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This section must be completed by the original selling distributor or Radical Sportscars.

VEHICLE IDENTIFICATION

MODEL

CHASSIS No

REGISTRATION No

DATE / / 20

No. 7346 V1
07/14 – 200

Owners handbook 1/1
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Dear Radical owner,

Thank you for purchasing a Radical RXC and welcome to the worldwide Radical family. The RXC is the culmination of four and a half years of design and development to create the world’s most extreme road-legal coupe. Influenced and inspired by contemporary LMP design, it brings a true taste of Le Mans to the road. The RXC is a truly unique sportscar and, if properly maintained, will give you an amazing driving experience whether on the open road or on a race circuit. Although your car has been carefully constructed, inspected and run-up, please do not press the Engine Start button until you have read through this Owner’s Handbook, carried out all the checks and learnt how to get the best from your car.

You will find all the help and support you need via the information and contacts on our global website network:

http://www.radicalsportscars.com

Parts, consumables and merchandise can be purchased online while technical advice, sales and aftersales advice is just an email or telephone call away.

Phil Abbott
Radical Co-Founder
CAUTION:

The Radical RXC is a high-performance road and track vehicle with extreme handling and speed capabilities. Due to the intense nature of the RXC, we advise all owners to read this handbook thoroughly before driving. Always drive within your own capabilities, paying close attention to local traffic regulations, the prevailing weather conditions, road surface and other road users.

It is recommended that RXC owners seek professional performance driving instruction on purchase of an RXC.
Before you take receipt of your new Radical RXC, your local Radical distributor has performed the following checks to ensure that it is ready for use:

**BODYWORK/EXTERIOR**
> Check for damage during transit
> Ensure all body catches are tight
> Clean and polish bodywork

**TYRES**
> Visual inspection for damage during transit
> Tyre pressure check and adjustment to factory settings
> Ensure valve caps present

**DASHBOARD**
> Check functionality of all buttons and functions
> Set speedometer to correct units (MPH/KPH)
> Zero odometer

**ENGINE BAY**
> Visual inspection of engine bay
> Check oil level, adjust level as required
> Check coolant level in swirl pot, adjust level as required, check coolant is circulating when engine running
> Clean airbox and area around engine

**ELECTRONICS**
> Check ECU/sensor operation and rectify any faults indicated, clear ECU of data

**ROAD TEST**
> Brief road/track test to check functionality of:
  1. Starter
  2. Throttle/clutch/brakes
  3. Paddleshift system
  4. Handbrake (adjust if required)
  5. Lighting, instruments and controls
Pre delivery check

SAFETY KIT (Road only)
> Compile safety kit relevant to local/national regulations, such as:
  1. Warning triangle
  2. Bulb and fuse kit
  3. Tyre repair kit
  4. Reflective vest
  5. First aid kit

DOCUMENTATION
> Complete, sign and stamp Pre-Delivery Inspection entry in Service Record
> Compile customer pack containing:
  1. RXC Owner’s Manual (this document)
  2. Dipstick and wheel nut socket
  3. ECU Data Download Cable
  4. Copy of EU Certificate Of Conformity (Turbo road car only)
  5. Spare key and immobiliser key fob

DISTRIBUTOR-CUSTOMER HANDOVER
Your local Radical distributor will carry out the following handover to ensure you are completely happy in the operation and everyday maintenance of your new Radical RXC
> Adjustment of the seat, harnesses and controls
> Instrumentation and dashboard
> Driving including paddleshift operation
> Location of oil filling points, coolant and filters
> Location of jacking and towing points
> Explanation of safety points regarding harnesses, tyres etc.
> Adjustment of pedals for first owner
> Damper set up
> Explanation of data downloading (if optioned)
> Explanation of starting and stopping the engine
> Customer and distributor sign on page 09; copy returned to Radical Sportscars UK

24 hours after delivery is taken by the RXC customer, your local Radical Distributor will contact you to ensure you are happy with the operation of your new purchase.
I confirm that (distributor stamp) has carried out the Radical RXC Handover Procedure and I am satisfied with the vehicle’s operation, maintenance and service schedule upon delivery.

Customer Signature:  Print Name:
Getting started

Exterior overview
Interior overview
Controls
LCD dashboard
Safety and security
Exterior overview
Exterior overview

1. Seat adjustment  
2. Tyre pressures/specification  
3. Front/rear body clips and catches  
4. Front light bulb replacement  
5. Dipped beam handing – left/right  
6. Towing  
7. Refuelling, correct fuel grade  
8. Bodywork cleaning and care  
9. Centre-lock wheel removal/fitting
Controls
LCD Dashboard
Safety and security
Interior overview - Right hand drive

- Hazard warning lights on/off button
- Electric mirror adjustment joystick
- Rear foglight on/off button
- Fan on/off button
- Heated screen on/off button
- Wash wipe on/off button
- Engine start button
- ECU data socket
- Circuit breaker
- AIM data socket
- Traction control
- Dipped beam lights on/off button
- Heater on/off button
- Airconditioning on/off button
- Sidelights on/off button
- Interior light on/off button
- Traction control
- Master switch
- Tell tale
- Power steering adjustment
Interior overview - Left hand drive

- Interior light on/off button
- Traction control
- Airconditioning on/off button
- Heater on/off button
- Dipped beam lights on/off button
- Sidelights on/off button
- Hazard warning lights on/off button
- Electric mirror adjustment joystick
- Rear foglight on/off button
- Power steering adjustment
- Master switch
- ECU data socket
- Fan on/off button
- AIM data socket
- Heated screen on/off button
- Wash wipe on/off button
- Engine start button
- Traction control
- Circuit breaker
INDICATORS
With the wheels straight ahead, pressing the leftmost indicator button causes the flashing left-turn indicators to operate. Pressing the rightmost indicator button causes the flashing right-turn indicators to operate. Indicators can be cancelled by pressing the button again, or will self-cancel after 30 seconds.

LIGHT CONTROLS
The light switches on the steering wheel operate with different logic depending on whether the car’s dipped-beam headlights are illuminated. Daytime running lights (DRLs): These will illuminate when the ignition key is switched to the ‘on’ position and will remain on, regardless of whether the engine is running. Sidelights: pressing the sidelight button on the dashboard (see Interior Overview page) will illuminate the LED sidelights. Illumination of dashboard switches and the multifunction LCD screen will also occur. Sidelights and dash illumination are switched off when the sidelight button is pressed again or the ignition is switched off.

Dipped beam: Dipped beam can only be activated once the sidelights have been turned on. Press the headlight button on the dashboard (see Interior Overview page) to switch on the dipped beam headlights.

Main beam: With the dipped beam headlights already on, main beam is selected by pressing either of the steering wheel-mounted main beam buttons. The headlights will remain on main beam until the button(s) are pressed again.

Flash function: Oncoming traffic can be flashed by the main beam headlights, when not on dipped beam. With only the DRLs/sidelights on, pressing the steering wheel-mounted main beam buttons will illuminate main beam for as long as the button is depressed. The headlights will extinguish as soon as the button is released.
HORN
Pressing the button operates the audible warning device for as long as the button is pressed.

DOWN GEARSHIFT PADDLE
Used to select a lower gear, neutral from first gear, or reverse gear from neutral ONCE STATIONARY. Please see the Driving Your RXC section for more details.

UP GEARSHIFT PADDLE
Used to select a higher gear, first gear from neutral, or neutral from reverse gear ONCE STATIONARY. Please see the Driving Your RXC section for more details.

STEERING WHEEL CENTRE
Padded for occupant safety in the event of an impact, in conjunction with the use of the safety harnesses. This can be removed for access to the steering wheel boss securing screws if required.

WINDSCREEN WIPER
Pressing the wheel-mounted switch activates an intermittent wipe of the windscreen; press the switch again to activate slow-speed constant wipe, then again for fast-speed constant wipe. A further press returns the wipers to intermittent wipe, or press and hold at all wiper speeds to turn the wipers off.

WASH/WIPE FUNCTION
Press and hold the dash-mounted wash/wipe button. The wiper jets and wipers will activate for five seconds before switching off automatically or returning to previous state (intermittent/slow/fast wipe).

ENGINE START BUTTON
Activates the starter motor once the ignition has been turned on at the steering column key and electrical master switch.

PARKING HANDBRAKE INDICATION LIGHT ON TELL-TALE
Indicates when the handbrake is acting on the rear wheels. Please ensure this extinguishes before driving away and investigate if the light illuminates whilst driving.
BRAKE FLUID WARNING LIGHT ON TELL-TALE
Warns of low brake fluid level or brake pressure.
If this illuminates whilst driving **STOP THE VEHICLE IMMEDIATELY** and investigate/check brake fluid level.

REAR FOGLIGHT ON/OFF BUTTON
Press to activate the rear high-intensity LED foglight. An indication light will also appear on the dash to show the foglights are illuminated.

MAIN BEAM INDICATION LIGHT ON TELL-TALE
Illuminates to indicate when main beam headlights are illuminated.

COCKPIT FAN ON/OFF BUTTON
Activates the cockpit circulation fan. This will blow air into the cockpit area from beneath the dash, at ambient temperature. Press up to three times to increase speed, press and hold to turn the cockpit fan off.

HEATER ON/OFF BUTTON
Press to activate the heater.

AIR CONDITIONING ON/OFF BUTTON
Press to activate the air conditioning which operates from the outermost air vents only.

POWER STEERING ADJUSTMENT SWITCH.
Has five settings, 1 - Minimum assistance, 5 - Maximum assistance.

ELECTRIC MIRROR ADJUSTMENT JOYSTICK
The Radical RXC is fitted with electrically adjustable electric mirrors. Twist the joystick clockwise or counter-clockwise towards the mirror for adjustment, then move the joystick to adjust the mirror position. Twist the joystick back into the central, upright position when not in use to prevent accidental movement of the mirrors.

ELECTRIC WINDSCREEN/MIRROR HEATING ON/OFF BUTTON
Activates electric heating elements in the windscreen and rear-view mirrors, to demist for a clear rear view. Press to commence heating, the elements will switch off automatically after ten minutes when the button is pressed again or when the ignition is turned off.
FOOTWELL/COURTESY LIGHT ON/OFF BUTTON
Turns on the overhead lighting to aid your exit from the car. This will also automatically illuminate for 30 seconds after the ignition key is turned off.

DASHBOARD CIRCUIT BREAKERS
Protect the multi function LCD dashboard from damage. These will pop out if tripped but can be reset by pushing the ‘button’ top back in. If the circuit breakers trip repeatedly, there is an electrical fault which should be investigated.

AIM DATA DOWNLOAD SOCKET FOR LCD DASH
Allows the parameters of the multifunction LCD dashboard to be adjusted, and timing/telemetry data to be downloaded (optional feature; ask your Radical distributor for more details).

TRACTION CONTROL ON/OFF BUTTON
The traction control system should remain enabled under normal driving conditions and whenever otherwise possible. In extreme circumstances it is possible to disarm the traction control system by depressing the black T/C button. A red light will illuminate to indicate that the system is disarmed. Always re-enable the traction control system when normal driving resumes by pressing the button again.

It is strongly recommended that the traction control system remains enabled at all times.
LCD dashboard

- Engine revs/shift lights
- Gear indicator
- Water temperature reading
- High water temperature warning light
- Low water temperature warning light
- Low fuel level warning light
- Dash menu/recall buttons
- Tachometer
- Speedometer
- Odometer
- High oil temperature warning light
- Low oil temperature warning light
- Low oil pressure warning light
- Oil temperature reading
- Odometer

- Oil temperature reading
- Speedometer
- Odometer
- High oil temperature warning light
- Low oil temperature warning light
- Low oil pressure warning light
- Oil temperature reading
LOW FUEL LEVEL WARNING LIGHT
Illuminates once the fuel level in the tank drops below six litres. Once the light illuminates, refuel at the earliest opportunity.

LOW WATER TEMPERATURE WARNING LIGHT
Illuminates if the engine coolant water is below 60°C. The vehicle should not be driven under load until the engine coolant temperature has passed 60°C. If the light illuminates whilst driving under normal conditions, stop as soon as possible.

HIGH WATER TEMPERATURE WARNING LIGHT
Illuminates if the engine coolant water exceeds 110°C. The vehicle should not be driven if the engine coolant temperature has passed 110°C. If the light illuminates whilst driving, stop and investigate as soon as possible, allowing the car to cool down slowly to avoid damage.

LOW OIL PRESSURE WARNING LIGHT
Illuminates to warn of low oil pressure. If this light illuminates under normal driving conditions STOP DRIVING IMMEDIATELY, switch off the engine and investigate the fault. Occasionally, if the engine is at operating temperature and idling, this light may momentarily illuminate; this is normal.

LOW OIL TEMPERATURE WARNING LIGHT
Illuminates if the engine oil temperature is low. The vehicle should not be driven under load until the engine oil temperature light has gone out. If the light illuminates whilst driving under normal conditions, stop as soon as possible.

HIGH OIL TEMPERATURE WARNING LIGHT
Illuminates if the engine oil temperature exceeds 130°C. The vehicle should not be driven if the engine oil temperature has passed 130°C. If the light illuminates whilst driving, stop and investigate as soon as possible, allowing the car to cool down slowly to avoid damage.
ENGINE SHIFT LIGHTS
Illuminate towards the centre of the dash, from green-orange-red. The lowest green lights will illuminate at 5,000rpm (V6/turbo), 7,500rpm (V8), with the highest red light illuminating at 6,200rpm (V6/turbo) 9,500rpm (V8). Change up a gear before the lights enter the red zone; persistent driving on the rev limiter may damage the engine.

TACHOMETER
Calibrated between 0-7000rpm (V6/turbo)
10,000rpm (V8) the RXC maximum revs are 6,500rpm (V6/turbo) 9,500rpm (V8). Once the engine is switched off, a tell-tale marker will remain indicating the highest revs reached during that run.

GEAR INDICATOR
Shows the gear as a value 1-7. Neutral is indicated with a 0 (zero). Reverse gear is indicated by a digital ‘R’.

SPEEDOMETER
Displays vehicle speed in miles per hour or kilometres per hour, depending on the dash calibration. The units of measurement can be changed within the dash menu; contact Radical for more details.

ODOMETER
Displays overall vehicle mileage since new.

WATER TEMPERATURE READING
Displays engine coolant water temperature in °C.

FUEL LEVEL READING
Displays current fuel level in litres.

OIL TEMPERATURE READING
Displays engine oil temperature in °C.

DASH MENU/RECALL BUTTONS
Ask your local Radical distributor for more details.

NOTE: Track/race specification dash functions may differ; contact Radical for more details.
GULLWING DOOR OPERATION
The distinctive 'gullwing' doors of the Radical RXC are self-supported by gas struts for ease of opening/closing. To open either door from the outside, press in the recessed door release button to the rear of the door whilst also gently pushing down on the door edge. The door will be released, guide the door as it opens skyward until the gas struts reach their limit. Pull down gently on the door to close until a clear audible ‘click’ is heard as the double catches engage to secure. To open from the inside pull on the red interior door release and gently push the door skyward.

Doors should be left down and locked shut when the car is not in use. Do not open the doors whilst the vehicle is in motion.

STEERING WHEEL REMOVAL/REPLACEMENT
The steering wheel is removed by pulling the gold sprung steering wheel collar towards the driver, the wheel will then detach from the column. Uncrew the steering wheel-to-dash electrical connector in a counter-clockwise direction to detach from the dashboard and remove completely. Remove carefully to ensure the connector does not get damaged. To reattach the wheel, reverse procedure for the electrical connector, ensuring electrical pins line up. Push the steering wheel firmly back onto the column as far as possible, lining up the locating spline with the steering wheel collar. An audible ‘click’ will be heard when the collar locks onto the column.

STEERING COLUMN LOCK
The steering column lock is supplied with two keys; push the key into the barrel and turn the key clockwise; past the first stage of resistance unlocks the steering column to allow the steering wheel to be turned, past the second stage of resistance switches on the vehicle ignition.

STEERING COLUMN RAKE ADJUSTMENT
The RXC is equipped with a steering column adjustable for rake height. To adjust, release the over-centre lock lever situated under the column and raise/lower to suit. Push the lever back down to secure the column.
ELECTRONIC IMMOBILISER/DOOR LOCK  
(Road car only)
The Radical RXC is fitted with an electronic engine immobiliser, which is a remote button key fob. The immobiliser will deactivate if the key fob is pressed; A red flashing light in the centre of the dash will flash orange when the ignition is switched off and the key removed, to show that the immobiliser is active. A green flashing light will flash on the first press of the key fob. A steady green light will indicate that the immobiliser is not active and that the car can be started.

Ensure the keys are always removed from the ignition barrel when leaving the vehicle, to prevent accidental locking of the doors.

ELECTRICAL MASTER SWITCH
An electrical master switch is installed on the dashboard passenger side, as an additional electrical cutoff in the event of an accident. This should also be turned off when the car is not in use. There is a light on the button to indicate when switched on. A buzzer will also indicate the master switch has been left on.

SEAT ADJUSTMENT
The driver and passenger bucket seats can be adjusted forward and backwards by lifting the lever situated underneath the seat towards the roof and sliding the seat forward/back. The seat back angle is fixed.

PEDAL ADJUSTMENT
The position of the throttle, brake and clutch pedals can be adjusted by your local Radical distributor. They will be setup for the first owner as part of the Distributor-Customer Handover process. Ask your local Radical distributor for more details.

HARNESS BUCKLE
The Radical RXC is fitted with four-point safety harnesses. To secure the harnesses, place the left-hand buckle into your lap, and insert the right-hand lap pin first. Bring both shoulder straps over your chest and insert pins into top of buckle. To tighten, pull on the loose ends of the straps. To loosen, twist strap metal loops through 90 degrees to release loose ends of straps.
USE OF HEAD & NECK RERAINT SYSTEMS
Radical recommends the use of racing-specification head & neck restraint systems when driving on-track. It has been proven that these devices reduce the likelihood and severity of head and/or neck injuries in the event of an accident. Such devices should be worn, and the safety harnesses adjusted, to ensure that the harness runs over the securing collar plates of the device.
Driving your RXC

STARTING THE ENGINE
Press the electrical master to switch on. Then turn the steering column key clockwise, unlocking the steering column and illuminating the dashboard lights.

Upon turning on the ignition, a buzzing noise may be heard from the rear bodywork; this is the paddleshift compressor system charging and is normal. From time to time in traffic and on the road this will activate to charge the paddleshift system.

**With the engine cold or warm:** With the car in neutral, turn on the ignition key, push start button until the engine fires. There is no need to press the throttle.

**Do not** depress the clutch when starting the vehicle.

MOVING OFF
The Radical RXC is fitted with a seven-speed steering wheel-mounted paddle-shift system. It is possible to flatshift when you are changing up the gearbox and to have clutchless downchanges. You will need to use the clutch to engage first gear, to pull away from stationary and when stopping the car. To select first gear, depress the clutch and pull the right-hand paddle, release the handbrake and the clutch gently to pull away.
Once you are on the road/track and up to speed, then it is just a matter of accelerating and pulling the right-hand paddle.

A very slight delay will be felt as the engine ignition is cut and the system selects the next gear.

**CHANGING TO A LOWER GEAR**
When changing down the gearbox, simply brake where you need to and operate the left-hand paddle. The Radical RXC has a throttle autoblipper function fitted as standard, so the system will blip the throttle for you and select the gear. When changing down from second to first, it is recommended to use the clutch.

**STOPPING**
Neutral can only be selected from first gear and when the car is stationary change all the way down to first gear and pull the left-hand paddle with the clutch depressed.

**NOTE:** It is recommended that gearchanges are not made while experiencing wheelspin, as this can damage the gearbox. Select reverse only when stationary.

**AFTER DRIVING**
Following a prolonged drive on the road and always after using your RXC on-track, allow the engine to idle for approximately 5 minutes, so that the engine can cool down whilst being lubricated. This will help ensure the long-life and continuing reliability of your car, including the advanced twin turbochargers fitted to the 3.5-litre RXC turbo variant.
SMOOTH DRIVING
This is the art to getting the best out of the car and the available grip. It makes the car easier to control at higher speeds and more predictable through all speeds, utilising better control of weight transfer and aerodynamic grip, as well as mechanical grip and maximising the grip that the tyre has to offer.

The inputs that will make this achievable are:
1. steering input,
2. braking input,
3. throttle input,
4. gear changes.

STEERING INPUT
Avoid being aggressive; the car should be eased into and out of corners. Using large amounts of lock initially or at any point through a corner will unbalance the car and increase the chance of losing control. In most corners the initial (braking) phase is when the majority of the grip is available to you, but the largest demand on the grip of your tyres occurs between turn in and the apex. It is important not to place additional demands on the tyres by accelerating or braking hard. Although you can retain a constant speed, the important factor is that the car is in a neutral state until after the apex.

Placing additional demands on the tyre will increase the chances of losing control. It is important to get the majority of your steering done before applying throttle. This is even more important in low-grip conditions such as in the wet.
BRAKING INPUT
It is important to remember that the brakes on the Radical, although exceptionally good, are not like a family saloon. They are not servo-assisted and there is no ABS. It is also important to remember that the brakes are the most effective way of slowing the car, not the gears or engine. Braking, where possible, should be done in a straight line with steering input being minimal when the heaviest braking occurs. When braking for a corner, the initial brake pressure should be hard. The closer you come to the corner and as steering input increases, pressure on the brake pedal should start to be released.

If you have large amounts of steering lock and brake pressure, the end result may be that you and the car will not be going in the direction that you expect.

THROTTLE INPUT
The throttle shouldn’t be treated as a switch and should only be applied once the majority of your steering has been completed. Again, applying large amounts of throttle and steering lock, may result in you and the car pointing in a direction other than intended. Throttle input should be as with all other inputs, one fluid movement. This may help aid traction and control over the car.

GEAR CHANGES
Downward gear changes should always be done slowing before the corner. This will mean that the car is settled as you enter the corner and ready for you to apply the steering and throttle. Gear changes should also not be rushed; again, if they are this may upset the balance of the car.

On up changes, the only time this may affect the balance of the car is when needing to change up a gear mid-corner. Ideally this should be avoided, or if it is required, sometimes short shifting between corners into the next gear will help. Ensure you have sufficiently slowed the car and selected the optimum gear before steering towards the apex.
Maintenance

Engine bay
User maintenance
Jacking and towing
Fusebox access
1. Engine coolant swirl pot
2. Engine oil dry sump tank filler cap
3. Air filter (inside housing)
4. Rear damper adjustment
5. Fuel pressure regulator

1. Engine coolant swirl pot
2. Engine oil dry sump tank filler cap
3. Air filter (inside housing)
4. Rear damper adjustment
5. Chargecooling system swirl pot
6. Fuel pressure regulator

1. Engine coolant swirl pot
2. Engine oil dry sump tank filler cap
3. Air filter (inside housing)
4. Rear damper adjustment
5. Fuel pressure regulator
**User maintenance**

Your Radical RXC should provide many years of enjoyable performance motoring. Below are instructions on general care and everyday maintenance tasks; Radical recommends that all other maintenance, upgrade or repair work should be carried out either at Radical’s Peterborough factory or by a Radical-approved regional distributor.

### RECOMMENDED FUEL, LUBRICANTS, FLUIDS

**FUEL:** Minimum 98RON octane super unleaded petrol. Radical recommends the use of Shell V-Power or a similar performance-orientated super unleaded for the best performance and economy.

**ENGINE OIL:** 5W/30 Fully synthetic, recommended quantity 7.5 litres

**GEARBOX OIL:** Neo Synthetics 75W/90 High Performance Synthetic Gear Oil, recommended quantity 3.7 litres (oil cooler included)

**ENGINE COOLANT MIX:** 50/50 mix water/Tetrosyl Bluecol 2 Year Anti Freeze, recommended quantity 13 litres

**AIR CHARGE COOLANT MIX (Turbo only):** 50/50 mix water/Tetrosyl Bluecol 2 Year Anti Freeze, recommended quantity 10.5 litres

**BRAKE/CLUTCH FLUID:** AP Racing 600 Racing Brake Fluid

Lubricants, coolant and brake/clutch fluid are available from [www.radicalonline.co.uk](http://www.radicalonline.co.uk)

### TYRE CARE AND MAINTENANCE

**ROAD:**
- Front tyre size: 215/45 R17 91Y
- Rear tyre size: 245/45 R17 95Y
- Recommended Pressure: 32psi Cold

**TRACKDAY:**
- Front tyre size: 215/45 R17
- Rear tyre size: 255/40 R17
- Recommended Pressure: 26psi Cold

**RACE:**
- Front tyre size: 235/620 R17
- Rear tyre size: 290/645 R17
- Recommended Pressure: 24psi Cold

We recommend the use of Dunlop Sport Maxx RT or Dunlop Direzza road-legal trackday tyres for road use, or Dunlop SP Sport slick and wet racing tyres **FOR TRACK USE ONLY**.

Only fit alternative tyres with the same size, speed and load rating as those specified above.
ENGINE OIL CHECKING AND REFILLING
Your RXC is fitted with a dry-sump lubrication system. When the car has been switched off for a period of time, the oil will drain back into the engine. Therefore, any oil level checks must be carried out after a short period of running to ensure an accurate reading.

To check the oil level, start the engine and idle for approximately one minute, ensuring that the low oil pressure warning light extinguishes.

After one minute, remove the oil catch tank filler cap and insert the dipstick provided. The level should be above the minimum mark on the dipstick when oil is cold and between the two marks when the oil is warm (approx. 60°C). If it is below this level, add oil to bring up to the correct level.

DO NOT fill to the top mark when cold as oil expands as it warms and the system will overflow. For quantities, please refer to the recommended lubricants page.

GEARBOX OIL CHECKING AND REFILLING
For quantities, please refer to the recommended lubricants page.

NOTE: although the gearbox may be empty, oil will still sit within the oil cooler and pipework. Ensure that the gearbox is drained completely from the gearbox bottom bung and refilled with new oil, rather than attempting to ‘top-up’ the oil level in the gearbox.

BODYWORK QUICK-RELEASE CATCHES
The composite bodywork is secured with a number of quick-release catches. From time-to-time, inspect the catches to ensure that the locking springs are still tight and effective.
AIR FILTER ELEMENT CLEANING
Operation in exceptionally dusty and dry conditions may require more regular inspection and cleaning of the air filter element. The panel-type air filter can be accessed by removing the screws on the back of the air filter housing to expose the filter, before separation from the cold air intake pipe.

Liberally spray air filter cleaner onto both sides of filter and allow to soak for 10 minutes to loosen the dirt. Do not allow cleaner to dry on air filter. Rinse off air filter with cool low-pressure water applied to the clean side out in order to flush the dirt out of the filter. Continue to rinse the filter until all traces of cleaner are gone.

After rinsing, gently shake off excess water and only allow filter to dry naturally. Then spray air filter oil evenly along the crown of each pleat holding nozzle about 3” away. Allow oil to wick for 20 minutes before refitment.

BODYWORK CLEANING AND CARE
To keep your Radical looking at its best, any fibreglass or carbon fibre parts can be quickly and effectively cleaned with a non-abrasive general car polish, whilst all chassis, suspension and panel fixings can be kept looking new and corrosion-free by wiping down with WD-40 or similar water-displacement spray.

REPLACEMENT OF HEADLIGHT BULBS
To replace bulbs in the main and dipped beam headlights, first detach the wiring loom from the back of the light unit and then release the wire retaining clip on the back of the unit. The bulb will now be loose.

DIPPED AND MAIN BEAM BULBS: Osram 64210 55W single coil headlight bulb.
INTERIOR CLEANING AND CARE
Carpets, leather and cloth trim can be cleaned with a domestic vacuum cleaner, or a soft cloth and lukewarm soapy water. Alcantara should only be cleaned using proprietary Alcantara cleaning products.

LIFE ECU CUSTOMER SOFTWARE
For some engine diagnostics, you may be asked to download engine ECU information using LIFE ECU software. This can be downloaded from: www.radicalperformanceengines.com/downloads/

DAMPER SETTINGS AND ADJUSTMENT
Front and rear dampers are adjusted by turning the black knurled collar. This is on the top for the front dampers and at the base of the rear dampers. Screw towards the damper body to increase damper stiffness, unscrew away from damper body to reduce damper stiffness.

Recommended settings are:
Road setting: 25 turns from full-soft
Track setting: 35 turns from full-soft

DIPPED BEAM HANDING LEFT/RIGHT
For continental travelling, the beam throw of the dipped beam headlights can be adjusted to the left-right by loosening the three adjustment screws on the back of the light unit, removing the top screw (next to L/G or R/D markings), rotate the lamp housing and replace to suit beam throw.

When driving on the left:
When driving on the right:
Jacking and towing

Your Radical RXC should only be jacked up at the points shown in the pictures above.

These points are:

**Front:** Centrally under the nose, 100mm ahead of the front axleline (where the chassis meets front crash structure).

**Rear:** On the rear, central tubular jacking point that projects below the rear diffuser. This is sited directly below the rear drive unit.

**DO NOT ATTEMPT TO JACK UP THE VEHICLE AT ANY OTHER POINT.**
You risk damage to bodywork or other important components.
WHEELS
Central wheel nuts are threaded clockwise on the right-hand side of the car (blue nuts), and counter-clockwise on the left-hand side (red nuts). These can be loosened/tightened using the central wheel nut socket supplied by Radical Sportscars, and secured after torque-tightening by the wire safety clips provided.

Central wheel nuts should be torqued to 260ft/lbs.

TOWING
Your RXC can be towed a short distance by the front towing eye situated under the nose (between brake duct inlets).

It is not recommended to use the towing eye for long-distance/on-road towing; the car should be recovered on a transporter or trailer with all four wheels off the ground.

Radical can supply tie down points, secured in the wheel centres, for safe and secure long-distance transportation.

DO NOT ATTEMPT TO START AN RXC BY BUMP OR TOW-STARTING.
Doing so will damage the catalytic converter and emissions system and may invalidate your warranty.

WARNING!
Removal of catalytic convertors may damage the engine and invalidate warranty. Contact Radical Sportscars for advice.

BATTERY LOCATION
The battery is located in the passenger footwell. For access first remove the vehicle nose, then unscrew the access panel above the footwell/pedal box. The battery is secured by a black cover in the centre of the footwell area.
FUSEBOX ACCESS
The RXC’s fusebox and relay assembly is accessible by removing the dashboard top pod to reveal. Removing the rubber blanking plugs below the central air vents allows access to two 5mm hexagonal drive securing bolts. By unscrewing these the top pod can be lifted clear, taking care not to disturb the LCD dashboard connections.
## Specification

<table>
<thead>
<tr>
<th>ENGINE</th>
<th>3.7 Cyclone V6</th>
<th>3.5 EcoBoost Twin-Turbo V6</th>
<th>3.0 RPY V8</th>
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<tbody>
<tr>
<td>Installation:</td>
<td>Mid-engined, longitudinal</td>
<td>Mid-engined, longitudinal</td>
<td>Mid-engined, longitudinal</td>
</tr>
<tr>
<td>Type:</td>
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<td>6 cyls, V formation 3500cc, twin-turbocharged petrol</td>
<td>8 cyls, V formation 3000cc, petrol</td>
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<td>Aluminium head and block</td>
<td>Aluminium head and block</td>
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<tr>
<td>Bore/stroke:</td>
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<td>92.5mm X 86.7mm</td>
<td>81.0mm X 71.5mm</td>
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<td>Compression ratio:</td>
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<td>Valve gear:</td>
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<td>4 per cyl, chain-driven</td>
<td>4 per cyl, chain-driven</td>
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<tr>
<td>Power:</td>
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<td>454bhp @ 6000rpm</td>
<td>480bhp @ 7500rpm</td>
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<tr>
<td>Torque:</td>
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<tr>
<td>Red line:</td>
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<td>6750rpm</td>
<td>10500rpm</td>
</tr>
</tbody>
</table>

## TRANSMISSION

| Type:                      | ME, rear-wheel drive                                 | ME, rear-wheel drive                                 | ME, rear-wheel drive                                 |
| Gearbox:                   | 7-speed manual sequential transaxle, LSD            | 7-speed manual sequential transaxle, LSD            | 7-speed manual sequential transaxle, LSD            |
### CHASSIS & BODY

**Construction:** Steel spaceframe/composite  
**Weight:** 955kg (V6), 1050kg (Turbo), 925kg (V8)  
**Wheels:**  
Front: 8Jx17in. alloy Road, 9.5J x17in. alloy Race  
Rear: 10Jx17in. alloy Road, 11.5J x17in. alloy Race  
**Tyres:**  
Front: 215/45 R17 Road  
Rear: 245/45 R17 Road

### DIMENSIONS

<p>| | |</p>
<table>
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<tr>
<th></th>
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<tr>
<td><strong>Length:</strong></td>
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<td><strong>Width:</strong></td>
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<td><strong>Height:</strong></td>
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<td><strong>Front track:</strong></td>
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<tr>
<td><strong>Rear track:</strong></td>
<td>1620mm</td>
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</tbody>
</table>

### STEERING

**Type:** Electrically power-assisted rack & pinion  
**Turns lock to lock:** 1.6

### SUSPENSION

Front/Rear: Inboard pushrod double wishbone, coil springs, Intrax adjustable dampers

### BRAKES

**Front:** 350mm floating ventilated discs, six-pot  
**Rear:** 310mm floating ventilated discs