



How to make Ferrari F40, Ferrari 312PB, and Alfa 33 SSD compatible.

This document applies to the Slot.it Ferrari F40, Ferrari 312PB, and Alfa33 models. These cars are sold as 'SP15' compatible. However for a number of technical reasons, we were never happy with the way SP15 was designed so it was never released to the public. At the time of writing, redesign of SP15 is under way and we expect it to be available in a few months' time.

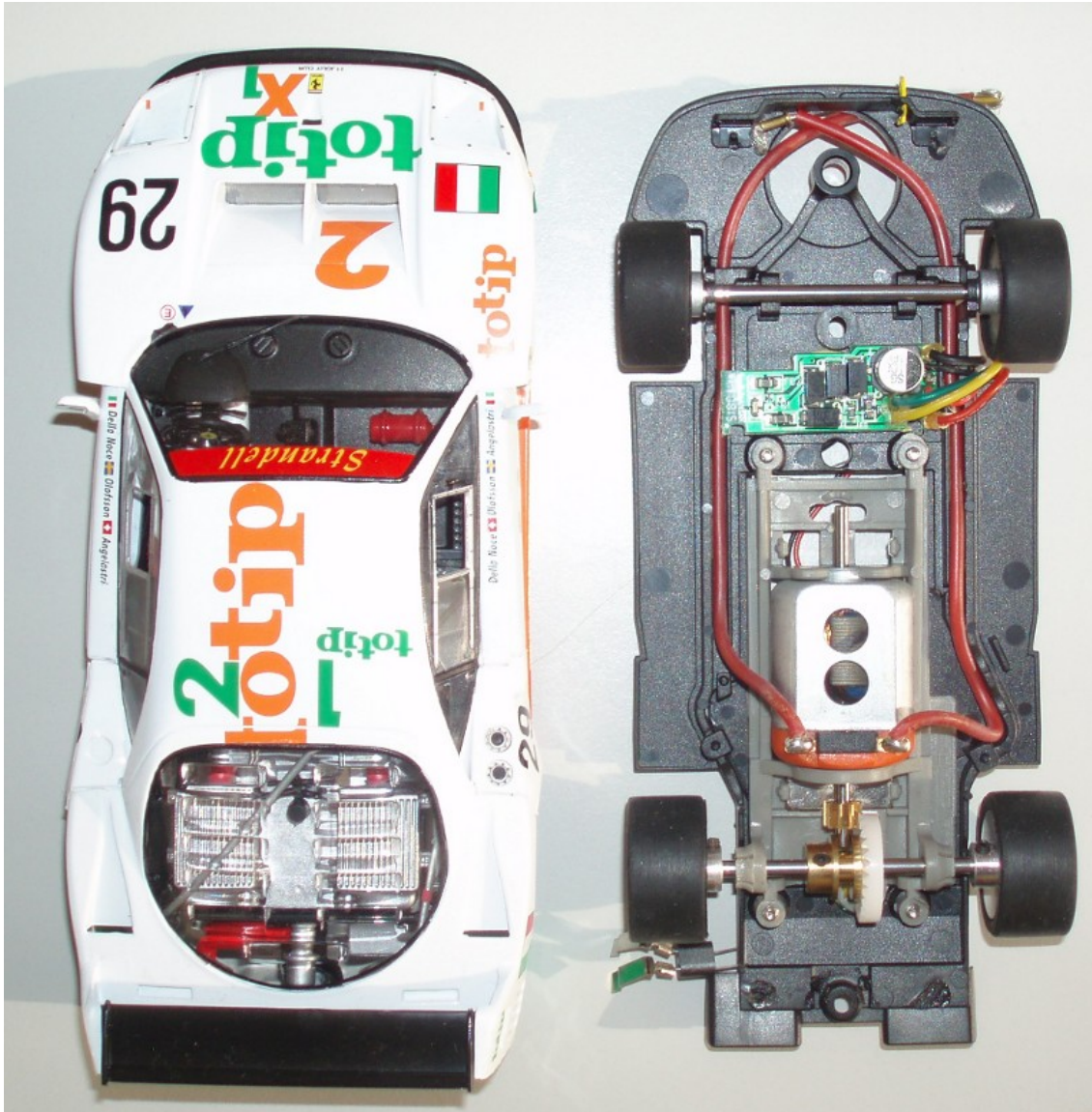
So, for owners of above said models, the solution currently is to use Hornby's own 'F1 chip' code 7005.

The instructions and pictures below describe how to put it in place in the Alfa and Ferrari models.

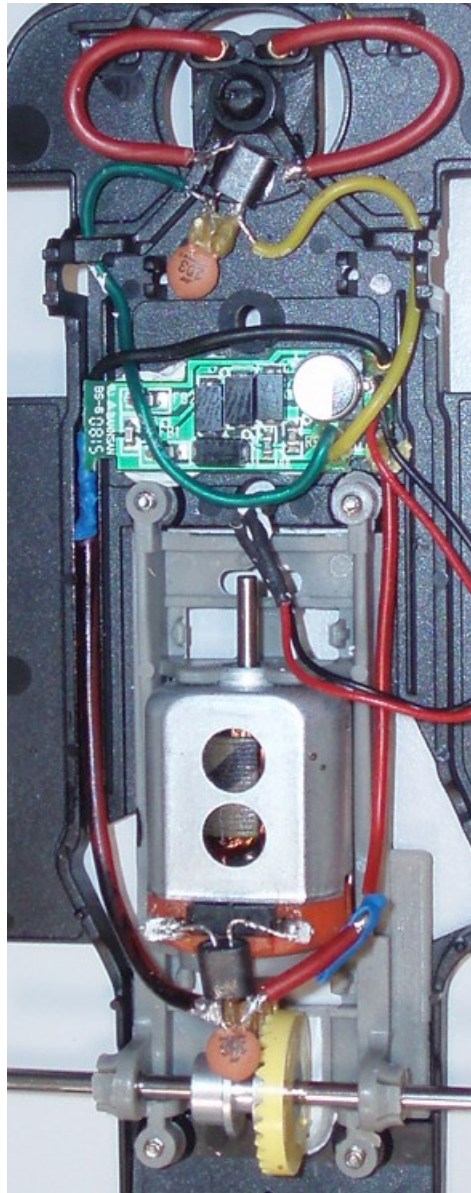
Note that currently Ferrari 312PB and Alfa 33 chassis do not have any holes for the LED, which must be drilled through.

1. Ferrari F40

1. Open the car and desolder the original wires from the motor.
2. Assemble the SSD chip in the car, according to the image.



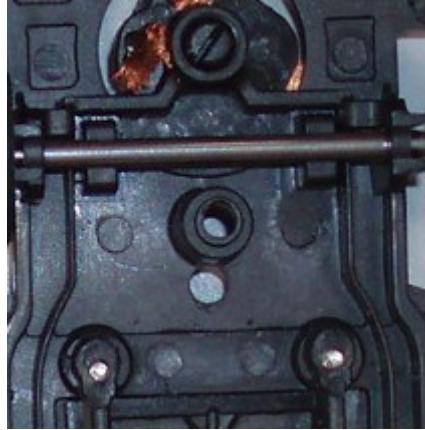
3. Route the cables following the picture (unless you have a better way, which is likely). Note the polarity of green and yellow guide cables, and of red and black power cables.
4. Cut approx 2.5 cm of the original (Slot.it) motor wire and solder to one end of the 'ferrite man'. Plug the brass terminal in the pickup. Do this for both cables. With the remaining pieces of the Slot.it cables, extend the black and red SSD chip cables to reach the motor and its ferrite and capacitor. Insulate the joint with nail polish or, better, heat-shrinking sleeve. Alternatively, a better way is to remove the original red and black power cables and replace with trimmed-to-measure Slot.it motor wires. Plug wires in the pickup.



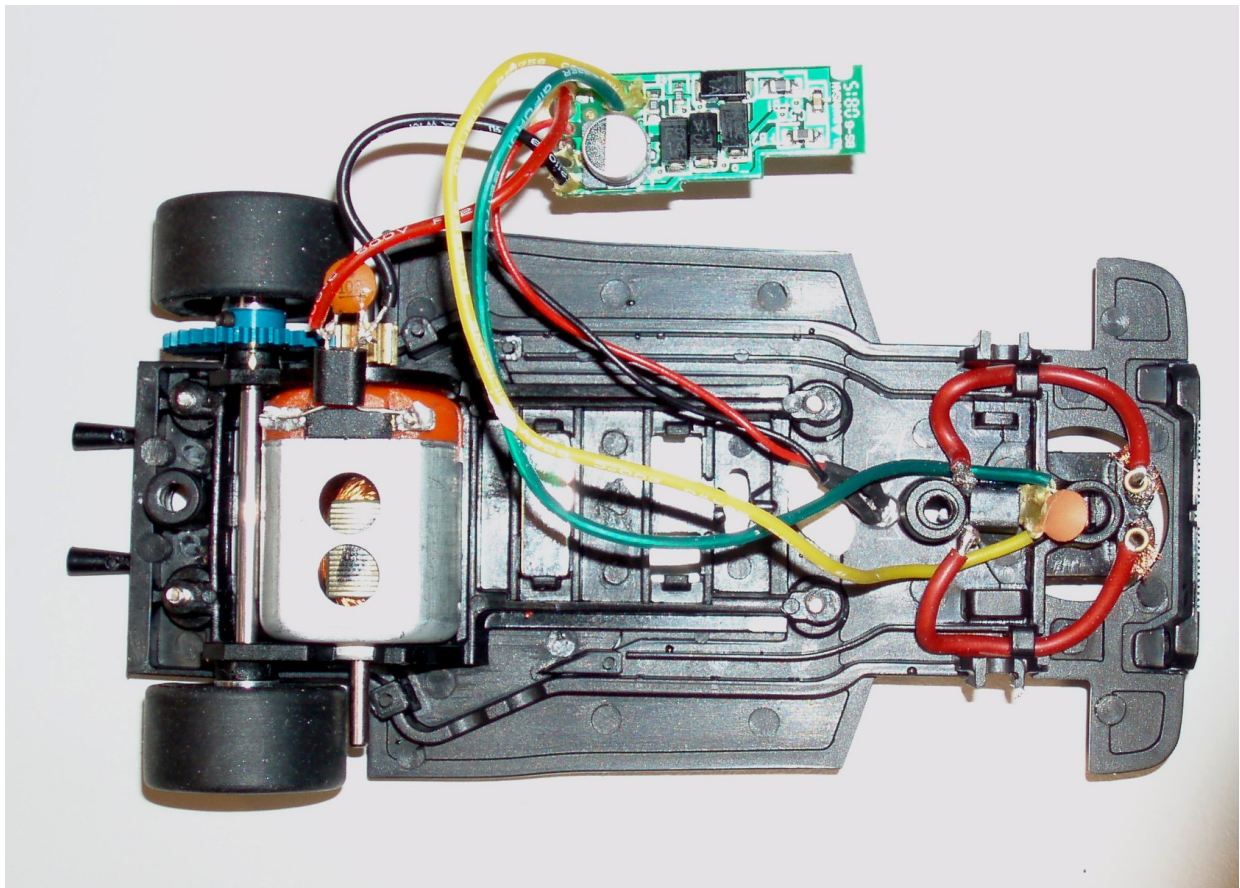
5. Due to technical specifications of Hornby F1 SSD chip 7005, the use of magnet is not recommended, to avoid potential damage to the chip itself.
6. If only one ferrite/capacitor couple is available, place it near the motor and not near the pickup.

2. Alfa 33 and Ferrar 312 PB

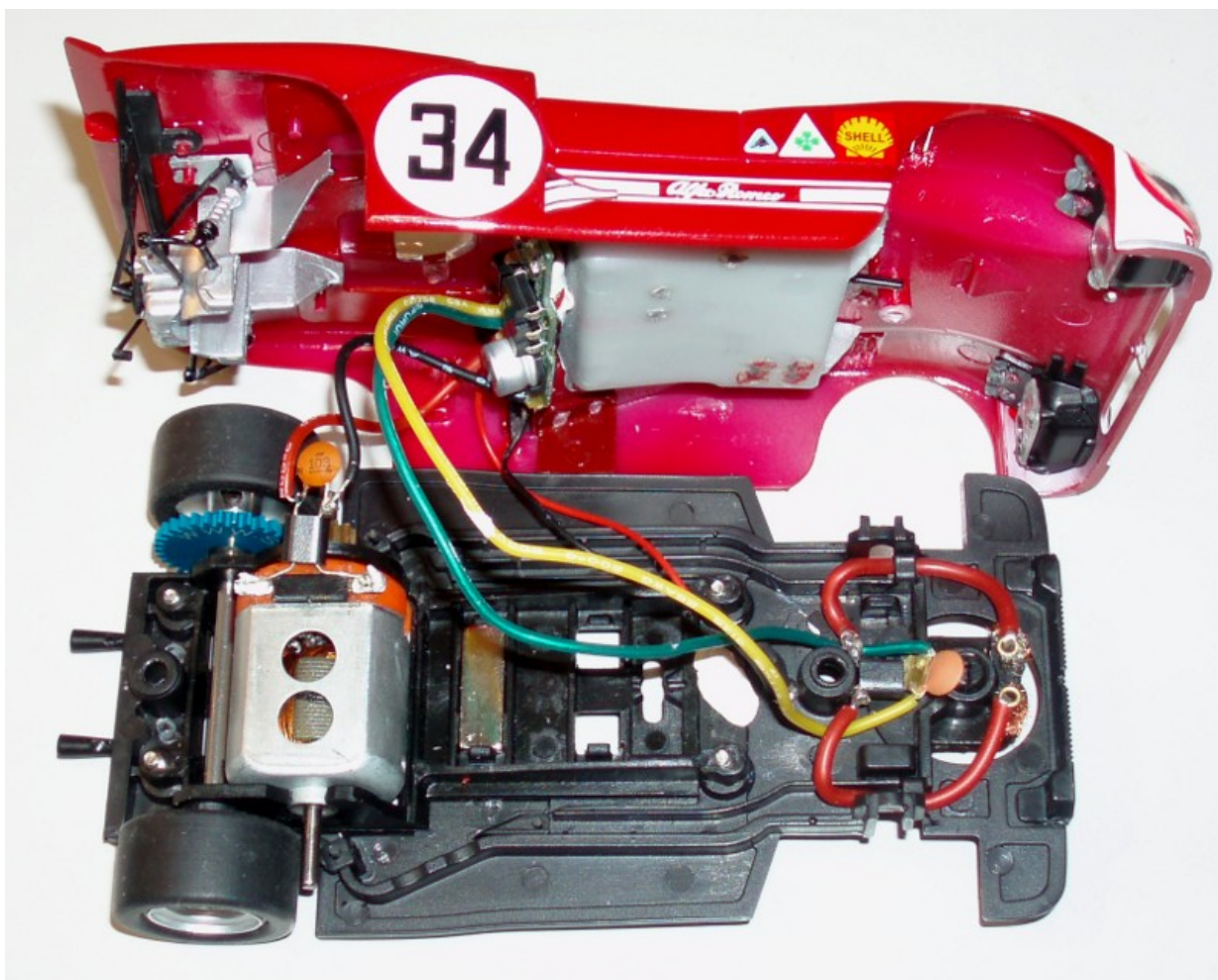
1. Open the car and desolder the original wires from the motor.
2. Drill a 3mm hole in the chassis, as shown in the picture, right behind the front body screw holder:



3. Route the cables following the picture (unless you have a better way, which is likely). Note the polarity of green and yellow guide cables, and of red and black power cables.
4. Cut approx 2.5 cm of the original (Slot.it) motor wire and solder to one end of the 'ferrite man'. Plug the brass terminal in the pickup. Do this for both cables.



5. Stick the SSD F1 chip behind the cockpit. Solder the SSD power wires to the motor.



6. The car is now ready. While reassembling it, it is wise to make sure that the green and yellow cables are routed on the side of the cockpit, to avoid interference with the chassis and body.
7. Due to technical specifications of Hornby F1 SSD chip 7005, the use of magnet is not recommended, to avoid potential damage to the chip itself.
8. If only one ferrite/capacitor couple is available, place it near the motor and not near the pickup.