T1/T100/T200 Style transmission case

If you purchased this kit, you should already know that this is a semi-replica of the MIP part that was sold. In the same way as the original, this is just a canvas for you to work with. Our case is machined from Delrin, and designed to fit stock gears.

There is not a lot to say about the installation of the gears, you will simply be swapping the bearings and gears from your old case to the new one. We added holes for 2x10mm pins to be installed to keep the case aligned. You will also note two partial holes around the top shaft, These can be drilled out for a bolt on adapter to be installed later which will allow the cable drive to be fitted for those interested. Bolt the case together with 2 of the 4-40 x ¾" screws at the bottom. Install the motor plate to the top 3 holes also using the 4-40 x ¾" screws. Note that the motor position can be flipped for mid motor use or rear motor use. The case is symmetrical so you can also run reverse rotation motors by flipping the whole assembly.

Now you can bolt the transmission to your chassis plate or adapter plate depending on your scenario. We recommend 4-40 x 5/16" button screws but this will change with different installations.

A few notes. The stock spur gears can be used, or you can use a Thorp/MIP style gear adapter. Our Power Clutch for the MIP transmissions can also be used but you will need to supply a long setscrew to be used for the adjustment screw since the MIP topshaft is 6-32 thread and the Tamiya topshaft is 3mm. There were no gear covers for these transmissions. You will want to run some lubricant on the gears and they will take a few runs to break in. We designed the case around the gears recommended mesh, not the loose mesh of the stock case. Remember that these were designed back when a hot motor still didn't have replaceable brushes and we didn't have triples to clear or wall rides. Used as intended you should have great success in reliving the early 80s. Used as a modern car on a modern track, be prepared to fix stuff.

The internal gear ratio is 2:1. To find your final drive ratio, use this formula **(Spur ÷ Pinion) × 2 = FDR.** Per MIP, 32 pitch 52t spur recommends 11t through 16t pinions, 50t spur recommends 12T through 16t pinion.

Compatible parts:
T-2 SRB Cage Mount (coming soon)
T-4 Motor Plate
T-5 Transmission Plate for Tamiya/CRP chassis
IRS200 Trailing arm set for Tamiya SRB series
223 Spur Gear adapter for Kimbrough
280 Power Clutch for MIP *requires 3x25mm setscrew for use with Tamiya top shaft
C-5 Transmission Plate for Cox/Kyosho Scorpion series