Mounting instruction

Item-No.07450 2-Speed gear box 1:5, 1pce.
Item-No.07451 2-Speed gear box 1:6 Marder/Beetle/Truck, 1pce.

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Gear transmissions

Gear	Teeth	Material	Item-No.	Teeth	Material	Item-No.
1.	16	Plastic	06053	48	Plastic	06052/1
	16	Steel	06431	48	Plastic	06052/1
2.	18	Plastic	06428/1	46	Plastic	06427/1
	18	Steel	06432/1	46	Plastic	06427/1
1.	18	Plastic	06428	46	Plastic	06427/1
	18	Steel	06432	46	Plastic	06427/1
2.	20	Plastic	06424/1	44	Plastic	06422/1
	20	Steel	06433/1	44	Plastic	06422/1
	20	Alloy	07430/20	44	Plastic	06422/1
1.	20	Plastic	06424	44	Plastic	06422/1
	20	Steel	06433	44	Plastic	06422/1
	20	Alloy	07430/20	44	Plastic	06422/1
2.	21	Alloy	07430/21	42	Plastic	07052/1
	22	Plastic	07053/1	42	Plastic	07052/1
	22	Steel	07431	42	Plastic	07052/1
	22	Alloy	07430/22	42	Plastic	07052/1
1.	21	Alloy	07430/21	42	Plastic	07052/1
	22	Plastic	07053	42	Plastic	07052/1
	22	Steel	07431	42	Plastic	07052/1
	22	Alloy	07430/22	42	Plastic	07052/1
2.	23	Alloy	07430/23	40	Plastic	07427/1
	24	Plastic	07428/1	40	Plastic	07427/1
	24	Steel	07432	40	Plastic	07427/1
	24	Alloy	07430/24	40	Plastic	07427/1
	25	Alloy	07430/25	40	Plastic	07427/1
1.	23	Alloy	07430/23	40	Plastic	07427/1
	24	Plastic	07428	40	Plastic	07427/1
	24	Steel	07432	40	Plastic	07427/1
	24	Alloy	07430/24	40	Plastic	07427/1
	25	Alloy	07430/25	40	Plastic	07427/1
2.	26	Plastic	07426/1	38	Plastic	07424/1
	26	Steel	07433	38	Plastic	07424/1

1:6

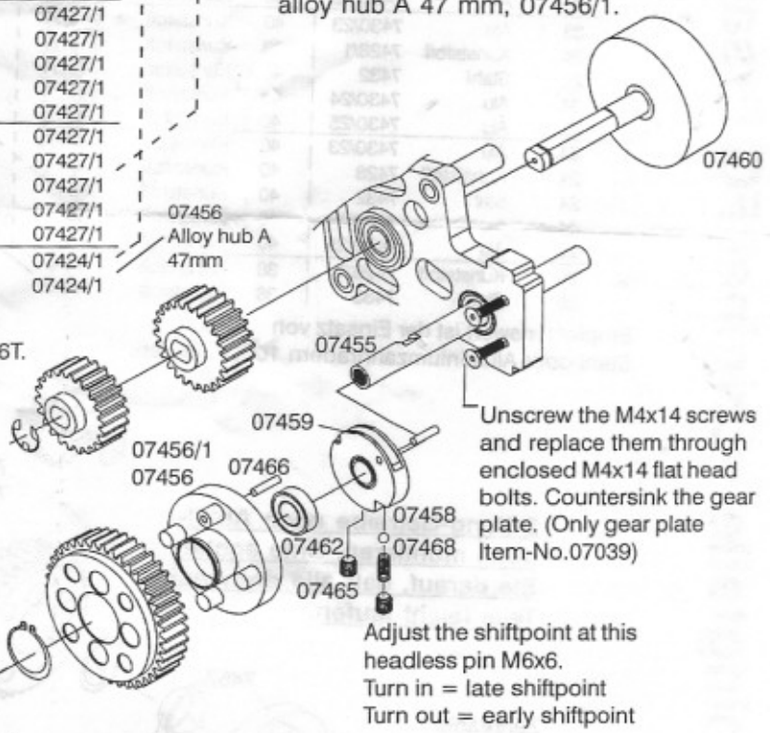
1:5

07456 Alloy hub A52 mm

07456 Alloy hub A 47mm

Advisable for the 2-speed gear is the use of steel or alloy gearwheels with 16-26T.

2-Speed gear box, retrofitting is possible for all 1:5 and 1:6 FG models, high reliability, gearwheels can be changed in no time. During a competition we recommed to use the small gearweels with 16-26 teeth in alloy or steel. The only difference between the gear 07450 and 07451 is the amount of teeth of the gearwheels and the corresponding alloy hub. If you use the gearwheels 07424/1 with 38 teeth you need the alloy hub A 47 mm, 07456/1.



Unscrew the M4x14 screws and replace them through enclosed M4x14 flat head bolts. Countersink the gear plate. (Only gear plate Item-No.07039)

Adjust the shiftpoint at this headless pin M6x6.
Turn in = late shiftpoint
Turn out = early shiftpoint

Mount 2-speed gear as shown on the drawing. Please see to it that all rotatable parts turn easily.

Gearwheels see list

When mounting the bearing, please watch the direction of rotation.

Spare parts for 2-speed

Item-No.07455 2-speed gearshaft 1pcs.
Item-No.07456 Alloy flange A, 52 mm 1pcs.
Item-No.07456/1 Alloy flange A, 47 mm 1pcs.
Item-No.07457 Alloy flange B, 1pcs.
Item-No.07458 2-speed carrier, 1pcs.
Item-No.07459 2-speed shifting claw, 1pcs.
Item-No.07460 2-speed clutch bell, 1pcs.
Item-No.07461 2-speed bearing, 1pcs.
Item-No.07462 Bearing 10x19x5mm, 1pcs.
Item-No.07465 Headless pin M6x6, Tuflock 4pcs.
Item-No.07466 Set pins, 2pcs.
Item-No.07467 Circlip + bolt pack, 6pcs.
Item-No.07468 2-speed spring + ball, 2pcs.
Item-No.07469 2-speed plastic bush 2pcs.

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