



112v31C-310 Side Damper

(112v31C-310)

Build Guide
(25.05.01.02)

WARNING! DO NOT leave this kit, assembled or unassembled, in a hot motor vehicle or any other high temperature environment. This kit is 3D printed and high temperatures will harm or destroy the components.

CONTENTS:

PARTS

- ☐ 112v31C-311 Barrel (2)
- ☐ 112v31C-312 Plunger (2)
- ☐ 112v31C-313 Sight (2)

HARDWARE

M3 Button Head Screws (BH)

- ☐ M3x20 BH (2)

M3 Set Screws (SS)

- ☐ M3x8 SS (2)

Washers, Nuts & Other

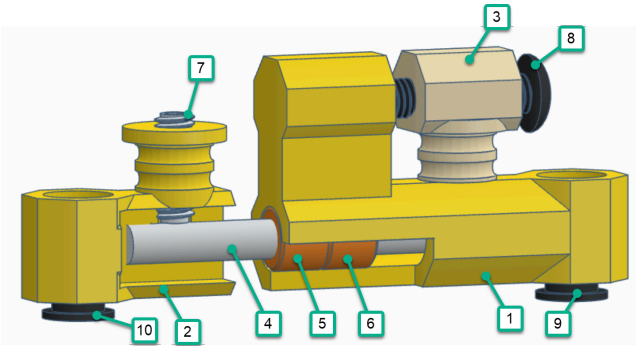
- ☐ M3x5.5 TB (4)
- ☐ 3mm x 25mm MP (2)
- ☐ 3 x 5 x 4 SB (4)
- ☐ 1.5mm Zero-Ring (6)

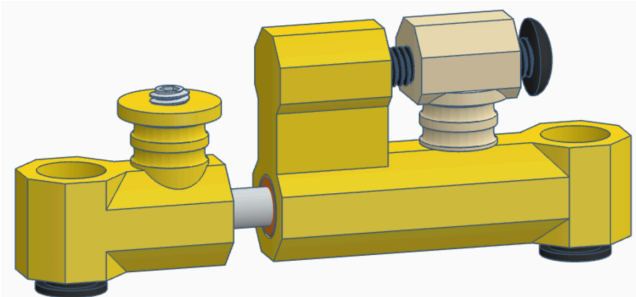
HARDWARE KEY

TB = Threaded Ball
BH = Button Head Screw
MP = Metal Pin
SB = Sleeve Bearing

ASSEMBLY ORDER

IMAGES

112v31C-310 Assembled Call Out	
1	112v31C-311 Barrel
2	112v31C-312 Plunger
3	112v31C-313 Sight
4	3mm x 25mm Metal Pin
5	3 x 5 x 4 SB (Sleeve Bearing)
6	3 x 5 x 4 SB (Sleeve Bearing)
7	M3x8 SS
8	M3x20 BH
9	M3x5.5mm TB (Threaded Ball)
10	M3x5.5mm TB (Threaded Ball)
11 (not shown)	1.5mm Zero-Ring (qty = 6)

Assembled View	
-----------------------	--

ASSEMBLY STEPS:

- 1) Press the TB (#9) into end of Barrel (#1) as shown.
- 2) Press the TB (#10) into Plunger (#2) as shown.
- 3) Screw BH (#8) all the way into Sight (#3).
- 4) Unscrew BH (#8) from Sight so that 2 mm of thread is exposed between the head of the screw and the Sight.
- 5) Push 3mm x 25mm MP (#4) into Plunger (#2) as shown.
 - a) Approximately 19 to 20 mm of the shaft will be exposed.
- 6) Screw SS (#7) into Plunger (#2) as shown. - tighten but do NOT strip.
- 7) Insert SB (#6) and SB #5 into Barrel (#1) as shown.
 - a) VERY CAREFUL, do not break the Threaded Ball end of the Barrel.
 - b) SB (#5) must go in to be FLUSH.
- 8) Add 15k Kyosho Bearing Grease (or similar or your choice) into the Barrel (#1) at the SB (#5 and #6) opening.
 - a) This is used as "dampening". Be sure to get some grease deep inside of the Barrel (#1).
- 9) Insert the assembled Plunger into the assembled Barrel as shown.
- 10) Press the assembled Sight (#3) and BH (#8) into the hole on the top of the Barrel (#1) as shown.
 - a) This should go on fairly easily, and come off fairly easily.
- 11) Add two 1.5mm Zero Rings (#11 and not shown) to the side damper assembly spanning the Plunger (#2) spindle and the Sight (#3) spindle.
- 12) Repeat all steps above for the 2nd Side Damper.
- 13) And there you have it, the well assembled, Team QIK Racing original, Adjustable Side Dampers for your 112-GT12 Kit.
- 14) Have fun racing and go kick some carpet GT12 rear-end!