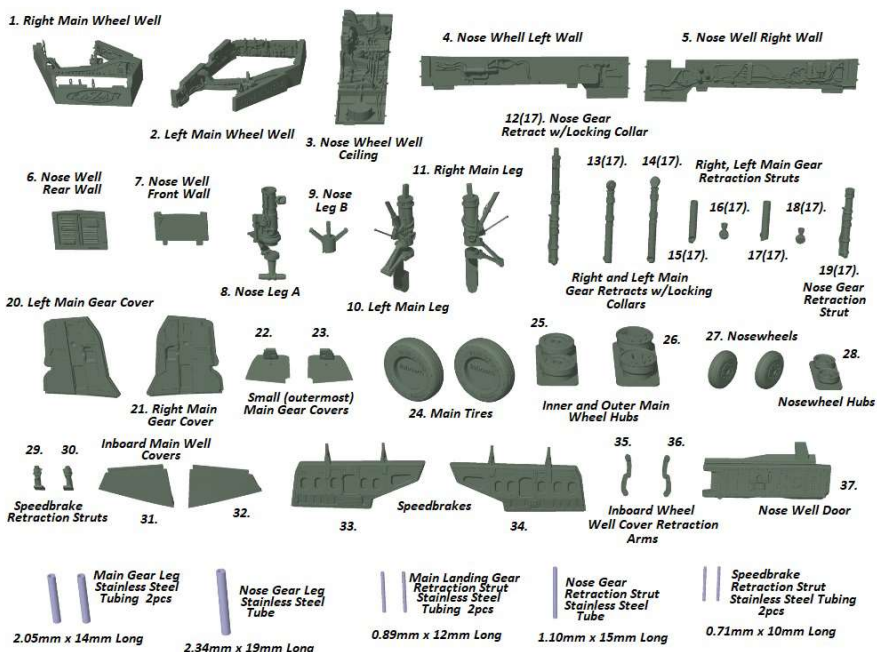


**Parts Index: This Set contains 42 3D Prints and 8 Stainless Steel Tubes Cut to Length**



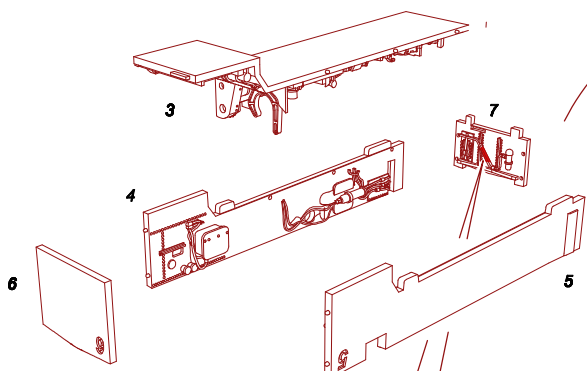
**Notes:**

Study this instruction leaflet carefully to understand how this set works with the Tamiya kit.

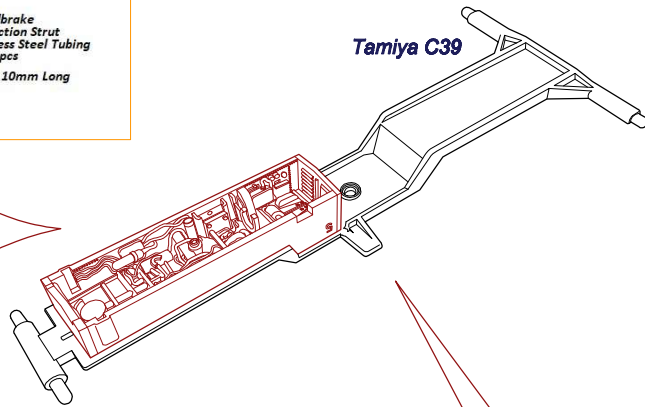
Please be aware that the tubing supplied with this kit serves two equally important functions. First, it represents the oleo and retraction pistons extremely well. Achieving their desired look is very simple because of the material. It is very scuff resistant and needs no masking when painting the landing gear units. Primer, paint and overcoats simply scrape off leaving a realistic sheen. Secondly, they provide structural integrity to the landing gear, and as such, they need to be securely adhered to the 3D printed parts, especially in the nose and main struts (Parts 8, 10 and 11).

The nose and main gear struts have a printed support structure resembling a cage at the torque links. This is essential for the parts to print correctly and also to maintain the correct spatial geometry. It's best to not remove all of these connections prior to the installation of the tubes. Leave one or two in place, allowing the removal of the others to aid in the insertion of the stainless steel tubes.

**Nose Well**



Remove relief detail indicated in red to allow proper fit of main nose gear strut.



Remove all the nose well relief detail from Tamiya C39. This includes the lip along the border area of the part. Don't remove more than the relief, because that will cause your wheel well to sit too far from the lower fuselage (Tamiya R3), resulting in a gap between the well and the fuselage. There can be a slight hint of the relief detail left over on C39.

**Main Wells**

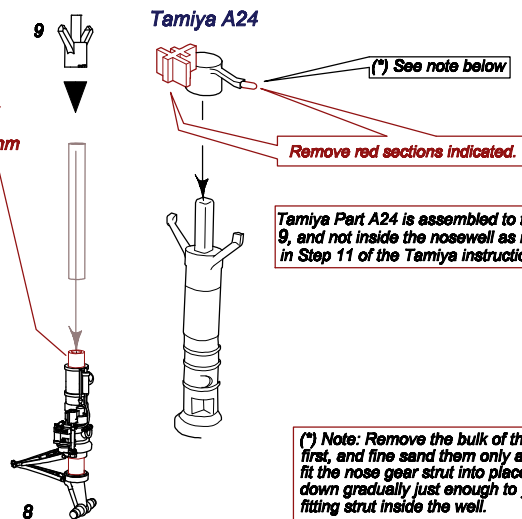
Left side shown

Tamiya A1

Remove these locators from Tamiya Part A1, but leave the main landing gear leg attachment point in place as is.

The Main Wheel Wells (1 and 2) have a few delicate protrusions. Be careful not to break these off while handling the parts. That'd be a shame...

**Nose Gear**



(\*) See note below

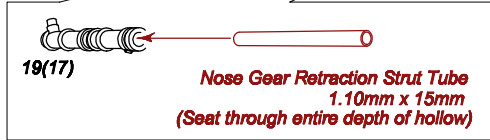
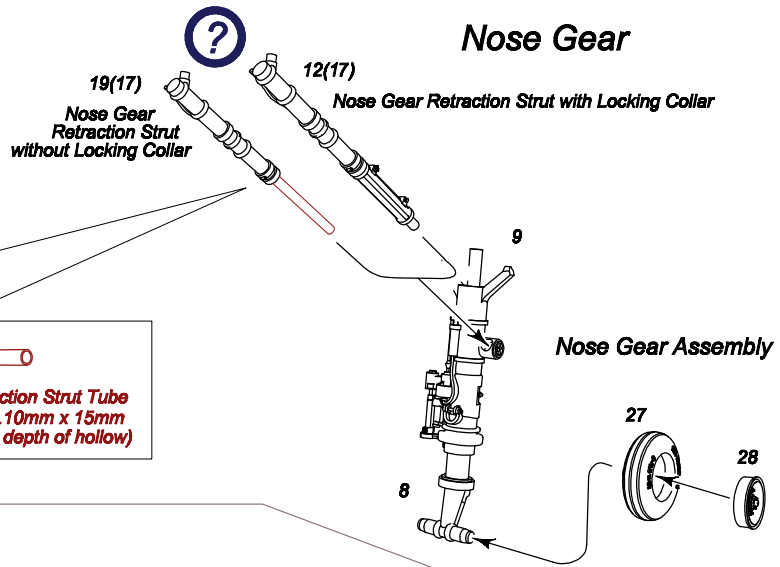
Remove red sections indicated.

Tamiya Part A24 is assembled to the strut, 9, and not inside the nosewell as indicated in Step 11 of the Tamiya instructions.

(\*) Note: Remove the bulk of these tabs first, and fine sand them only as you dry fit the nose gear strut into place. Sand them down gradually just enough to yield a close fitting strut inside the well.

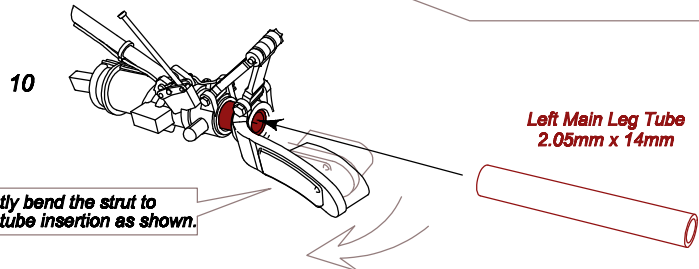
Note: the 17 numerals in brackets are not opposite side designators. These are used in our inventory system to differentiate between items that are designed to be used with the original Tamiya wheel wells, and those to be used with ours. Their variations are minor and are virtually interchangeable, if you disregard attachment points inside the wells.

## Nose Gear



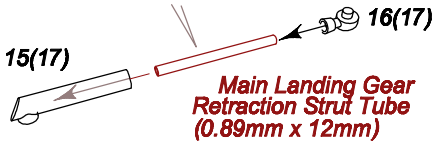
## Main Gear

Confirm the correct lengths of all metal parts. The hollows into which they fit will set them into their correct positions. This, in turn, will set the ends of the Main Gear Retraction Struts (Parts 16(17) and 18(17)) to where they should be, giving the correct strut length within the Tamiya wheel wells. It will also result in the collarless Nose Gear Retraction Strut 19(17) being the correct length to allow it to sit properly on the Nose Gear Strut (8).



Be aware that the angle of Part 16 with respect to Part 15 is important. Secure 16 to the tube, then insert the tube into the main jack (15). Glue it in **only** after the gear (8, 9) is secured in place. Use a glue like 5 minute epoxy to allow time for length adjustment and/or rotation as needed. Microscale's Liquitape is also a very useful tool for these types of assemblies.

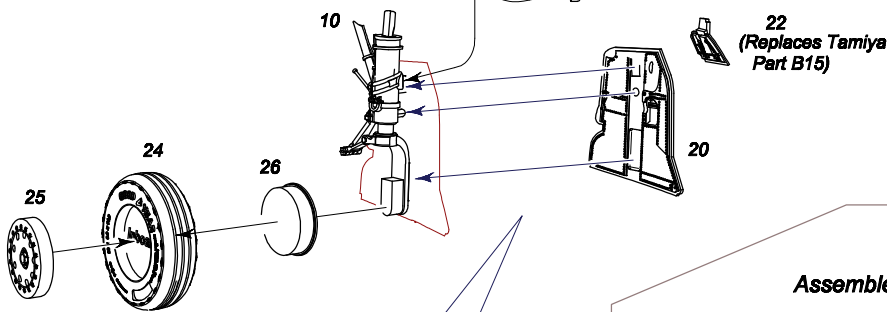
Right Retraction Strut Shown



17(17)  
Main Gear Retraction Strut without Locking Collar

14(17)  
Main Gear Retraction Strut with Locking Collar

Left Gear Shown



Left Wheel Well

First, glue the inner cover (31) in place, then the retraction arm (36). This is another one of those applications that a product like Microscale's Liquitape is very well suited for to temporarily hold small items in place for gluing. Just sayin'...

Please Note: The three blue arrows indicate the three points of contact between the gear proper (10) and the cover (20). It is essential that these points are solid connections as these will provide the necessary structural integrity for a permanently stable assembly.

## Speedbrake Arrangement (left shown)

Assemble Speedbrakes in position as per Tamiya instructions.

Speedbrake Retraction Strut Tube  
0.71mm x 10mm

