

Mounting instruction for Item N°. 8452 Rear disk brake, set

Disk brake for the rear wheels, suitable for the 1:5 scale FG models, 1:6 Race Trucks and the Buggy and Monster models. Not suitable for the Formula 1 models.

Using this brake the throttle/ brake servo should have a minimum regulating power of 7-8 kg in order to obtain the required brake power. If you wish to install the disk brakes in the front and rear we recommend to steer each brake over a separate servo. Therefore a lower-priced radio control system demands a Y-cable, with a high-quality radio control system the third servo can be steered over a third channel.

Mounting

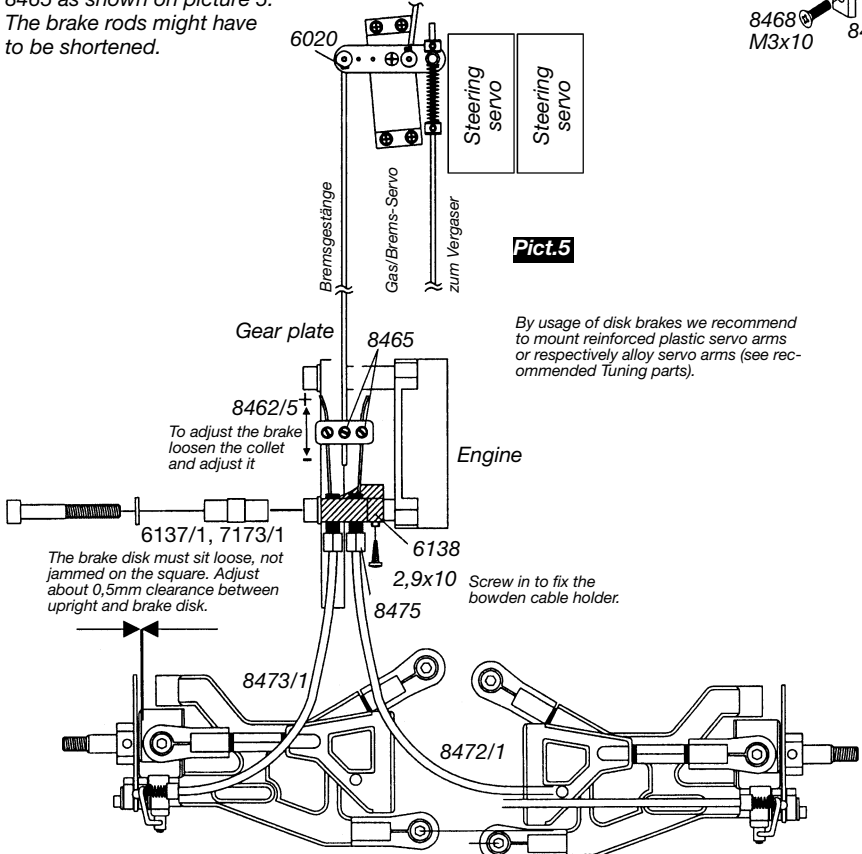
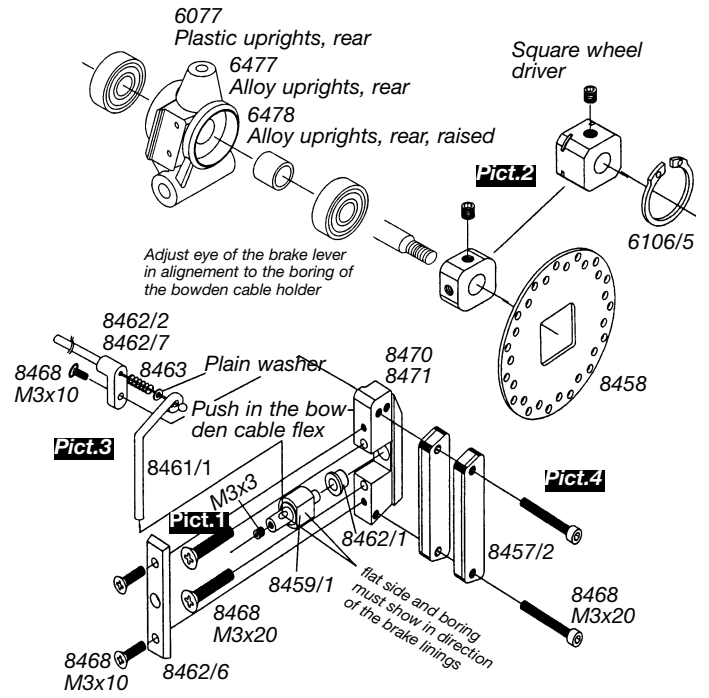
Pict.1 Mount the parts as shown on picture 1. Important! There are two different versions of brake shafts 8459/1. When mounting these into the brake caliper 8470/8471 it is very important that the flat side as well as the boring for the brake lever show to the outside or rather to the brake linings 8457/2.

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 6106/5 after the installation of the brake disk.

Pict.3 Press the brake lever 8461/1 into the boring of the brake shaft 8459/1 as shown on picture 3 and fix it with the headless pin M3x3. Mount the bowden cable holder 8462/7 (Off-Road models 8462/2). Now pull the bowden cable flex completely out of the bowden cable pipe and screw the threaded connection of the pipe into the bowden cable holder. Push the bowden cable flex as shown on the picture first into the eye of the brake lever 8461/1, then through the plain washer, pressure spring 8463, bowden cable holder 8462/7 or 8462/2 and finally completely into the bowden cable pipe.

Pict.4 Now mount the brake linings 8457/2 with the brake disk 8458. Press the linings slightly together with the brake disk in between. Now lay on the M3x20 hexagon socket screw just light, make sure the brake disk can still be moved freely. Before mounting check the brake linings 8457/2 on overlaying glue and remove it if necessary with a file or knife.

Pict.5 Dismount the gear plate of the engine. Replace the alloy bolt of the gear plate by the bolt 6137/1 (25mm long) or 7137/1 (34mm) and the bowden cable holder 6138. Screw in the setscrews 8475 for the disk brake. Mount the gear plate back on the engine. Press the bowden cables 8473/1 and 8472/1 into the setscrew 8475 as shown on picture 5. 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 and the balance 8462/5 with the collets 8465 as shown on picture 5. 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 8462/5, therefore loosen the collet 8465. Should the braking effect of both brakes be either too high or too low, loosen the centric collet 8465 at the balance and move the balance 8462/5 either backwards or forwards.

Spare parts

- 6020 Alloy collets 2,1 mm, 5pcs.
- 6106/5 Securing ring for square wheel, 4pcs.
- 6137/1 Bolts for gear unit 24,5/26,5mm, 3pcs.
- 6138 Bowd.cable holder, throttle/Zenoah, 1pce.
- 7137/1 Bolt f. cable holder rear brake, 1pce.
- 8457/2 Brake lining glued f./r., standard, 4pcs.
- 8458 Brake disks, 2pcs.
- 8459/1 Brake shafts, 2pcs.
- 8461/1 Brake lever f.front+rear disk brake, 2pcs.
- 8462/1 Plastic bush 4/6x5mm, 4pcs.
- 8462/2 Plast.bowd.cable hold. lg.f.flex.cab., 2pcs.
- 8462/5 Balance, 2pcs.
- 8462/6 Plastic guiding plate, 2pcs.
- 8462/7 Plast.bow.cab.hold.short f.flex.cable, 2pcs.
- 8463 Pressure spring, 2pcs.
- 8465 Collet set, 4pcs.
- 8468 Screw set for disk brake front/rear
- 8470 Alloy br.caliper left f.rear disk brake
- 8471 Alloy br.caliper right f.rear disk brake
- 8472/1 Flex.long bowd.cable f.rear disk br., 1pce.
- 8473/1 Flex.short bowd.cable f.rear disk br., 1pce.
- 8475 Adjustable screw f. rear disk brake, 1pce.

Recommended Tuning parts

- 6535 Servo arm Futaba, 2pcs.
- 6535/1 Alloy servo arm Futaba, 1pce.
- 6536 Servo arm JR/MPX, 2pcs.
- 6536/1 Alloy servo arm JR/MPX, 1pce.
- 6537 Servo arm MPX-Jumbo, 2pcs.
- 8406 Square wheel driver 9.5 mm, steel, 2pcs.
- 8406/1 Square wheel driver 14 mm, steel, 2pcs.
- 8406/2 Square wheel driver 17 mm, steel, 2pcs.
- 8448 Stud bolt for brake lining, 4pcs.
- 8457/3 Competition brake lining glued, 4pcs.
- 8458/2 Tuning brake disk, lasered, 2pcs.
- 8469 Guiding plate, ball-bearing, 2pcs.
- 8474 Alloy bowden cable holder, short, 2pcs.
- 8474/1 Alloy bowd.cable hold.f.1:6/F1, long, 2pcs.
- 8477 GFK brake disk, 2pcs.
- 8478 Alloy brake plates, set, 6pcs.
- 8479 Steel bush for brake caliper, 2pcs.