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Overdrive Transmission Gear Set Instructions

Covers Part #7886

CAUTION: This gear set is intended for advanced drivers only with previous experience and knowledge of large radio controlled vehicles capable of high speed and acceleration. This gear set is not intended for use on a stock vehicle without making the proper adjustments to the motor pinion, spur gear, tire size, and/or power system.

Please refer to your Owner's Manual and/or Traxxas.com for additional information on gearing and gear ratios. Use the exploded views included with your model to aid in the disassembly/assembly process.

This overdrive transmission gear set allows you to increase the upper range of gearing options beyond the current high-speed gearing range for your vehicle and will also provide extended gearing options for aftermarket low Kv motors. *This gear set will make a significant change to your final drive ratio.*

Stock Transmission Gearing (parts #7784X & 7785X):

$$\frac{\text{\# Spur Gear Teeth}}{\text{\# Pinion Gear Teeth}} \times 8.11 = \text{Final Gear Ratio}$$

Overdrive Transmission Gearing (part #7886)

$$\frac{\text{\# Spur Gear Teeth}}{\text{\# Pinion Gear Teeth}} \times 6.23 = \text{Final Gear Ratio}$$



On a stock X-Maxx®, this overdrive transmission gear set is equivalent to adding 5.4 teeth to the pinion gear.

Gearing Compatibility Chart:

For an X-Maxx with overdrive gearing installed, the chart below shows the recommended gear combination ranges with stock tires and power system. Refer to your Owner's Manual for gearing combination ranges without overdrive.

Spur Gear

	46	50	54
11	-	-	4.91*
12	-	-	4.50*
13	-	-	4.15*
14	-	3.57*	3.86*
15	-	3.33*	3.60*
16	-	3.13	3.38*
17	-	2.94	3.18
18	2.56	2.78	3.00
19	2.42	2.63	-
20	2.30	2.50	-
21	2.19	2.38	-
22	2.09	2.27	-
23	2.00	-	-
24	1.92	-	-
25	1.87	-	-
26	1.77	-	-

*4s/6s/8s LiPo
2s 7600mAh + recommended
3s 6400mAh + recommended
4s 6700mAh + recommended

	Stock gearing
	Included optional gearing
	Usable gearing range
	High speed, hard surfaces only
	Not recommended
	Does not fit



On a stock XRT™, this overdrive transmission gear set is equivalent to adding 6 teeth to the pinion gear.

Gearing Compatibility Chart:

For an XRT with overdrive gearing installed, the chart below shows the recommended gear combination ranges with stock tires and power system. Refer to your Owner's Manual for gearing combination ranges without overdrive.

Spur Gear

	46	50	54
11	-	-	4.91*
12	-	-	4.50*
13	-	-	4.15*
14	-	3.57*	3.86*
15	-	3.33*	3.60*
16	-	3.13*	3.38*
17	-	2.94*	3.18*
18	2.56	2.78*	3.00*
19	2.42	2.63*	-
20	2.30	2.50	-
21	2.19	2.38	-
22	2.09	2.27	-
23	2.00	-	-
24	1.92	-	-
25	1.87	-	-
26	1.77	-	-

*4s/6s/8s LiPo
2s 7600mAh + recommended
3s 6400mAh + recommended
4s 6700mAh + recommended

	Stock gearing
	Included optional gearing
	Usable gearing range
	High speed, hard surfaces only
	Not recommended
	Does not fit