

4470, 4473 VCS MICRO SHOCK



Team Associated's VCS (Volume Compensating System) Micro Shock was developed as a higher-volume, lightweight, constant-travel shock to fit on most road/oval 1:10 and 1:12 cars, and provides consistently smooth, superior dampening without the need for frequent rebuilds.

The VCS Micro Shock body is precision-machined from aircraft-quality

aluminum, and is externally threaded for convenient spring pre-load adjustments. Internally, the shock utilizes Associated's exclusive VCS™ volume compensating system, 7075 aluminum shock piston, molded PTFE components and a precision-ground, case-hardened steel shock shaft which is extremely resistant to bending.

REMOVE THESE PARTS FOR STEPS 1-4:

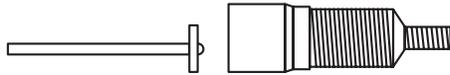


#4473
black VC foam



#4473
VC housing

STEP 1



#4472
shock shaft and piston

#4471
body

STEP 2



#4473
clip



#4473
large
washer

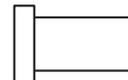


#4473
red
O-ring



#4473
small
washer

STEP 3

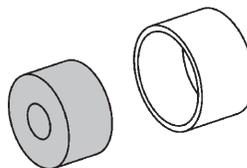


#4473
assembly tool

STEP 4

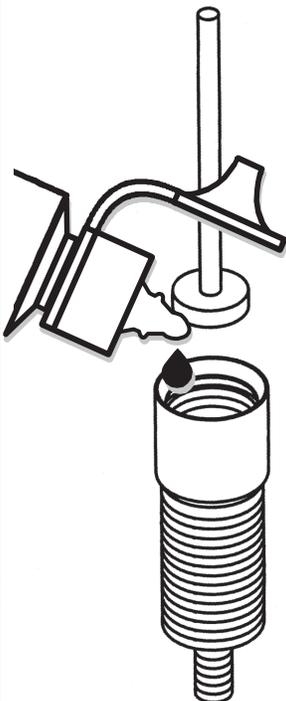
STEP 1

1. Remove the plastic #4473 VC housing from the parts tree.
2. Soak the #4473 VC foam with your shock oil.
Recommended oil: **For 1:12**, 25 or 30wt. **For 1:10**, 35 or 40 wt.
3. Push the foam into the housing.



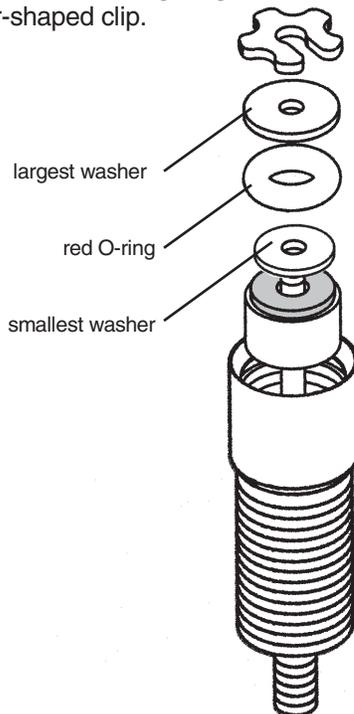
STEP 2

1. Fill #4471 shock body with oil up to the upper groove.
2. Insert #4472 shaft/piston all the way to the bottom



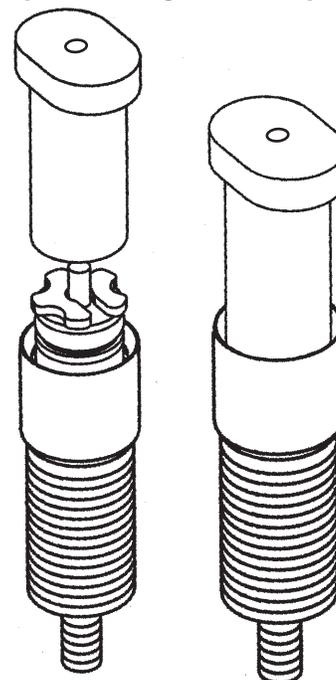
STEP 3

1. Remove the small and large #4473 washers from the parts tree. Remove any flash from the washers.
2. Slide the VC housing with foam onto the shaft, housing first (so foam is still seen through the body opening).
3. Slide on the following in this order: smaller washer, red O-ring, larger washer, then the star-shaped clip.

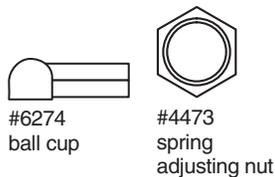


STEP 4

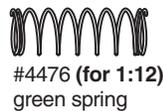
1. Use the assembly tool to push all the parts down into the body until the clip snaps into the groove. When you remove the tool, the shaft will push out somewhat if everything snapped into place correctly. **Make sure the clip snaps into the groove completely.**



REMOVE THESE PARTS FOR STEPS 5-6:



STEP 5



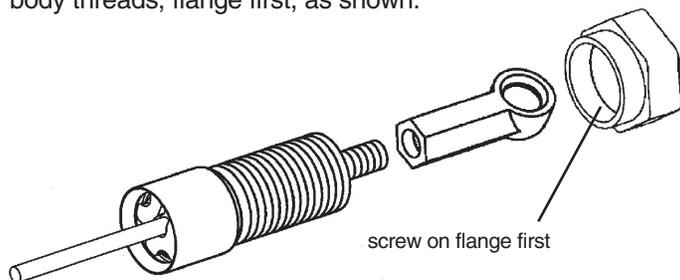
STEP 6



DISASSEMBLY

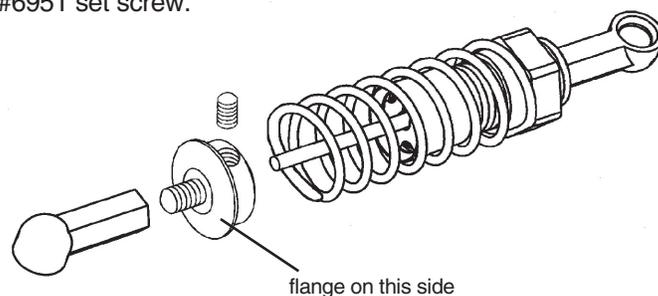
STEP 5

1. Remove the assembly tool and screw on the ball cup where shown.
2. Screw the #4473 spring adjusting nut onto the shock body threads, flange first, as shown.



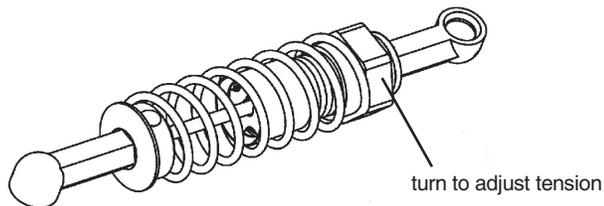
STEP 6

1. Slide the spring over the body and up against the #4473 adjusting nut.
2. Screw the #6274 ball cup onto the #4474 shock shaft end.
3. Tighten the #4474 shock rod end to the shaft with the #6951 set screw.



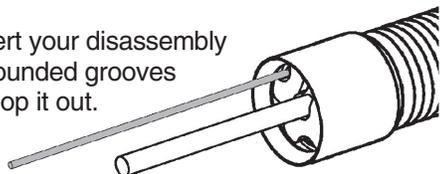
STEP 7

1. Pop the ball cups on the ball ends of your kit.
2. Turn the spring adjusting nut to adjust spring tension.



STEP 8 DISASSEMBLY

1. To remove the parts from inside the shock, first loosen the set screw of the shock shaft end, then slide off the shaft end and spring.
2. Now carefully insert your disassembly rod into one of the rounded grooves of the star clip and pop it out.



PARTS LIST FOR THE #4470 VCS MICRO SHOCK

- #4470 VCS MICRO SHOCK** (1:10 and 1:12)
Contains: #4471, 4472, 4473, 4474, 4476, 8451, 6274, disassembly rod (for one complete shock).
- #4471 MICRO SHOCK BODY**
- #4472 MICRO SHOCK SHAFT AND PISTON**
- #4473 VCS REBUILD KIT** (1:10 and 1:12)
Contains: housing, foam, small and large washer, clip, spring adjusting nut, silicone O-ring, and disassembly rod (for two shocks).
- #4474 MICRO SHOCK SHAFT END** with set screw
#6274 BALL CUP (qty 14)

- 1:12 SPRINGS for the VCS Micro Shock:**
#4475 SPRING, BLACK, 4.0 SOFT
#4476 SPRING, GREEN, 6.0 HARD (1:12 kit std) (included in #4470)
- 1:10 VC SPRINGS for the VCS Micro Shock:**
#8451 SPRING, SILVER, 8.0 SOFT (1:10 kit std) (included in #4470)
#8452 SPRING, BLUE, 10.0 MEDIUM
#8453 SPRING, GOLD, 12.0 HARD

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