



XXX-S BRUSHLESS RTR

1/10 READY-TO-RUN 4WD SEDAN WITH NOVAK BRUSHLESS POWER

XXX-S SPORT Brushless RTR Operation Guide

Introduction

Thank you for choosing the Team Losi XXX-S Sport Brushless RTR. This is a highly developed R/C model that features a computer based radio system and Novak Sensored Brushless Motor System. Although it is an entry-level model, it does require some mechanical experience and/or parental supervision. This guide contains the basic instructions for operating and maintaining your new XXX-S Sport. It is critical that you read all of the instructions in this and all accompanying manuals in order to operate your model correctly and avoid damage. Please take a moment to look them over before running the model. Your hobby dealer cannot, under any circumstances, accept a model for return or exchange that has been run.

Safety Precautions

This is a sophisticated, high performance radio controlled model, which needs to be operated with caution and common sense. Failure to operate your model in a safe and responsible manner could result in personal and/or property damage. It is your responsibility to see that the instructions are followed and precautions adhered to. The XXX-S Sport is not intended for use by children without direct adult supervision. Team Losi, JR, Novak, and Horizon Hobby Inc. shall not be liable for any loss or damages, whether direct, indirect, special, incidental, or consequential, arising from use, misuse, or abuse of this product or any product required to operate it.

- Always follow the manufactures instructions for the battery, battery charger, radio and speed controller.
- The motor and battery pack may be hot during and after use. Avoid touching either of these until they are allowed to cool.
- It is normal for the battery pack to get slightly warm but not hot while charging. If it does become overheated, disconnect from the charger immediately and let it cool before use.
- Always operate your model in an open area away from cars and people to avoid the potential of injury or damage
- This model is controlled by a radio signal that is subject to interference from sources outside your control. This can cause temporary loss of control so it is advisable to always keep a safety margin in all directions to avoid collisions.
- Never operate your model in standing water or wet conditions as loss of control and damage to the electronics can occur.

Service Information

JR Radio Gear (Radio/Receiver/Servos)
(877) 504-0233 Horizon Hobby Customer Service

Novak Brushless System (Speedo/Motor)
(949) 833-8873 Novak Customer Service

Chassis (Anything non-electric)
(888) 899-LOSI Team Losi Customer Service

Required Equipment

You will need the following items to operate your new XXX-S Brushless Sedan.

- 8 each "AA" size Alkaline batteries for the transmitter
- 7.2 volt rechargeable Ni-Cad battery pack
- Charger for Ni-Cad Batteries

Tools You Will Find Handy

In addition to the small tools supplied with this model you will find the following most useful • Needle nose pliers • Hobby knife • Small screw driver • Quality 1/16", and 3/32" hex (Allen) drivers.

Normal Service, Cleaning, and Adjustments

Cleaning: Performance can be hindered if dirt gets in any of the moving suspension parts. Use compressed air, a soft paint brush and/or toothbrush to remove dust or dirt. Avoid using solvents as this can actually wash dirt into the bearings and areas not accessible without disassembly.

The Shocks will need to be serviced when the fluid gets low or dirty. After removing the shocks, unscrew the black plastic cartridge, dump out the fluid and clean thoroughly. Refill with Team Losi certified shock fluid (the model is supplied with 30 weight). Refer to the owners guide for proper filling and bleeding procedure. If the shocks leak fluid around the shaft it is time to replace the cartridges.

The Differentials should be serviced when the diff action becomes extremely gritty feeling. After disassembly, clean (or replace if necessary) the balls and drive rings then re-lube with Team Losi diff lube (LOSA3065). Complete assembly instructions are available in the enclosed owners manual.

Differential Adjustment: The front and rear differentials should be adjusted prior to the first use out of the box or after a rebuild/service and then again after several battery packs have been run. After this initial break-in period it is only necessary to check it after every hour of operation.

Checking/Adjusting the Rear Diff: After removing the gear cover, use your left thumb to hold the spur gear while holding the right side rear tire firmly to work the work surface as shown in Photo #1 of "Checking/Adjusting the Diffs". Now try to turn the left side tire toward the back of the model. It should be very difficult to turn. If not, the diff needs to be adjusted tighter. **Step 1)** locate the slot of the diff adjustment screw in the left side outdrive. This is done by holding the left rear wheel while turning the right tire (Photo #2). **Step 2)** Insert the long side of the 1/16" Allen wrench (included in the accessory bag) through the slot of the outdrive and diff screw so that they are locked together (Photo #3). **Step 3)** While holding the 1/16" Allen wrench in the diff screw and outdrive, turn the right side tire forward tightening the diff about as tight as you would the lid of a jar (Photo #4). **Step 4)** Recheck the diff and tighten again if necessary. **Step 5)** Replace the gear cover before operating.

Checking/Adjusting the Front Diff: 1) Use your right forearm to hold the left front tire down to the work surface while holding the spur gear with your right hand as shown in photo #5. Now try to turn the right front tire toward the rear of the model to check the adjustment. The diff adjustment screw is located in the left outdrive as in the rear. Use the same technique and **steps 1-5** outline above to adjust the front diff.

Warranty and Technical Information

This model and the electronics in it have been factory assembled and thoroughly checked at the time of shipment and as such is only warranted against original factory defects in materials and/or workmanship. Under no circumstances will any of the electronics be considered under warranty that have been disassembled or any part of the model that has been used for a purpose or in a fashion other than it was originally intended or designed.



Trouble Shooting Guide

- ***Short run time:** Battery not charged or bad. Adjust diff or Slipper if slipping.
- ***Sluggish Acceleration:** Possible bind in drivetrain. Transmission should spin freely as well as front and rear wheels.
- ***Motor/ESC not responding:** Refer to Novak Electronics instruction guide included in this kit.
- ***Doesn't Operate:** Check that Transmitter is on, batteries are good. Check if the ESC is in the "ON" position and battery is plugged in.
- ***Poor run time:** Check that battery pack is fully charged. Adjust Diff or Slipper is slipping excessively. Check condition of battery pack.
- ***Poor range or "Glitching":** Check for low transmitter batteries, loose transmitter antenna, broken/cut receiver antenna wire or loose plugs and wires.

Service Information

Chassis/Radio/Receiver/Servos - (877) 504-0233 Horizon Hobby Customer Service
Novak Brushless System (Speedo/Motor) - (949) 833-8873 Novak Customer Service