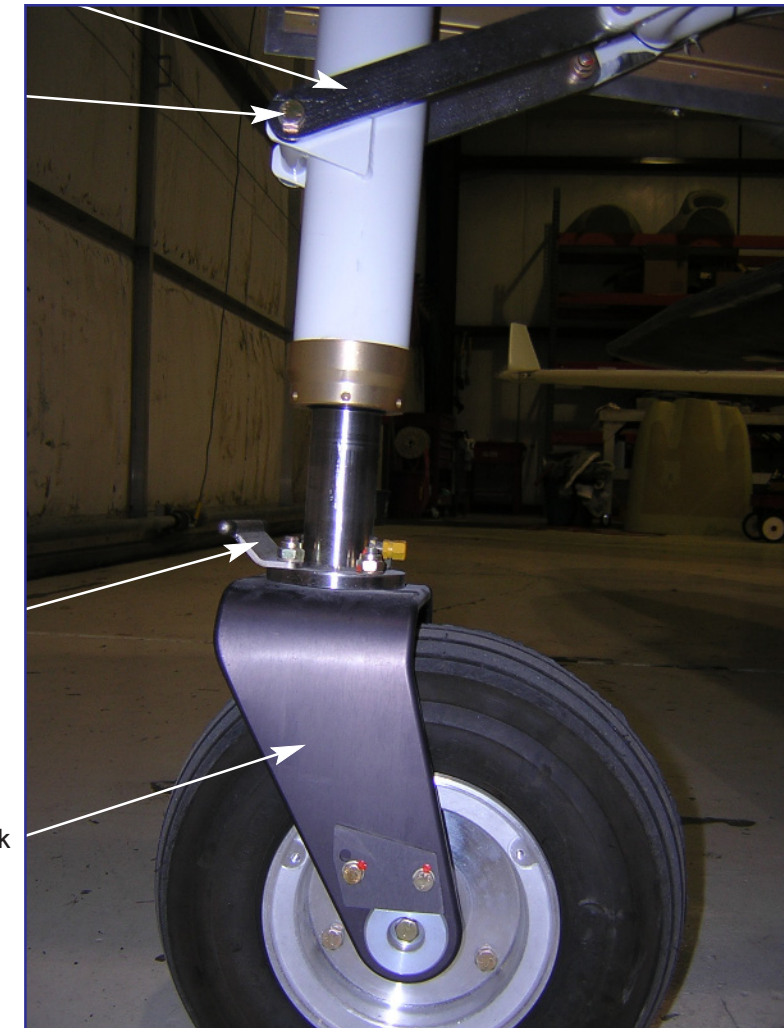
Over-center link arms
[433-0001](#) 4724(2 pcs)

Washer, AN960-516
(2 pcs)
Locknut, AN363-524

Tow Bar Plate
TB-1-03

Fork

Nose Gear, [432-0005 for the retractable gear*](#)
(includes the fork)



* Note: The part number for the fixed
gear's nose gear is 432-0002.