# A TANA TEST AWD SHAFT-DRIVE 1/18 MICRO CAR INSTRUCTION MANUAL

IT'S FUN, IT'S MICRO, IT'S



### CONGRATULATIONS

The XRAY M18 Micro is a unique 1/18th micro-sized model racing car that is the epitome of high-performance and fine distinctive design. Your M18 offers highest performance, responsive handling, and traditionally exceptional XRAY quality, engineering, and design.

The XRAY M18 enters a new frontier in micro-car design by offering fully-adjustable suspension, responsive shaft-drive drivetrain, and ultra-smooth gear differentials. The superb craftsmanship and attention to detail are clearly evident everywhere on the XRAY M18.

The XRAY M18 was created by blending highest-quality materials and excellent design. The result? A very affordable, durable, high-

performance micro race car that is extremely easy to assemble, drive, and race. On high-speed asphalt tracks or short twisty indoor tracks, whether driving for fun or racing to win, the M18 delivers outstanding performance, speed, and precision handling. M18 can be used for competition micro racing, but is also well suited for novice drivers who choose the XRAY M18 as their entrance into the R/C hobby.

We have made every effort to make these instructions as easy to understand as possible. However, if you have any difficulties, problems, or questions, please do not hesitate to contact the XRAY support team at support@teamxray.com. Also, please visit our web site at www.teamxray.com to find the latest updates, setup information, option parts, and many other goodies. We pride ourselves on taking excellent care of our customers.

# R/C TIPS

- Read and fully understand the instruction manual before building.
- Always keep this instruction manual ready at hand for quick reference, even after completing the assembly.
- Make sure all screws are tight. Check them periodically. Make sure that the chassis screws do not protrude from the chassis.
- For the best performance, it is very important that great care is taken to ensure the free movement of all parts.
- Clean all ball-bearings so they move very easily and freely.
- Tap or pre-thread the plastic parts when threading screws.
- Self-tapping screws cut threads into the parts when being tightened.

- Do not use excessive force when tightening the self-tapping screws, or you may strip out the thread in the plastic. We recommended you stop tightening a screw when you feel some resistance.
- Ask your local hobby shop for any advice.
- Please support your local hobby shop. We at XRAY Model Racing Cars support all local hobby dealers. Therefore we ask you, if at all possible, to purchase XRAY products at your hobby dealer and give them your support like we do. If you have difficulty finding XRAY products, please check out www.teamxray.com to get advice, or contact us via email at support@teamxray.com, or contact the XRAY distributor in your country.

#### QUALITY CERTIFICATE

XRAY MODEL RACING CARS uses only the highest quality materials, the best compounds for molded parts and the most sophisticated manufacturing processes. We guarantee that all parts of a newlypurchased kit are manufactured with the highest regard to quality. However, due to the many factors inherent in model racecar competition, we cannot guarantee any parts once you start racing the car.

We wish you enjoyment of this high-quality and high-performance micro car and wish you best success on the track!

In line with our policy of continuous product development, the exact specifications of the kit may vary. In the unlikely event of any problems with your new kit, you should contact the model shop were you purchased it, quoting the part number. We do reserve all rights to change any specification without prior notice. All rights reserved.

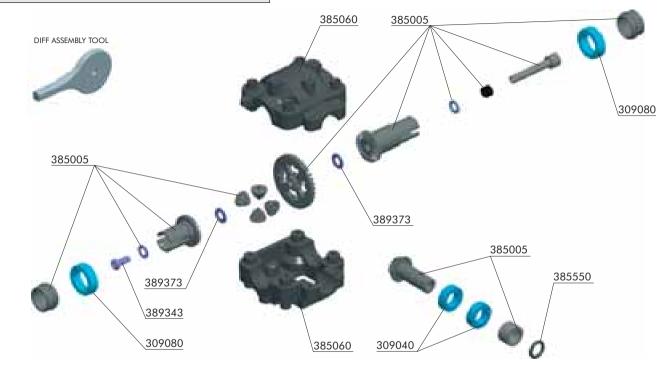
# SYMBOLS USED

Part bags used	Assemble left and right sides the same way	Assemble in the specified order	Pay attention here	Pivot ball type used	Apply instant glue	Ensure smooth non-binding movement	Cut off shadded portion	True-to-scale diagram	Assemble as many times as specified (here twice)
	₩ ₩ L=R	000		C-	Ča	-	-	1:1	2x
Car orientation	Cut off remaining material	Cut off remaining material from all plastic parts.	Tighten screw gently	Self-tapping screws cut threads into the parts when being tightened. Excessive force may permanently damage parts when tightening screws. It is recommended to stop tightening when the part is attached or when some resistance is felt after the threaded portion enters the plastic.					
	<i>á</i>			CORRECT		Overtigh	WRONG X	The three	eads are stripped.

TOOLS INCLUDED	Z	TOOLS REQUIRED				
Differential Assembly Tool Phillips Screwdriver 1.5mm Allen Wrench	He	lobby Knife	Side Cutters	Needlenose Pliers	Curved Scissors	Hole Reamer



#### **1. FRONT DIFFERENTIAL**



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 309040
 BALL-BEARING MR106ZZ 6x10x3 (2)

 309080
 BALL-BEARING MR128ZZ 8x12x3.5 (2)

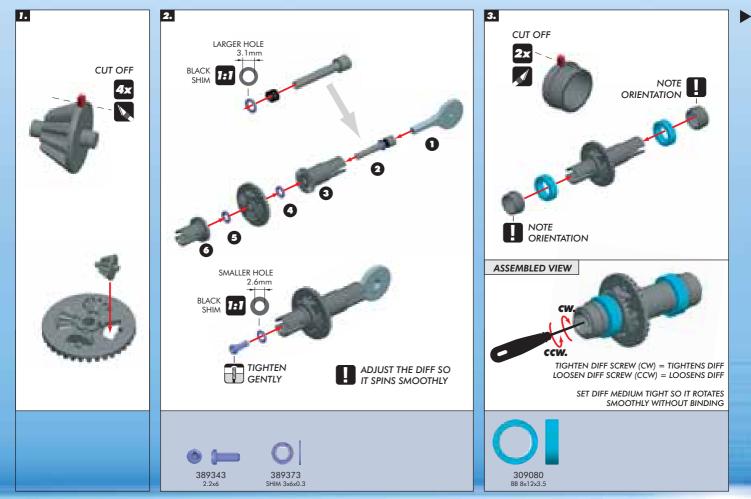
 385005
 COMPOSITE FRONT GEAR DIFF. + DRIVESHAFT PINION GEAR

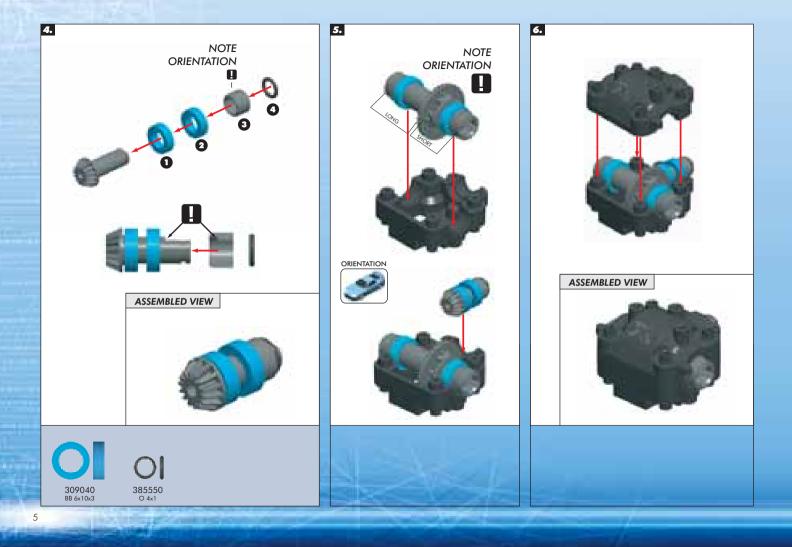
 385060
 GEARBOX CASE

 385550
 O-RING 4x1 (10)

 389343
 SCREW PHILLIPS 2.2 x 6 (10)

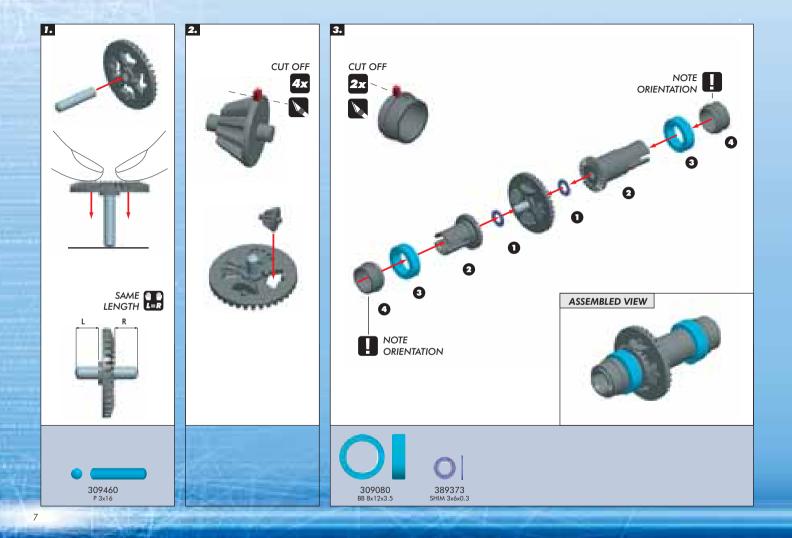
 389373
 WASHER S 3x6x0.3 (10)

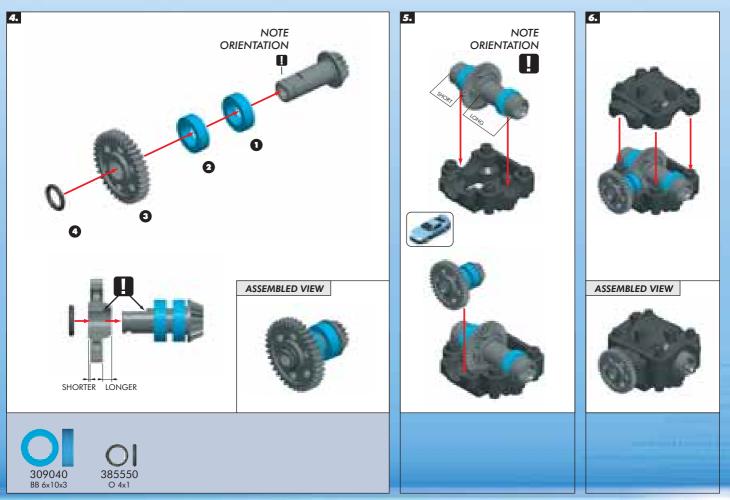


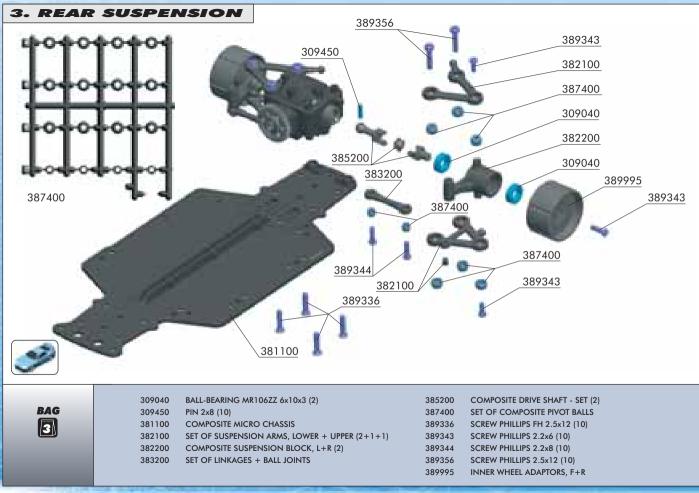


# 2. REAR DIFFERENTIAL D n

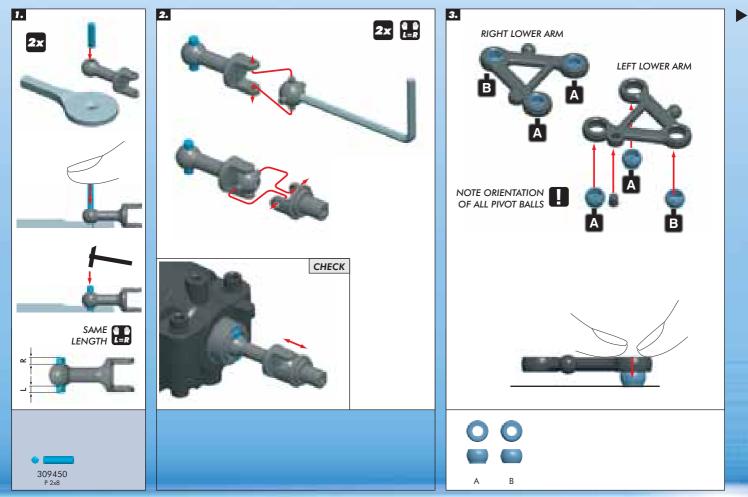
BAG	309040 309080 309460	BALL-BEARING MR106ZZ 6x10x3 (2) BALL-BEARING MR128ZZ 8x12x3.5 (2) PIN 3x16 (10)	385736	GEARBOX CASE O-RING 4x1 (10) SPUR GEAR 36T/48	
	385000	COMPOSITE REAR GEAR DIFF. + DRIVESHAFT PINION GEAR	389373	WASHER \$ 3x6x0.3 (10)	

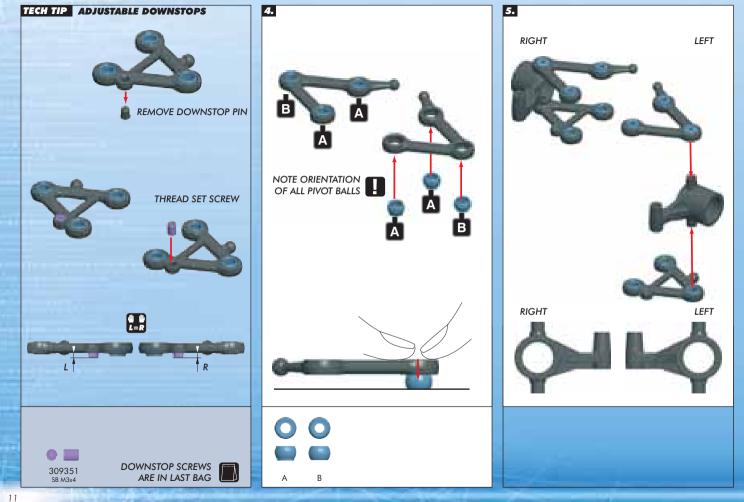


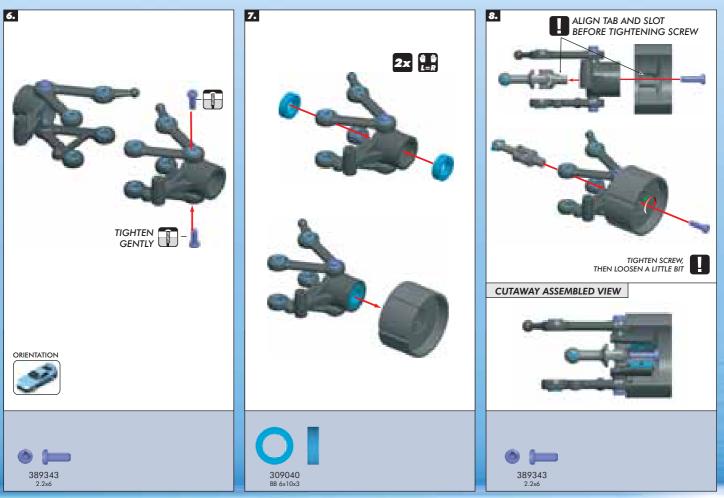


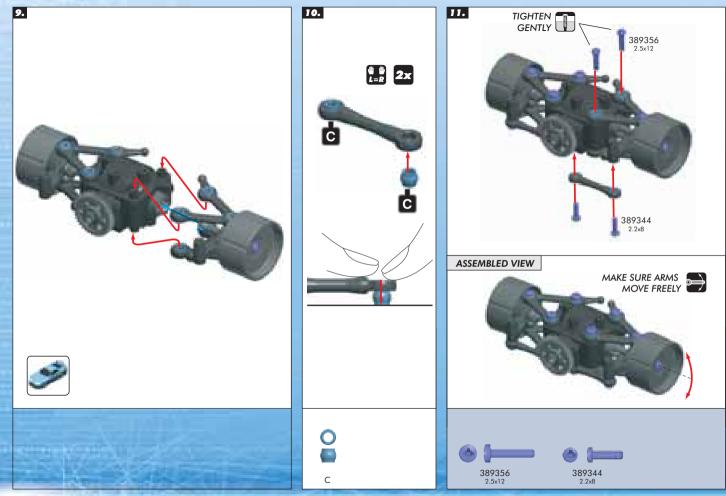


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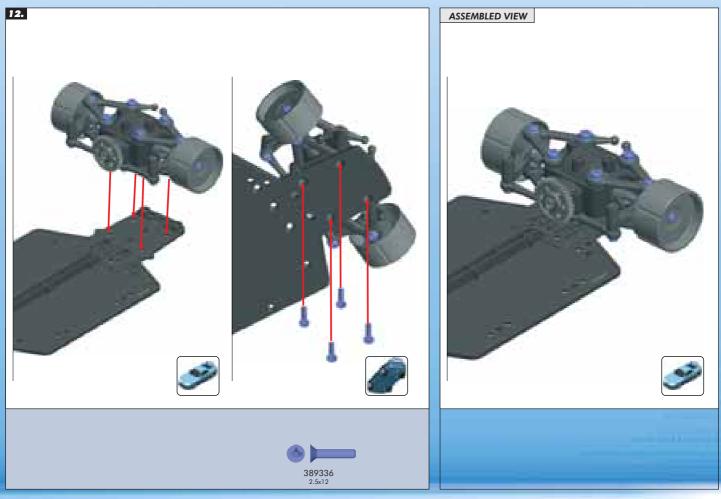


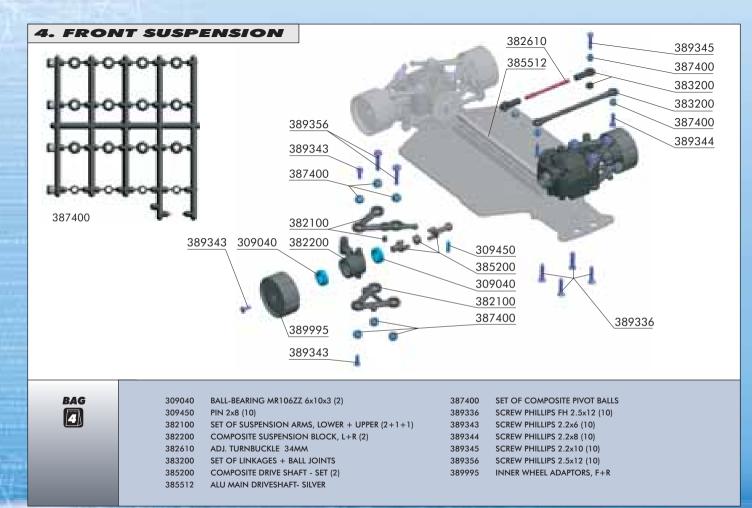




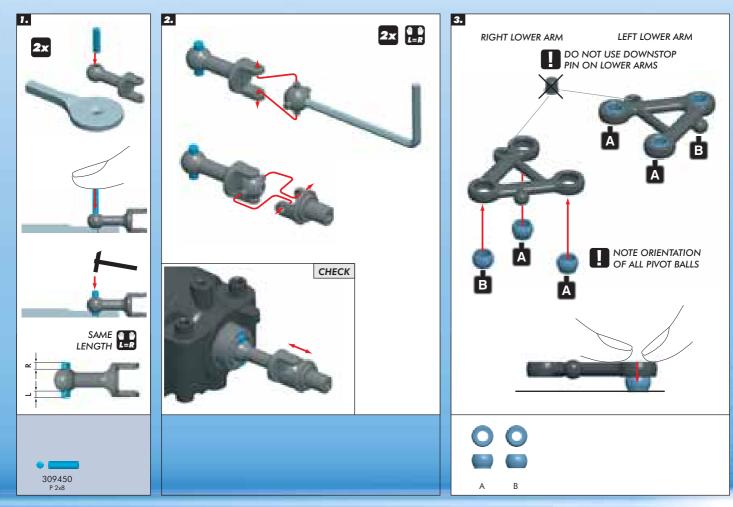


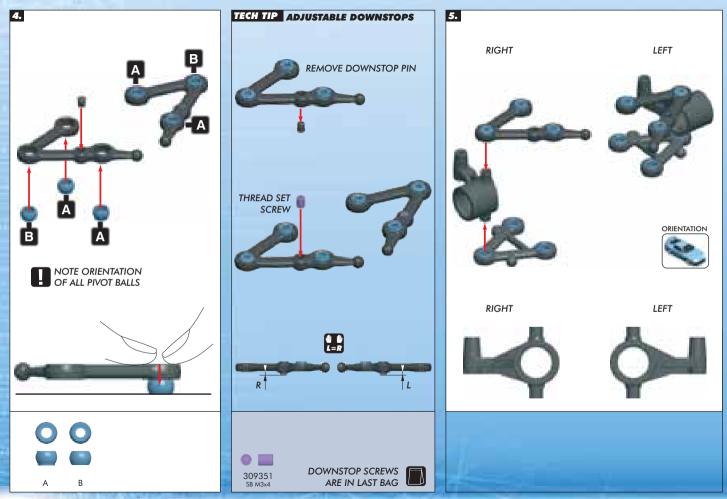
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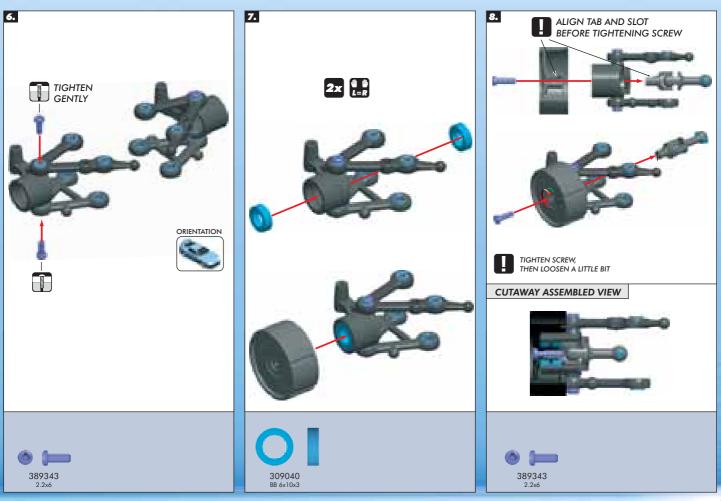


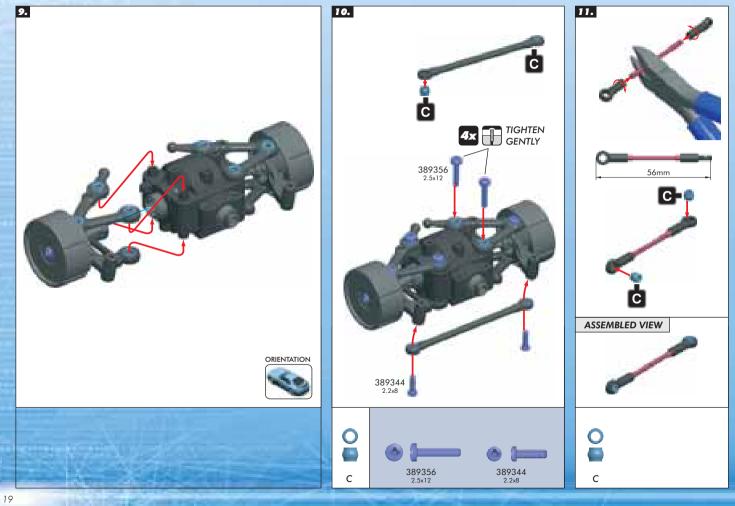


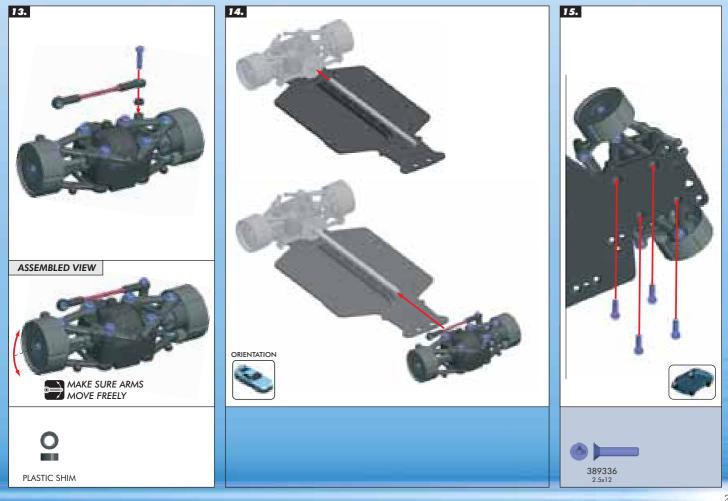
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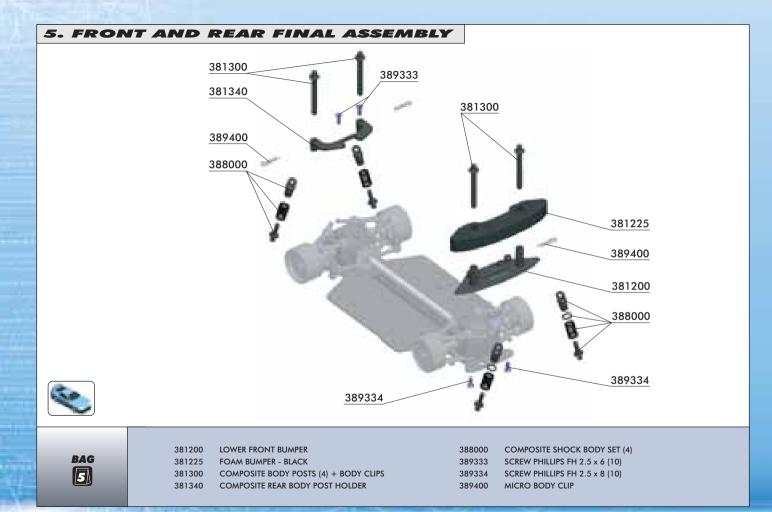




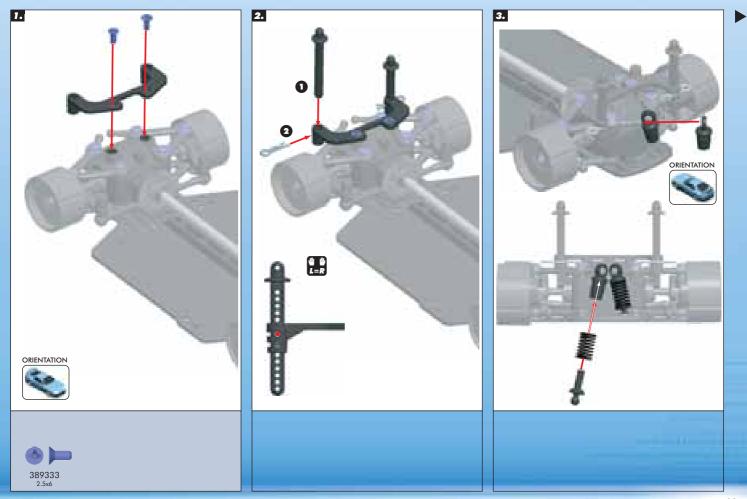


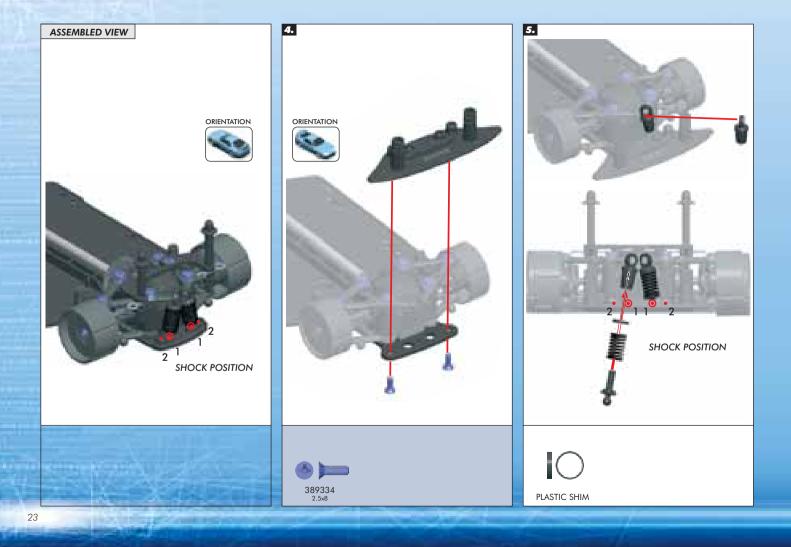


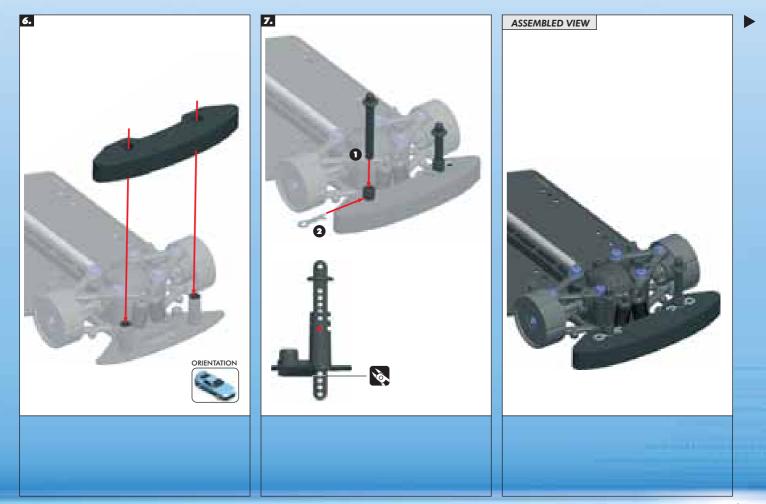


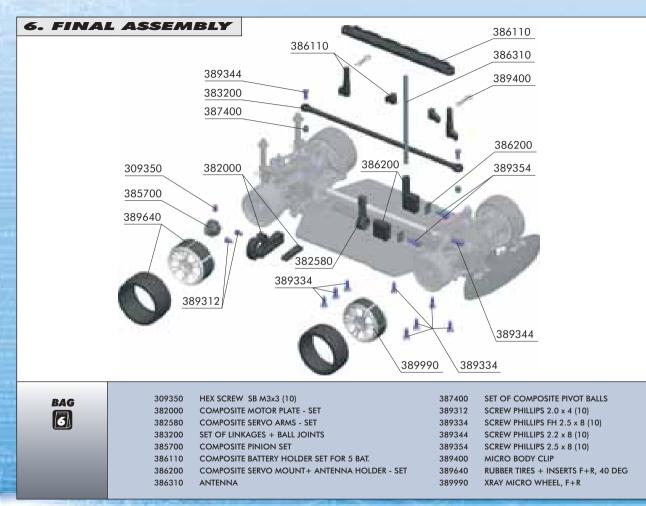


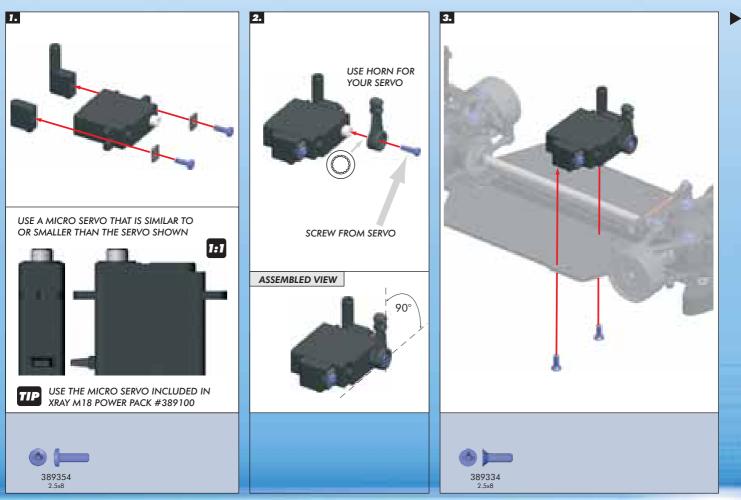
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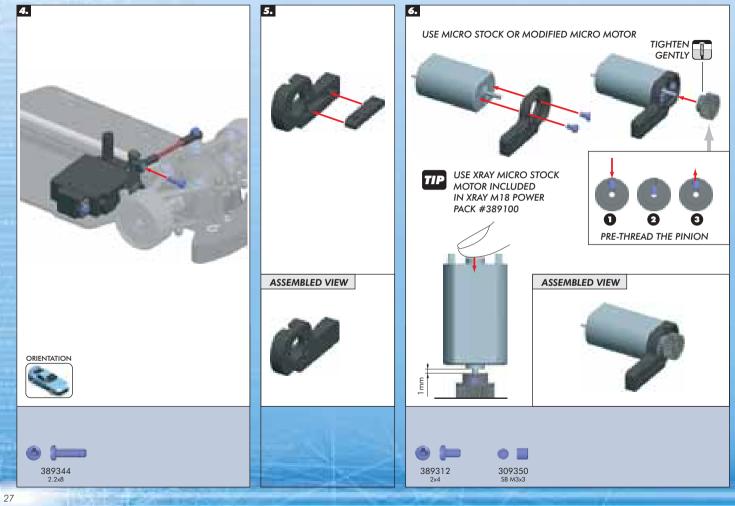


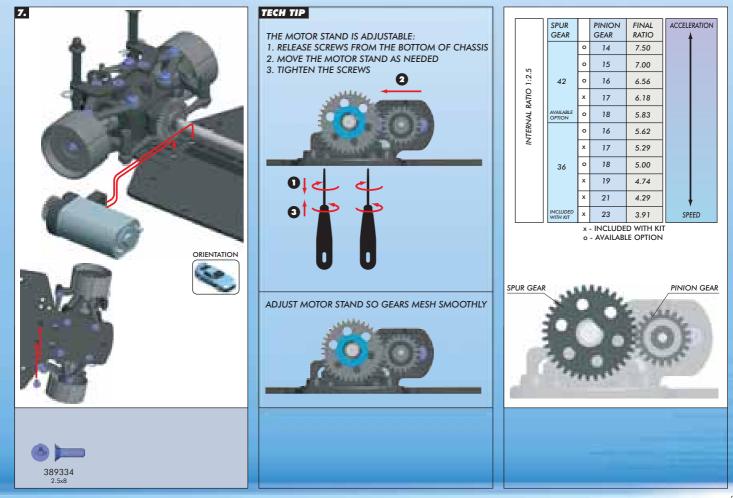


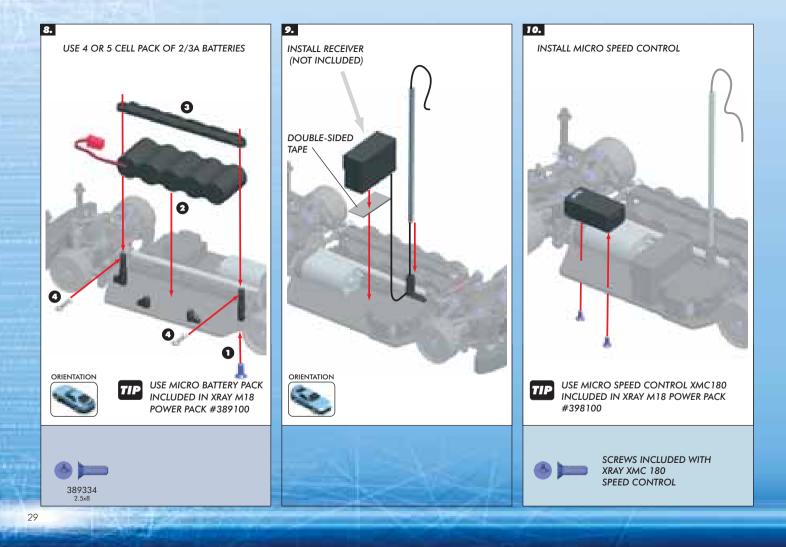


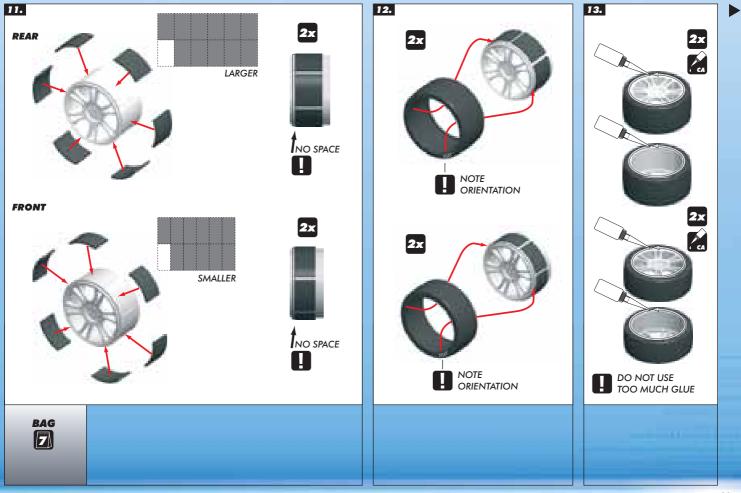


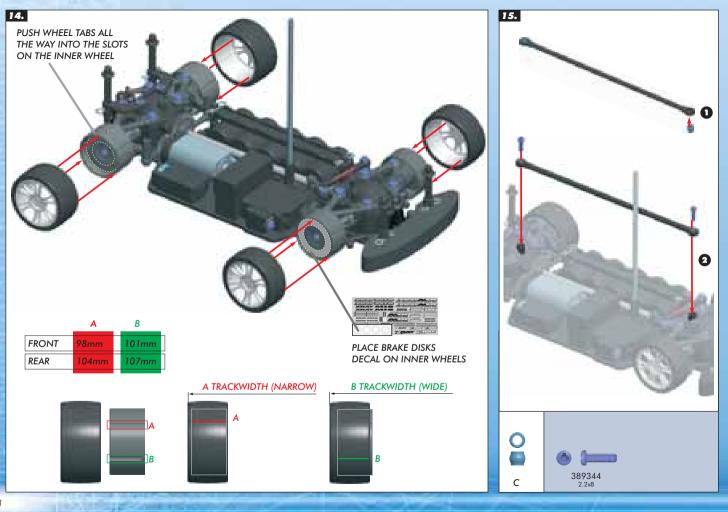


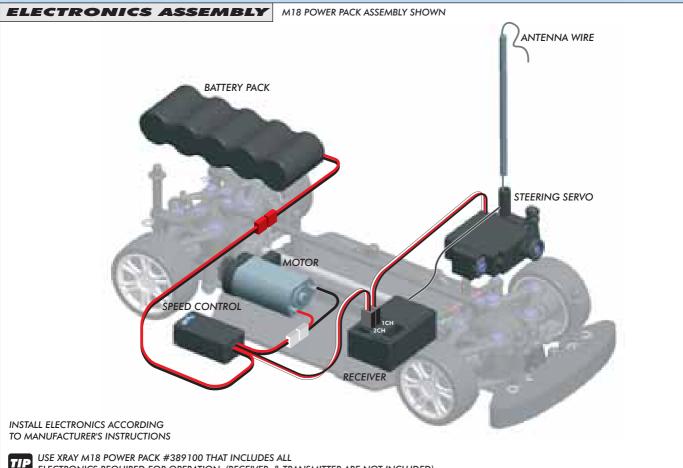




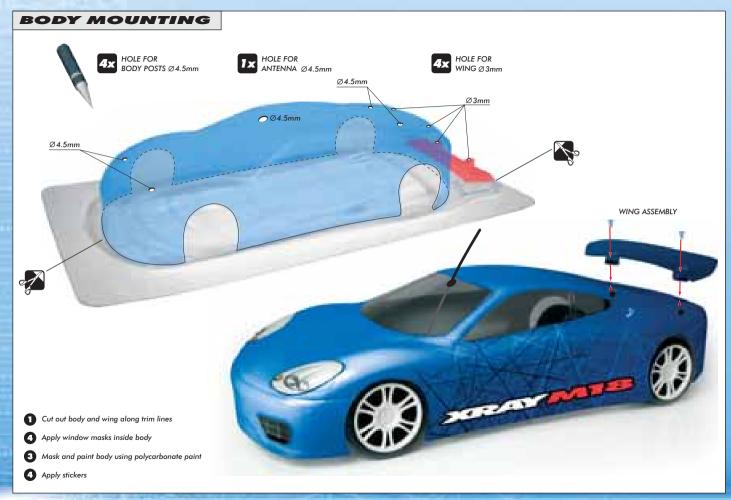








ELECTRONICS REQUIRED FOR OPERATION. (RECEIVER & TRANSMITTER ARE NOT INCLUDED)



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# **IMPORTANT NOTES**

- This product is not suitable for children except under the direct supervision of an adult.
- Carefully read all manufacturers warnings and cautions for any parts used in the construction and use of your model.
- Assemble this kit only in places away from the reach of very small children.
- First-time builders should seek advice from people who have building experience in order to assemble the model correctly and to allow the model to reach its performance potential.
- Insulate any exposed electrical wiring (using heat shrink tubing or electrical tape) to prevent dangerous short circuits.
- Exercise care when using tools and sharp instruments.
- Take care when building; some parts may have sharp edges.
- Keep small parts out of reach of small children.
- Do not put fingers or any objects inside or near rotating or moving parts.
- Immediately after using your model, do NOT touch equipment or electronic components on the model because they may generate high temperatures.
- · Follow the operating instructions for the radio equipment at all times.
- Be sure that your operating frequency is clear before turning on or running your model, and never share the same frequency with somebody else at the same time. Ensure that others are aware of the operating frequency you are using and when you are using it.
- Always turn on your transmitter before you turn on the receiver/speed controller or connect the battery pack. Always turn off the receiver/speed controller or disconnect the battery pack before turning your transmitter off.
- Keep the wheels of the model off the ground when checking the operation of the radio equipment.

- Disconnect the battery pack before storing your model.
- When learning to operate your model, go to an area that has no obstacles that can damage your model if your model suffers a collision.
- Remove any sand, mud, dirt, grass or water before putting your model away.
- Use a recommended charger for the batteries and follow the instructions correctly. Over-charging, incorrect charging, or using inferior chargers can cause the batteries to become dangerously hot.
- Regularly check the charger for potential hazards such as damage to the cable, plug, casing or other defects. Ensure that any damage is rectified before using the charger again.
- Do not allow the transmitter batteries to become low on charge, otherwise you risk losing control of the model.
- Do not allow any metal part to short circuit the batteries, speed control, or other electrical/electronic device on the model.
- If the model behaves strangely, immediately stop the model, check and clear the problem.
- Do not stall the motor. The speed control will fail within seconds if power is applied to the motor when the car cannot move.

# DO NOT USE YOUR MODEL:

- Near real cars, animals, or people that are unaware that an R/C car is being driven.
- In places where children and people gather
- In residential districts and parks
- In limited indoor spaces
- In wet conditions
- In the street

Take adequate safety precautions prior to operating this model. You are responsible for this model's assembly and safe operation.

Disregard of the any of the above cautions may lead to accidents, personal injury, or property damage. XRAY MODEL RACING CARS assumes no responsibility for any injury, damage, or misuse of this product during assembly or operation, nor any addictions that may arise from the use of this product.

#### www.feamonay.com

support@teemsrey.com

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