

Mounting instruction for Item N°. 08452/05 Rear Tuning disk brake, set

Tuning disk brake for the rear wheels, suitable for all FG 1:5 scale models
Not suitable for the Formula 1 models.

If you intend to mount disk brakes in the front and rear we recommend to steer each brake over a separate servo. Therefore you need a Y-cable if you own a lower-priced radio control system. If you have a high-quality radio control system the third servo is steered over the third channel. Principally only use servos with a regulating power of 7-9 kg in order to achieve the required brake power. The disk brake is suitable for plastic and alloy uprights.

Mounting

Pict.1 Mount the parts as shown on picture 1. Important! There are two different versions of brake shafts 08459/01. When mounting these into the brake caliper 08470/08471 it is very important that the flat side as well as the boring for the brake lever 08461/01 show to the outside or rather to the brake linings 08457/03.

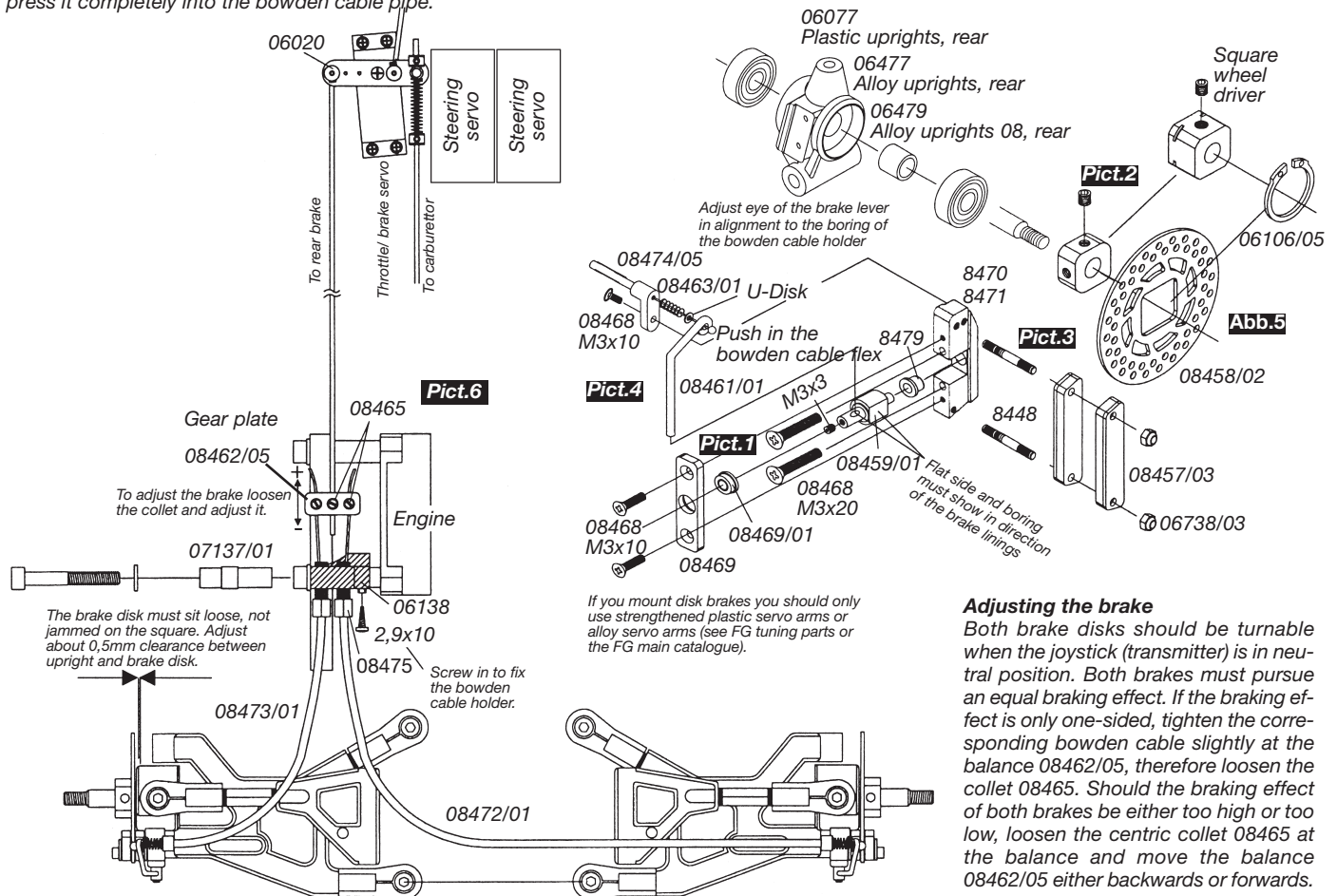
Pict.2 Mount the square wheel driver as shown on picture 2. The described square wheel drivers can differ in the width depending on the model type. For the wider versions you have to mount the securing ring 06106/05 after the installation of the brake disk.

Pict.3 Mount the parts as shown on picture 3. Apply screw retention lacquer on the longer thread part of the stud bolt 08448 and screw it into the alloy brake caliper 08470/08471.

Pict.4 Press the brake lever 08461/01 into the boring of the brake shaft 08459/01 as shown on picture 4 and fix it with the headless pin M3x3. Mount the alloy bowden cable holder 08474/05. Now pull the bowden cable flex completely out of the bowden cable pipe. Screw the complete threaded part of the bowden cable pipe into the bowden cable holder 08474/05. Push the bowden cable flex as shown on the picture first into the eye of the brake lever 08461/01, then through the plain washer, pressure spring 08463/01, alloy bowden cable holder 08474/05 and finally press it completely into the bowden cable pipe.

Pict.5 Now mount the brake linings 08457/03 with the brake disk 08458/02. Press the brake linings 08457/03 slightly together with the brake disk 08458/02 in between. Now lay the M3 stop nuts on just slightly so that the brake disk 08458/02 can still be moved freely.

Pict.6 Dismount the gear plate of the engine. Replace the alloy bolt of the gear plate by the bolt 07137/01 and the bowden cable holder 06138. Screw in the setscrews 08475 for the disk brake. Mount the gear plate back on the engine. Press the bowden cables 08473/01 and 08472/01 into the setscrew 08475 as shown on picture 6. Switch on your radio control system and bring the throttle/ brake servo into central position, the servo arm must be in 90° position to the servo. Mount the brake rods, balance 08462/05 with the collets 08465 as shown on picture 6. The brake rods might have to be shortened.



Adjusting the brake

Both brake disks should be turnable when the joystick (transmitter) is in neutral position. Both brakes must pursue an equal braking effect. If the braking effect is only one-sided, tighten the corresponding bowden cable slightly at the balance 08462/05, therefore loosen the collet 08465. Should the braking effect of both brakes be either too high or too low, loosen the centric collet 08465 at the balance and move the balance 08462/05 either backwards or forwards.

Spare parts

06020 Collets 2,1 mm, 5pcs.
06106/05 Securing ring for square wheel, 4pcs.
06738/03 Self-locking hexagon nut, M3, 15pcs.
07137/01 Bolt f. cable holder rear brake, 1pce.
08448 Stud bolt for brake lining, 4pcs.
08457/03 Competition brake lining glued, 4pcs.
08458/02 Tuning brake disk, lasered, 2pcs.
08459/01 Brake shafts, 2pcs.
08461/01 Brake lever f. front+rear disk brake, 2pcs.
08462/05 Balance, 2pcs.
08463/01 Pressure spring 0,25x3,2x14mm, 2pcs.

08465 Collet set, 4pcs.
08468 Screw set for disk brake front/rear
08469 Guiding plate, ball-bear, 2pcs.
08469/01 Ball bearing flange for 08469, 2pcs.
08470 Alloy br. caliper left for rear disk brake 1pce.
08471 Alloy br. caliper right f.rear disk brake, 1pce.
08472/01 Flex. long bowd. cable f. rear disk br., 1pce.
08473/01 Flex.short bowd. cable f. rear disk br., 1pce.
08474/05 Alloy bowden cable holder, short new, 2pcs.
08475 Adjustable screw f. rear disk brake, 1pce.
08479 Steel bush for brake caliper, 2pcs.