	SETUP	S I-		Т		
Name: 8 2.0EU Kit Vehicle Setup		Date:			Event:	
City:	State:	Track:				
Track Indoor Tight Smooth Conditions Outdoor Open Rough	☐ Hard Packed ☐ Blue Groove ☐ Loose/Loamy ☐ Dry	e □ Wet □ Dusty	Low BiteMed Bite	□ High Bite	;	
Front Suspension	Differentials		Acker	man	Bump Steer	
Toe: 2.5 degrees of toe-out	- Front: 🛛 Standard 🗆 Smart		Lon	lg		
Ride Height: 24mm	_ Spring Wire Dia:		I Silo			
Camber: -2 degree	_ Qty of Springs:		LP	A.		
Caster: Stock (22 degrees)	_ Ramp Plate:		8			
Sway Bar: <u>2.5mm</u>	_ Grease:		•		Outs	side $\frac{3}{2}$
Piston/Oil: <u>55/37.5 wt Losi</u>	_ Diff Fluid: 7000 wt Losi		(side
Spring: Silver 4.4 lb	_			12°		
Limiter/Droop: 95mm	- Center: 🛛 Standard 🗆 Smar	rt	alat			
Overall Shock Length: <u>95mm</u>	- Spring Wire Dia:				66	
Steering Ackerman: Long	- Oty of Springs:			MA	O D H	
Bump Steer: Down	- Ramp Plate:		E	Ho		
Camber Link: <u>2/A</u>	- Grease			5		
Shock Location: 1/Inside	- Diff Fluid: 5000 wt Losi		Notes:			
Receiver Battery Type: Losi LiPo						
Rear Suspension	_1					
Toe: <u>3 degrees</u>					Л	(LAS)
Anti-Squat: <u>3 degrees</u>					3	
Ride Height: <u>28mm</u>		_			2 — 1 —	
Camber: <u>-2 degrees</u>					3	
Rear Hub Spacing: <u>Back</u>				DCB	A 1	
Sway Bar: 2.3mm					6	60
Piston/Uil: <u>35/32.5 Wt LOSI</u> Spring: Silver 2.8lb				0000		
Limiter/Droop: 107mm			,			9
Overall Shock Length: <u>107mm</u>			and.			
Camber Link: <u>2/B</u>			191Hn			
Shock Location: <u>1/Inside</u>						
Rear Diff Fluid: 2000 wt Losi			<u>v</u>			
Engine		1	Notes:			
Engine:	- Fuel: <u>Nitrotane 30%</u>					
Glow Plug:	– Head Clearance:					
Pipe/Header:	_ Gearing: <u>13/46</u>					
Clutch Clutch Shoes an	d Springs Info	Tires	Туре		Compound	Insert
2 Composite with (Green Springs	Front:				
2 Aluminum with G	ireen Springs	Rear:				
		Notes:				
	<u></u>					



Horizon Hobby, UK Units 1–4 Ployters Rd Staple Tye, Harlow Essex CM18 7NS United Kingdom





STEP I-01

INTRO





Front Suspension

Ride Height:

Sway Bar: _____

Piston/Oil: ____

Limiter/Droop: _____

Bump Steer: _____

Camber Link: .

Shock Location:

Rear Suspension

Toe: ____

Camber: _

Sway Bar: -

|Spring: _

Piston/Oil:

_imiter/Droop: _

Camber Link: _

Shock Location: .

Rear Diff Fluid:

Engine:

Glow Plug: .

Pipe/Header:

Engine

Clutch

Overall Shock Length:

Anti-Squat: __

Ride Height: ____

Overall Shock Length: _____

Steering Ackerman: ____

Receiver Battery Type: _

Track

Toe: ____

Camber:

Caster:

Spring: -



Intro to the 8IGHT 2.0™EU Manual

Welcome Team Losi Racing 8IGHT 2.0EU Owner!

Thank you for selecting the Team Losi Racing 8IGHT 2.0EU as your new racing buggy. The 8IGHT 2.0 platform has already distinguished itself as a top caliber racing chassis. As you will see, we have made every effort to produce a vehicle that is not only the most competitive but also easy to maintain. The simple bag-by-bag assembly sequence and easily followed instructions with drawings combined with Team Losi Racing's world famous quality fitting parts will make using the 8IGHT 2.0EU a most enjoyable vehicle.

Before you open the first bag, please take a moment to read through the following instructions. This will familiarize you with the various parts, assembly tips and descriptions as well as the tools needed. This will also help you understand the dynamics of the 8IGHT 2.0EU and setup tips to ensure the best possible experience.

Good luck and good racing,

Team Losi Racing

Register your Losi Product Online:

Register your 8IGHT 2.0EU now and be the first to find out about the latest options parts, product updates and more. Log on to www.LOSI.com and follow the product registration link to stay connected.

8IGHT 2.0EU COMPLETED KIT SPECIFICATIONS

Overall Chassis Length: 415mm	Wheelbase: 323-327mm	*Front Track Width: 308mm
Overall Length w/Tires: 497mm	*Overall Height: 168mm	*Rear Track Width: 308mm

Note: Final vehicle weight will vary depending on accessories used. *All measurements taken at ride height 32mm.

Table 1: 8IGHT 2.0EU Completed Vehicle Specifications.

Vehicle/Manual Organization:

The vehicle is composed of different steps marked A through H. Each bag contains all of the parts necessary to complete a particular section of the vehicle. Some of these bags have sub-assembly steps within them. You should read through the instructions for an entire bag prior to working on your vehicle. Next to each of the step numbers is a check box. At the completion of each step, place a check in this box so that if you must stop and come back to the assembly, you can begin where you left off.

For your convenience, an actual-size Hardware Identification Guide is included as a fold-out page at the back of this manual. Hardware that is not easily differentiable in each step is called out with an icon which contains a small picture of the part genre (referenced on the Hardware Identification Guide), the quantity of that part required for what is shown in the step, and the size or name of that part. To check a part, hold it against the silhouette until the correct part is identified. Associated

with each of these parts, in the Hardware Identification Guide, is an LOSA Number which is used when ordering replacement parts for your 8IGHT 2.0EU. In some cases, extra hardware has been supplied for parts that may be easy to lose.



You can identify components used in each step by their LOSA Number and component name. With the exception of a few parts, these are not referenced in the Hardware Identification Guide.

The molded parts in Team Losi Racing vehicles are manufactured to demanding tolerances. When screws are tightened to the point of being snug, the parts are held firmly in place. For this reason, it is very important that screws not be over-tightened in any of the plastic parts.

In some steps there will be a filled black circle with a white number.

These indicate the specific order by which assembly must occur. In cases where steps are repeated (front/rear or left/right) these numbers may

be omitted. Please note these numbers do not call out every sub-step required for the step's assembly procedures, they only highlight the critical order required for assembly.

In each step, "Detail Icons" () call out critical precautions or assembly tips for the process. There is a reference key that describes the meaning of each of the icons located on the fold-out Hardware Identification Guide at the back of this manual. To ensure that parts are not lost during construction, you should work over a towel or mat to prevent parts from rolling away.

IMPORTANT SAFETY NOTES:

- Select an area for assembly that is away from the reach of small children. Some parts in this vehicle are small and can be swallowed by children, causing choking and possible internal injury; PLEASE USE CAUTION!
- 2. The shock fluid and greases supplied should be kept out of children's reach. They are not intended for human consumption!
- Exercise care when using any hand tools, sharp instruments, or power tools during construction.
- Carefully read all manufacturer's warnings and cautions for any chemicals, glues, or paints that may be used for assembly and operating purposes.

Age Recommendation: 14 years or over. This is not a toy. This product is not intended for use by children without direct adult supervision.

	000
Clutch Shoes and	Sprir







TOOLS REQUIRED FOR ASSEMBLY

Team Losi Racing has supplied all necessary Allen wrenches and special wrenches needed for assembly and adjustments. You also will need the following common tools: needle-nose pliers, regular pliers, hobby knife, scissors or other body cutting/trimming tools, and a soldering iron may be necessary for radio installation. 3/16", 1/4", 5/16" and 11/32" nut drivers are optional.

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Team Losi Racing is continually changing and improving designs; therefore, the actual part may appear slightly different than the illustrated part. Illustrations of parts and assemblies may be slightly distorted to enhance pertinent details.



BEFORE RUNNING YOUR NEW 8IGHT 2.0EU BUGGY run down the following checklist in order and complete the listed tasks. Please note that finetuning of the initial setup is an essential part of building a high-performance buggy, so follow this simple Checklist and the Team Tips to make the first run with your new buggy much more enjoyable.

1. Breaking in the differential:

While holding the chassis with **only** the left side tires firmly on the ground, give the car about one eighth throttle, for 30 seconds. The right side tires should spin freely during this time. Repeat this with **only** the right side tires held firmly to the ground, allowing the left tires to spin. Repeat these steps at least two more times.

2. Check for free suspension movement:

All suspension arms and steering components should move freely. Any binds will cause the car to handle poorly.

3. Set the ride height:

Set the ride height on your buggy so that the bottom of the chassis is 24mm from the ground in front and 28mm in the rear by adjusting the shock adjustment nuts, effectively increasing or decreasing pre-load on the springs. See the Setup Guide for additional information on ride height adjustment.

4. Set the camber:

Adjusting the camber tie rod length changes the amount of camber. Use the Losi wrench to adjust the tie rods once installed. Rotating the tie rods towards the front end of the vehicle will shorten the length, increasing negative camber. Rotating the tie rods towards the back of the car will lengthen them, decreasing negative camber. Set the front tires to have 3 degrees of negative camber and ensure they are adjusted equally, left to right. Set the rear tires to have 2 degrees of negative camber and ensure they are adjusted equally, left to right.

5. Set the front toe-in:

Adjust the front steering tie rods so that when the servo is centered on the transmitter, the front tires are both pointing slightly out with 2.5 degrees of toe-out. Refer to the Setup Guide for more information on toe-in/out.

6. Charge a receiver battery pack:

Charge a battery pack as per the battery manufacturer's and/or charger manufacturer's instructions so that radio adjustments can be made.

7. Set the transmitter steering trim:

The steering trim tab on the transmitter should be adjusted so the car rolls straight when you are not touching the steering wheel/stick. If the servo and steering link were installed correctly, the wheels should turn equally to the left and right. If this is not the case, refer to Table 2 and ensure the steering servo and horn were properly installed. Also check the steering link length as noted in Step A-01. Make sure the throttle trim is set so the brakes are not "dragging" in the neutral position.

8. Set the transmitter throttle and brake trim:

The throttle trim tab on the transmitter should be adjusted so the brakes are not dragging in the neutral position. The idle adjustment screw on the carburetor should be set at approximately 1mm open. When the throttle trigger is pulled back to the maximum, the carburetor is fully opened.

Before you start making changes on your 8IGHT 2.0EU Off-Road Racing buggy, you need to make a few decisions. You will find the best adjustment will become a personal decision based on the "feel" each of these adjustments yield. Never make more than one change at a time. If the change you made works adversely, or doesn't address your need, return to the previous position and try something else. For the latest in setup and accessory parts information, visit the Losi web site at: www.losi.com regularly. Also note that there are many ways to set up a car. The rules we follow can reverse sometimes with different driving styles or different setup styles.

Droop:

Always measure the droop of the 8IGHT 2.0EU with the shocks on the buggy. Droop is always measured from the center of the top shock mount to the center of the bottom shock screw and is usually accomplished with digital calipers for a precise measurement. More droop (travel) in the front has more on-power steering and allows the buggy to roll more on the rear when on throttle. More droop (travel) in the rear increases off-power steering and allows the buggy to roll on the front and rear droop accelerates better in bumps when going straight, but can cause the buggy to traction roll in rough turns. Less front and rear droop slides over bumps better in turns and may be better on high-speed and high-traction tracks. A general setup for shock length is 95mm in the front and 107mm in the rear.

Front Camber Links:

The lower camber link locations on the tower have more camber gain (total camber change through the suspension travel). Running the camber tie rod in the lower holes increases off-power steering and makes the vehicle more aggressive; however you may lose some consistency. More camber gain is good on small tight tracks. We find that running less camber gain in the front suits the car the best for consistency and steering balance. On the 8IGHT 2.0EU we offer a longer camber link on the spindle carrier. A longer front camber link makes the vehicle feel stiffer and this keeps the buggy flatter with less roll and increases high-speed steering. A short front camber link rolls more and makes the vehicle more aggressive. Too short of a front link may make the vehicle feel twitchy.

Rear Camber Links:

The 8IGHT 2.0EU has only two vertical rows of camber locations on the rear tower. The stock camber link setup for the 8IGHT 2.0EU is location #2 on the tower and B in the hub. A longer rear camber link provides less roll and improves stability and traction. A shorter rear camber link has more roll and increases steering and better handling in the bumps. By raising the inner camber link up you increase the roll stiffness of the vehicle. This can make the vehicle easier to drive but may reduce corner speed and hurt bump absorption. Running "A" in the rear hub generates more corner rotation entering the turn, but decreases steering on exit. Running "B" in the hub is more stable entering the turn and increases steering on exit.

Kingpin Inclination:

The 8IGHT 2.0EU is equipped with king pin inclination. We find that on high-speed tracks the king pin inclination provides an increase of precision steering while keeping the front of the car flatter. This has shown to improve handling in rough portions of the track. The 8IGHT 2.0EU is equipped with 12-degree Spindle Carriers, however 10-degree Spindle Carriers (LOSA1728) are offered as an option part. Less caster ultimately has less offpower steering but improves on-power steering.

Camber:

More negative camber in the front has more steering and is more responsive. Less negative camber in the front has less steering and is smoother. More negative camber in the rear has less rear traction, but increases on-power steering and is less grabby in bumps. Less negative camber in the rear has more rear traction and makes the rear of the buggy stay flatter, but if traction is lost it is more violent. To ensure your 8IGHT 2.0EU has the correct camber we recommend using our Losi Camber Gauge (LOSA99172).

Front and Rear Adjustable Hinge Pin Braces:

The 8IGHT 2.0EU is equipped with adjustable front and rear hinge pin braces. The adjustable hinge pin braces allow the angle of the pins on the front of the vehicle to be adjusted for more or less kick and on the rear of the vehicle for more or less toe-in, and more or less anti-squat. The charts below show the hinge pin insert orientation to acquire different setups.

Front Kick-Up Angle Adjustment							
Outer Fr	ont Brace	Inner Fr					
Insert Position	Insert Number	Insert Position	Insert Number	Total Kick-Up			
Up	1°	Down	Down 1°				
Up	0.5°	Down	0.5°	+1°			
Middle	0°	Middle	0°	0°			
Down	0.5°	Up	0.5°	-1°			
Down	1°	Up	1°	-2°			

			-				
Rear Toe-In Adjustment				Rear Anti-Squat Adjustment			
Insert Position	Insert Number	Total Toe-In		Insert Position	Insert Number	Total Anti-Squa	
Inside	1°	2°	1	Up	1°	3°	
Inside	0.5°	2.5°		Up	0.5°	2.5°	
Middle	0	3°	1	Middle	0	2°	
Outside	0.5°	3.5°	1	Down	0.5°	1.5°	
Outside	1°	4°	1	Down	1°	1°	

Front Toe:

You never want to run toe-in on the front of the 8IGHT 2.0EU. Front toe-in (longer steering rods) decreases steering response entering in the middle of the turn but increases on-power steering. Toe-out (shorter steering rods) increases steering response when entering the turn and increases straight line stability, however, it decreases on-power steering.

Rear Toe-in:

The 8IGHT 2.0EU kit setup is with 3 degrees of toe-in per side. Less rear toe-in increases the wheel base of the buggy and decreases forward traction, but increases top speed and side traction in the middle of a turn. More toe-in increases forward traction, has more off-power steering and less side traction. This is adjusted by the adjustable hinge pin braces with the different inserts included with the vehicle. See the table under the "Adjustable Hinge Pin Braces" in this section.

Front Kick:

The 8IGTH 2.0EU comes with 0 inserts in the front and rear. This is a very neutral setup. Increasing the amount of kick has more off-power steering, but decreases on-power steering. Increasing the kick is recommended for low-grip tracks. Decreasing the amount of kick has more on-power steering, but less off-power steering. Decreasing the amount of kick is recommended for high-grip tracks.

Rear Squat:

The 8IGHT 2.0EU comes with three degrees of anti-squat. Running less anti-squat has less off-power steering and rolls (side to side) more on the rear. Less anti-squat accelerates better in small bumps. More anti-squat has more support (side to side) and is better on rough tracks with big jumps. This is adjusted by the adjustable hinge pin braces with the different inserts included with the vehicle. See the table under the "Adjustable Hinge Pin Braces" in this section.

Wheel Base:

The 8IGHT 2.0EU kit setup is a long wheelbase. A shorter wheelbase (spacers behind the rear hubs) increases on-power traction, rear weight transfer, and has more off-power steering. A shorter wheelbase is better on tight or slick tracks. A longer wheelbase (spacers in front of the rear hubs) decreases off-power steering, is more stable, better in bumps, and has more on-power steering.

Sway Bars:

The 8IGHT 2.0EU kit setup is with 2.5mm sway bar on the front and a 2.3mm sway bar on the rear. A thinner front sway bar increases front off-power traction, but has less on-power steering. A thicker front sway bar decreases front off-power traction making the steering smoother entering the turn, but has more on-power steering. A thinner rear sway bar increases rear traction and decreases on-power steering. A thicker rear sway bar increases stability in the middle of the turn and increases on-power steering. Thicker sway bars are more stable on high-speed, high-traction tracks.

Pistons:

Generally smaller hole pistons, #56, have stiffer damping, slower weight transfer, slower response, and lands large jumps better. Larger hole pistons, #54, have softer damping, increased traction, quicker weight transfer/response, and bottom out easier off large jumps.

Shock Oil:

Lighter shock oil has more overall traction and responds quicker. Thicker oil has less overall traction and reacts slower. On high bite/smooth tracks, thicker oil is easier to drive. Make sure you adjust oil when there is a drastic temperature change (10°-12°C) or (20°-25°F). If it gets cold outside you need to go to lighter shock oil. If it gets hotter outside you need to go to thicker weight shock oil.

Shock Caps and Foam Bladder Compensators:

The 8IGHT 2.0EU is equipped with vented shock caps and foam bladder compensators. The vented shock caps allow the shocks to remain consistent by dissipating pressure as it increases from increased temperature changes. Also included with the 8IGHT 2.0EU are foam bladder compensators used between the bladder and the vented shock cap. The foam bladder compensators provide a more responsive feel to the vehicle. We advise that if you choose to not run the foam bladder compensators that you use non-vented shock caps (LOSA5420).

Shock Mounting Positions:

More inclined (moving the shocks in on the tower) has softer initial damping and is more forgiving. Less inclined (moving the shocks out on the tower) makes the car more responsive and is better for technical tracks.

Ackerman:

The long Ackerman plate has smooth off-power steering and is more forgiving. The long Ackerman plate has more steering on-power. The short Ackerman plate responds quicker and has more steering in the middle of the turn. A short Ackerman plate is better suited for tight technical tracks.

Bump Steer:

Running the bump steer ball down you will have smoother steering in the middle of the turn. With the bump steer ball up, you will increase steering in the middle of the turn.

Ride Height:

Measuring from a flat surface to the bottom face of the chassis, adjust the front of the chassis with 24mm of ride height and 28mm in the rear. On high-speed tracks the 8IGHT 2.0EU handles best when the front ride height is 2mm to 3mm lower or at least level than the rear of the truck. To measure your ride height properly we recommend using the Losi Ride Height Gauge (LOSA99173).

Engine Installation:

• Step 1: Before tightening the four engine mount screws, you need to tighten the gear mesh. • Step 2: Place a piece of paper between the Clutch Bell gear and Spur gear, slide the engine

pinching it between the gears, snug the engine mount screws. • Step 3: Rock one gear back and forth slightly while holding the other one steady. Check the gear mesh all the way around the spur gear.

• Step 4: Once engine alignment and gear mesh are correct, tighten the screws. Re-check the gear mesh to ensure the engine mounts did not move.

Tuning the Engine:

Should be done following the manufacturer's instructions.

To Shut Off the Engine:

Simply use the included pipe plug. Losi also makes a tuning driver with a built-in plug for the pipe (LOSA99167). Clutch:

On new clutch bells make sure to clean the inside of the clutch bell with a scouring pad or fine sandpaper to improve the break-in period. Softer springs engage at a lower rpm and have a smoother power band. If the engine doesn't have enough low-end power try running more preload (spring with more angle) or a stiffer spring. Stiffer springs engage at a higher rpm.

Plastic vs. Aluminum Clutch Shoes:

	Clutch Setup Number	Shoe/Spring	Description	
	1	4 Plastic with Black	Ultimately the smoothest and easiest to drive setup	
Clutch	2	2 Aluminum with Black 2 Plastic with Black	Used on very loose tracks where little punch is needed	
Enga	3	4 Plastic with Green	Used on loose high-speed tracks where there are no jumps out of turns	
igement Softest to F	4	2 Aluminum with Green 2 Plastic with Black	Very smooth, yet has good punch. Motor must have adequate power to pull this clutch setup	
	5	4 Plastic with Gold	Very forgiving and reduces wheel spin with punch being sacrificed slightly. Can be used with motors that have great bottom end	
	6	2 Aluminum with Gold 2 Plastic with Green	Good all around setup. Best compromise for punch and mileage	
lardest	7	2 Aluminum with Gold 2 Aluminum with Gold	Increased punch with slightly less mileage	
	8	4 Aluminum with Gold	Increased punch, good for jumps right out of turn, with average mileage.	
	9	4 Aluminum with 2 Silver and 2 Gold	Very aggressive with great punch, engine will run hotter and shoe life will diminish	
	10	4 Aluminum with Silver	Most aggressive, maximum punch. Use with motor that has very low bottom end	

Clutch Rebuild Tips:

Whenever you need to rebuild your clutch we recommend the following tips.

- Clean all parts, including bearings, with Losi Nitrotec[™] Spray Cleaner (LOSA99217) to ensure no oil or debris are on any of the parts.
- We recommend NOT using any type of threadlock on the clutch pins when reinstalling, this make it difficult for next reinstall.
- Once installed, pull back each clutch shoe 1mm to make sure they spring back to position to ensure proper movement.
- Ensure clutch bell movement of .25mm to .50mm and spins freely on the crank shaft. Use Losi's Metric Shim Set, LOSA6356 to dial this in.
- Break-in: While firmly holding the vehicle down, apply 1/2 throttle for three seconds. Repeat this three times to fully seat in your new clutch.

The Receiver Battery:

The receiver battery is an important, frequently overlooked part of gas-powered vehicles. A low receiver battery can cause the vehicle to act strange. The result can be a runaway vehicle or a poorly responding radio system. The length of time a receiver battery pack's charge lasts depends on the type of servos used. If using a NiCd or NiMH receiver pack, you should use a minimum battery size of 1100mAh and minimum voltage of 5.4 volts. Recommended batteries offered by Losi are LOSB9951 6V 1400mAh NiMH Receiver Pack or LOSB9820 7.4V 2000mAh 2C LiPo Receiver Pack. Please note you need a voltage regulator if you choose to use a Lithium Polymer (LiPo) receiver pack. Losi offers voltage regulators with a switch, LOSB9608 and without a switch, LOSB9609.

Fuel Tank:

Your 8IGHT 2.0EU comes preinstalled with a fuel tank insert to meet ROAR and EFRA tank rules. If you are not racing your 8IGHT 2.0 EU where these rules apply, you can remove the insert to allow for an additional 5cc of fuel and longer run time. Also included in your 8GHT 2.0 EU is an EFRA Fuel Kit. This should be used at all EFRA races to ensure your fuel tank volume will not change during racing. The EFRA Fuel Kit ensures the fuel line and clunk do not come out of the tank, increasing fuel volume. Below is a diagram on how to install the EFRA fuel kit. During installation of your EFRA fuel kit make sure the fuel tank clunk is positioned to the rear of the tank. This ensures that even during low fuel loads that your tank has the ability to draw fuel. If you are not using the EFRA fuel kit it is highly advised to check the fuel clunk periodically to ensure it is positioned to the rear of the fuel tank. After normal use it is possible that the fuel clunk can move forward in the tank causing inconsistent fuel consumption during low fuel loads.

Gearing

The 8IGHT 2.0EU uses a 43-tooth ring gear with a 13-tooth pinion gear giving the car a drive ratio of 3:31:1. The final drive ratio of the 8IGHT 2.0EU, with the stock gearing of 13/46, is 11.71: 1. If you are running on a large sweeping track and need more top speed, a 14-tooth clutch bell (LOSA9117) is recommended. You can also tune with optional center spur gears, available in 45-, 47-, 48-, and 50-tooth sizes.

Ge	ear Ratio Chart	Spur Gear					
		45	46	47	48	50	
Clutch Bell	12	12.41	12.69	12.96	13.24	13.79	
	13	11.46	11.71	11.97	12.22	12.73	
	14	10.64	10.88	11.11	11.35	11.82	
	15	9.93	10.15	10.37	10.59	11.03	
-	16	9.31	9.52	9.72	9.93	10.34	

Brake Setup

The standard brake bias for the 8IGHT 2.0EU is 60% rear - 40% front. If you need the buggy to rotate more under braking, adjust the linkage for less front brake. If the buggy is loose entering turns under braking, adjust the linkage for less rear brake or more front brake.

Outdrives and Traction:

When your 8IGHT 2.0EU is new it will have a lot of chassis roll and be a little loose on throttle due to lack of friction in the outdrives and crossbones. After about 45–60 minutes of running, the 8IGHT 2.0EU will gain traction and stability. Once your 8IGHT 2.0EU is broken in, replace the outdrives and crossbones with new parts for more corner speed.

Front Center Driveshaft:

Maintaining the front center driveshaft is very important. Greasing the front center driveshaft coupler with Losi Hi-Pressure Black Grease (LOSA99203) and using the rubber boot allows the parts to last longer and improves the drivability of the vehicle.

color.

Mounting:

The body is already cut out for mounting. However you will need to cut out the area for the pipe stinger. Do this before you paint your body to see where it exactly needs trimmed.

Stickers:

After the body is mounted, REMOVE THE PROTECTIVE FILM ON THE OUTER SURFACE, now you can apply the stickers.

LEXAN RC CAR BODIES ARE MEANT TO BE PAINTED FROM THE INSIDE!) Apply paint to the inside of the Body. Remove the masking tape for the next color and continue. Try to use darker colors first. If you use a dark color after a light color, apply a coat of white paint over the lighter color before applying the darker color, or if you are painting over white, coat it with silver. This will help prevent the darker color from bleeding through the lighter

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Not Responsible for Typographical Errors

8IGHT 2.0EU Exploded View and Parts List

LOSA1701 Front Suspension Arm Bushings (4) LOSA1703 Front Suspension Arm Set: 8B 2.0 LOSA1713 Shock Tower Front: 8B 2.0 EU LOSA1729 Aluminum Inclined King Pin Spindle LOSA1733 Aluminum Inclined Kin Pin Spindle Carrier, 12 degree LOSA1725 Rear Suspension Arms: 8B 2.0 LOSA1731 Rear Hub Carriers: 2.0 LOSA1719 Shock Tower Rear: 8B 2.0 EU LOSA1750 Sway Bar Set LOSA1751 Sway Bar Set: 2.0 LOSA1757 Adjustable Front Hinge Pin Brace w/Inserts: 8 2.0 EU LOSA1758 Adjustable Rear Hinge Pine Brace w/Inserts: 8 2.0EU LOSA3500 Diff Housing F/R/C LOSA3501 Diff Shims, 6x11x.2mm: 8B 2.0 LOSA3502 Differential Gear & Shaft Set LOSA3503 F/R HD Diff Outdrive Cups & Pins LOSA3505 Diff Seal Set LOSA3506 Center Diff Outdrive Cups & Pins LOSA3508 F/R Diff Pinion Gear LOSA3509 Front Diff Ring Gear LOSA3510 Rear Diff Ring Gear LOSA3514 F/R Diff Pinion Couplers (2) LOSA3551 Center Diff Spur Gear 46T LOSA3518 Drive Pin Set LOSA3522 F/R CV Driveshaft Axles (2) LOSA3523 F/R CV Driveshaft Coupling Set (2) LOSA3526 Center Front CV Driveshaft Assembly LOSA3531 Wheel Nuts & Pins (4 each) LOSA3534 F/R CV Driveshaft Set (2):8B 2.0

LOSA3535 F/R CV Driveshafts (2): 8B 2.0 LOSA3536 Center Rear CV Driveshaft Assembly: 8B 2.0 LOSA3537 Grease Boot (4): 8B 2.0 LOSA3538BL Covered 17mm Wheel Nuts, Aluminum, Black (4) LOSA3539 Wheel Hex (2) Hard Black Anodized: 8B 2.0 EU LOSA3544 Brake Cam Set LOSA3545 Brake Disk Set (2): 8B 2.0 LOSA3546 Brake Pads & Screws: 8B 2.0 LOSA4002 Antenna Kit LOSA4003 Antenna Caps (8) LOSA4404 Chassis, Tuned Flex Tech +2mm:8B2.0 LOSA4406 Steering Bellcrank Plastic: 8B 2.0 LOSA4408 Steering Post Set LOSA4412 Steering Rack Set Short/Long: 8B 2.0 LOSA4413 Front Chassis Brace Set LOSA4414 Rear Chassis Brace LOSA4419 Switch Cover LOSA4420 Center Diff Mount & Brace Set: 8B2.0 LOSA4421 Radio Tray & Mounts: 8B 2.0 LOSA4422 Front Bumper, Tank & Filter Guard LOSA4424 Body Posts & Tank Mounts LOSA4427 Front Gearbox Set LOSA4432 Chassis Guard Set: 8B 2.0 LOSA4435 Wing Mount Set LOSA4450 Rear Gearbox Set: 8B 2.0 LOSA4451 Rear Gearbox Locking Inserts: 8B 2.0 LOSA4452 Gearbox Shims: 8B 2.0 LOSA4453 Chassis Spacer/Cap Set: 8B 2.0 LOSA5401 15mm Shock Body 42.6mm (1)

LOSA8131 8IGHT Wing, White: 8B, 8T, 2.0 LOSA8200 Body Clips (12) LOSA8301 TL Bubble Nameplates (4) LOSA8382 Team Losi Racing Large Sticker Sheet: 8 2.0 EU LOSA8383 8IGHT 2.0EU Logo Sticker Sheet LOSA9103 Clutch Nut & Hardware - 4 Shoe LOSA9105 Aluminum Flywheel & Collet 4 Shoe LOSA9106 Clutch Pins & Hardware - 4 Shoe: 8B 2.0 LOSA9107 Clutch Shoes Composite (2) LOSA9108 Clutch Shoes Aluminum (2) LOSA9112 Clutch Springs - Black (.036" 25 Deg) LOSA9113 Clutch Springs - Green (.036" 30 Deg) LOSA9125 High Endurance Clutch Bell 13T LOSA9150 Air Filter Set LOSA9151 Air Filter Foams Pre-oiled 4 ea LOSA9154 Engine Mount Set LOSA9162 Fuel Tank: 8B 2.0 LOSA9163 Fuel Tank Cap, Spring & Seal: 8B 2.0 LOSA9164 EFRA Fuel Tank Kit LOSA9169 Tuned Pipe Mount & Hardware: 8 2.0EU LOSA9168 Throttle/Brake Link Set: 8B 2.0 LOSA99040 Metal Servo Insert, 23S Spline, Airtronics (2) LOSA99041 Metal Servo Insert, 23 Spline, JR (2) LOSA99042 Metal Servo Insert, 24 Spline, Hitec (2) LOSA99043 Metal Servo Insert, 25 Spline, Futaba (2) LOSA9313 Fuel Tank Mounting Set LOSA9315 Fuel Tubing 24 LOSA9316 Fuel Line Clips LOSB5004 Fuel Tank Lid Pull, Black (2)

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LOSA4454 Rear Gearbox Bearing Inserts, Aluminum

LOSA5277 Silicone Fluid, 1000cs

LOSA5278 Silicone Fluid, 2000cs

LOSA5279 Silicone Fluid, 3000cs

LOSA5280 Silicone Fluid, 5000cs

LOSA5281 Silicone Fluid, 7000cs

LOSA5282 Silicone Fluid, 10.000cs

LOSA5283 Silicone Fluid, 15,000cs

LOSA5284 Silicone Fluid, 20,000cs

LOSA5285 Silicone Fluid, 30,000cs

LOSA5286 Silicone Fluid, 50,000cs

LOSA5417 Fr/R Shock Set (4): 8B/8T

LOSA5420 15mm Shock Caps Top (2)

LOSA5446 Front Spring Set (6): 8B/8T

LOSA5447 Rear Spring Set (7): 8B/8T

LOSA5418 Shock Service Parts & Box: 8B, 8T

LOSA5450 15mm Springs 2.3" x 4.1 Rate Red

LOSA5452 15mm Springs 2.3" x 4.7 Rate Green

LOSA5453 15mm Springs 2.3" x 5.0 Rate Black

LOSA5456 15mm Springs 3.1" x 2.5 Rate Red

LOSA5457 15mm Springs 3.1" x 2.8 Rate Silver

LOSA5458 15mm Springs 3.1" x 3.1 Rate Green

LOSA5459 15mm Springs 3.1" x 3.4 Rate Black

LOSA6140 8IGHT Screw/Nut Assortment Box LOSA6929 8IGHT/T Bearing Box w/Bearings

LOSA7880 Losi Tire Glue, Standard

LOSA7884 Losi Off-Road Tire Gluing Kit

LOSA8132 1/8 Universal Wing Kit, Yellow

LOSA9100 8IGHT/T Clutch Rebuild/Service Box

LOSA9114 Clutch Springs - Gold (.040" 25 Deg)

LOSA9115 Clutch Springs - Silver (.040" 30 Deg)

LOSA9127 High Endurance Clutch Bell 14T

LOSA9155 Quick Change Engine Mount Set: 8B, 8T, 2.0

LOSA9156 Quick Change Engine Mount Only: 8B,8T, 2.0

LOSA9102 Flywheel & Collet, Steel, 4 Shoe: 8B, 8T

LOSA7881 Losi Tire Glue, Thin

LOSA8130 8IGHT Wing-Black

LOSA9116 Clutch Bell 13T

LOSA9117 Clutch Bell 14T

LOSA9118 Clutch Bell 15T

LOSA9119 Clutch Bell 16T

LOSA9314 Ultra Fuel Tubing, 5'

LOSA99030 Servo Arm, Aluminum: JR

LOSA99031 Servo Arm, Aluminum: KO/AIR LOSA99032 Servo Arm, Aluminum: FUT

LOSA99303 Servo Arm, Aluminum: Hitec LOSA99059 8IGHT/8IGHT-T 2.0 Starter Box LOSA99070 Speed-Shot Fuel Gun LOSA99104 Losi Race Wrench: US 4pc. Set LOSA99120 8 in 1 Hex Wrench Kit LOSA99150 Losi Nut driver: US 4pc. Set LOSA99167 Losi Tuning Screw Driver LOSA99171 Temp Tuner LOSA99173 Ride Height Gauge LOSA99174 Car Stand: 8IGHT/T LOSA99176 Precision Tire Balancer LOSA99177 Tire Balancing Clay, 3oz (85g) LOSA99202 Losi-Lok Thread Lock, Blue LOSB5011 Fuel Tank Lid Pull, Yellow (2) LOSB3528 Heavy Duty Diff Case LOSB4604 17mm Wheel Wrench LOSB5201 Losi Fuel Bottle, 500cc LOSB5221 Aluminum Glow Driver w/NiCd & Charger LOSB9820 7.4V 2000mAh 2C LiPo Rx Pack, 1/8 LOSB9606 Multi Pro Intelligent Balance Charger LOSB9608 High Output LiPo Regulator w/Switch LOSB9609 High Output LiPo Regulator w/o Switch LOSB9951 6V 1400mAh NiMH Receiver Pack with BEC

Tires, Inserts and Wheels

LOSA7730 1.8th Buggy Molded Inserts (2) LOSA7750 1/8 Buggy Dish Wheels, White (4) LOSA7751 1/8 Buggy Dish Wheels, Yellow (4) LOSA7761G 1.8th Taper Pin Buggy Tire with Inserts (2) LOSA7761P 1.8th Taper Pin Buggy Tire with Inserts (2) LOSA7762G 1.8th Step Pin Low Profile Buggy Tire with Inserts (2) LOSA7763G XBT 1.8th XBT Buggy Tires with Inserts (2) LOSA7763R XBT 1.8th XBT Buggy Tires with Inserts (2) LOSA7763S XBT 1.8th XBT Buggy Tires with Inserts (2) LOSA7769G Eclipse 1.8th Buggy Tires with Inserts (2) LOSA7769R Eclipse 1.8th Buggy Tires with Inserts (2) LOSA7769S Eclipse 1.8th Buggy Tires with Inserts (2) LOSA7770P King-Pin 1.8th Buggy Tires with Inserts (2) LOSA7770R King-Pin 1.8th Buggy Tires with Inserts (2) LOSA7771G Reptile 1.8th Buggy Tires with Inserts (2) LOSA7771R Reptile 1.8th Buggy Tires with Inserts (2) LOSA7771S Reptile 1.8th Buggy Tires with Inserts (2)

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(c) Purchaser Remedy- Horizon's sole obligation hereunder shall be that Horizon will, at its option, (i) repair or (ii) replace, any Product determined by Horizon to be defective. In the event of a defect, these are the Purchaser's exclusive remedies. Horizon reserves the right to inspect any and all equipment involved in a warranty claim. Repair or replacement decisions are at the sole discretion of Horizon. This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of or to any part of the Product. This warranty does not cover damage due to improper installation, operation, maintenance, or attempted repair by anyone other than Horizon. Return of any goods by Purchaser must be approved in writing by Horizon before shipment.

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HORIZON SHALL NOT BE LIABLE FOR SPECIAL. INDIRECT OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCT, WHETHER SUCH CLAIM IS BASED IN CONTRACT. WARRANTY. NEGLIGENCE, OR STRICT LIABILITY. Further, in no event shall the liability of Horizon exceed the individual price of the Product on which liability is asserted. As Horizon has no control over use, setup, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, setup or assembly, the user accepts all resulting liability.

If you as the Purchaser or user are not prepared to accept the liability associated with the use of this Product, you are advised to return this Product immediately in new and unused condition to the place of purchase.

Law: These Terms are governed by Illinois law (without regard to conflict of law principals).

Safety Precautions

This is a sophisticated hobby Product and not a toy. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the Product or other property. This Product is not intended for use by children without direct adult supervision. The Product manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or injury.

Questions, Assistance, and Repairs

Your local hobby store and/or place of purchase cannot provide warranty support or repair. Once assembly, setup or use of the Product has been started, you must contact Horizon directly. This will enable Horizon to better answer your questions and service you in the event that you may need any assistance. For questions or assistance, please direct your email to feedback@teamlosi.com, or call 888.899.LOSI (5674) toll free to speak to a service technician.

Inspection or Repairs

If this Product needs to be inspected or repaired, please call for a Return Merchandise Authorization (RMA). Pack the Product securely using a shipping carton. Please note that original boxes may be included, but are not designed to withstand the rigors of shipping without additional protection. Ship via a carrier that provides tracking and insurance for lost or damaged parcels, as Horizon is not responsible for merchandise until it arrives and is accepted at our facility. A Service Repair Request is available at www. horizonhobby.com on the "Support" tab. If you do not have internet access, please include a letter with your complete name, street address, email address and phone number where you can be reached during business days, your RMA number, a list of the included items, method of payment for any non-warranty expenses and a brief summary of the problem. Your original sales receipt must also be included for warranty consideration. Be sure your name, address, and RMA number are clearly written on the outside of the shipping carton.

Warranty Inspection and Repairs

To receive warranty service, you must include your original sales receipt verifying the proof-of-purchase date. Provided warranty conditions have been met, your Product will be repaired or replaced free of charge. Repair or replacement decisions are at the sole discretion of Horizon Hobby.

Non-Warranty Repairs

Should your repair not be covered by warranty the repair will be completed and payment will be required without notification or estimate of the expense unless the expense exceeds 50% of the retail purchase cost. By submitting the item for repair you are agreeing to payment of the repair without notification. Repair estimates are available upon request. You must include this request with your repair. Non-warranty repair estimates will be billed a minimum of ¹/₂ hour of labor. In addition you will be billed for return freight. Please advise us of your preferred method of payment. Horizon accepts money orders and cashiers checks, as well as Visa, MasterCard, American Express, and Discover cards. If you choose to pay by credit card, please include your credit card number and expiration date. Any repair left unpaid or unclaimed after 90 days will be considered abandoned and will be disposed of accordingly. Please note: non-warranty repair is only available on electronics and model engines.

Electronics and engines requiring inspection or repair should be shipped to the following address:

> Horizon Service Center 4105 Fieldstone Road Champaign, Illinois 61822, USA

All other Products requiring warranty inspection or repair should be shipped to the following address:

> Horizon Product Support 4105 Fieldstone Road Champaign, Illinois 61822, USA

Please call 877-504-0233 or e-mail us at productsupport@ horizonhobby.com with any questions or concerns regarding this product or warranty.

European Union:

Electronics and engines requiring inspection or repair should be shipped to one of the following addresses:

> Horizon Hobby UK Units 1-4 Ployters Rd Staple Tye, Harlow Essex CM18 7NS United Kingdom

Please call +44 (0) 1279 641 097 or email sales@horizonhobby.co.uk with any questions or concerns regarding this product or warranty.

> Horizon Technischer Service Hamburger Str. 10 25335 Elmshorn Germany

Please call +49 4121 46199 66 or email service@horizonhobby.de with any questions or concerns regarding this product or warranty.

Horizon Hobby SAS 14 Rue Gustave Eiffel Zone d'activité du réveil matin 91230 Montgeron France Please call +33 (0) 1 30 47 44 70

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Compliance Information for the European Union

Instructions for Disposal of WEEE by Users in the European Union

This product must not be disposed of with other waste. Instead, it is the user's responsibility to dispose of their waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or where you purchased the product.