

### 2016 ELECTRONIC UPDATES

SEAT Sport is offering three different “KIT” for upgrade the 2014/15 existing SEAT Leon Cup Racer cars to 2016 specifications.

On the following information you will find which car, what, how and when proceed for the upgrade tasks.



*\*information about “2016 KIT” already sent:*

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#### THE KIT (Update 2015 cars)

<p style="text-align: center; font-weight: bold;">KIT 1</p> <p><b>COOLING PACKAGE</b> Air ducts, Radiator, Front beam, intercooler.</p> <p><b>AERO PACKAGE</b> Front and rear bumper, Front fenders, Side sills, Rear fenders, Front splitter.</p> <p><b>EXHAUST TWIN END SHOCK ABSORBERS FRONT BRAKE DISK</b></p> <p style="text-align: right; font-weight: bold;">Price 10.000€</p>	<p style="text-align: center; font-weight: bold;">KIT 2</p> <p><b>KIT 1</b></p> <p><b>FUEL TANK FT3</b> Fuel tank complete, Fuel line, Brackets, wiring loom, PWM fuel pump, ECU mapping (reprogrammed)</p> <p style="text-align: right; font-weight: bold;">Price 15.000€</p>	<p style="text-align: center; font-weight: bold;">KIT 3(*)</p> <p><b>SADEV GEARBOX</b> Gearbox, Brackets, Drive shafts, intermediate axle, Fly wheel, clutch.</p> <p><b>SHIFTING SYSTEM CLUTCH PEDAL ECU &amp; WIRING RADICAL CALIPERS</b></p> <p style="text-align: right; font-weight: bold;">Price 25.000€</p>
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(\*) KIT 1 & 2 COULD BE COMBINED WITH KIT 3

#### Which cars have to do it:

Table 1: Is shown **which** car electronic control unit that needs to be upgraded.

Cars upgrade	ECU	DSG gearbox	Fuse box	Steering wheel module	Dashboard protocol
KIT 1		Recommended			
KIT 2: DSG + FT3	<b>Compulsory</b>	Recommended		Recommended	Recommended
KIT 3: Seq. gbx	<b>Compulsory</b>		<b>Compulsory</b>	<b>Compulsory</b>	<b>Compulsory</b>
2015 LCR cars without new KIT		Recommended			

# SEAT LEON CUP RACER 2016

## TECHNICAL NOTE 04/2016

### What is new:

Table 2: The following table show in **what** consists the SW or FW changes.

What is new?	ECU	DSG gearbox	Fuse box	Steering wheel module	Dashboard protocol
<b>KIT 1</b>		Improves: 1) Shifting time 2)LCS process			
<b>KIT 2: DSG + FT3</b>	Enables: 1) use of the new fuel pump & pump control module	Improves: 1) Shifting time 2)LCS process		Enables: 1) Speed limiter active in one push 2) Reset function	Enables: 1) New fuel tank channels (for fuel level display)
<b>KIT 3: Seq. gbx</b>	Enables: 1) new fuel pump and pump control module use 2) sequential gbx 3) virtual safety car		Enables: Share channels with the Scrineering logger (TCR)	Enables: 1) Speed limiter active in one push 2) Virtual safety car function (VSC) 3) Others functionalities explained on the 2016 TCR user manual.	Enables: Show and log the sequential gear box channels. (gear, oil temp, actuator, blip, etc)
<b>2015 LCR without new KIT</b>		Improves: 1) Shifting time 2)LCS process			

### Who can do it:

Table 3: **Who** and through **which tool** can be done the upgrade.

Who can do it?	ECU	DSG gearbox	Fuse box	Steering Wheel Module	Dashboard protocol
<b>KIT 1</b>		Customer with Diag.LE			
<b>KIT 2: DSG + FT3</b>	Customer with Diag.LE			<b>SEAT Sport technicians</b>	<b>(*)</b> Customer with RaceStudio3
<b>KIT 3: Seq. gbx</b>	<b>(**) SEAT Sport Technicians only in SSp facilities</b>		<b>SEAT Sport technicians</b>	<b>SEAT Sport technicians</b>	<b>(*)</b> Customer with RaceStudio3
<b>2015 LCR without new KIT</b>		Customer with Diag.LE			

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If you foresee that you will meet with SEAT Sport staff in any motorsport meeting all updates can be made there, except the case marked with **(\*\*)** in the table 3.

**(\*)**: The more easy way is to contact to the contact with SEAT Sport staff to obtain the right MXG protocol, (can be send by e-mail). Below is the staff person contact.

**(\*\*)**: The “Kit 3” **ONLY IN SEAT SPORT FACILITIES** CAN BE UPDATED (not in circuits). Due this special remark, we recommend to send **all parts to upgrade** on the “KIT 3” to SEAT Sport at the same time.

### How to proceed to do it:

#### Case 1: Sending parts to update in SSp facilities:

- Find your car configuration on the table (1) above.
- Fulfil the “customer form” bellow (one per car).
- Remember to introduce the “customer form” signed into the parts box and send a copy by e-mail too. (below the contact address)

#### Case 2: Yourself:

- Contact to the technical SSp staff (address below) to receive the right dashboard protocol and any other technical questions.
- Upgrade your DiagRA-LE software on the RA Consulting web to refresh the documents version to be loaded.

*\*Remember that with the use of the diagnosis tool DiagRA-LE customers can update some car devices and operate with the car diagnosis.*

Customer that still doesn't have the program can find the “purchase order form” and installation procedure on the SEAT Sport web address:

[http://www.seat-sport.com/es/wp\\_content/uploads/2015/05/Order\\_Form\\_DiagRA.pdf](http://www.seat-sport.com/es/wp_content/uploads/2015/05/Order_Form_DiagRA.pdf)

For technical issues you must contact with:

**Aitor Lago Silvestre**  
Technical Department  
Phone: +34 937 733 403  
E-mail: [extern.Aitor.Lago@seat.es](mailto:extern.Aitor.Lago@seat.es)  
SEAT Sport, S.A.

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## TECHNICAL NOTE 04/2016

A RELLENAR POR EL CLIENTE / TO BE FILLED BY THE CUSTOMER				
Nombre cliente / Customer name		N.I.F.		Número de chasis/ Chassis number
Dirección / Address				Teléfono/ Telephone
				Fax
Trabajo a realizar / Work to do				
Reparación específica / Specific repair		Actualización 2016l/ 2016 Update		X
Comentarios /Comments				
Pieza/ Part	Número pieza / Part number	Cantidad / Quantity	Comentarios específicos / Specific comments	
ECU				
*DSG				
SWM				
Dashboard				
<p><b>Nota: Esta hoja deberá adjuntarse junto a las piezas enviadas.</b></p> <p><b>Note: This paper should be attached to the parts shipped.</b></p>				
A RELLENAR POR ALMACÉN / TO BE FILLED BY WAREHOUSE				
Fecha de recepción				
Número de Expedición		Fecha Expedición		