



Range Rover Evoque (L538) Vehicle Handling Guide

Supplement to the JLR Transport Quality Manual (TQM)

L538 Handling Guide

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Section 1 – Vehicle Handover

Carrier / Dealer Handover Checks



The following Quality checks are required at vehicle handover...

- Check vin on Manifest, D42 Label (on windscreen) and Vin Plate matches
- Inspect vehicle and Check for damage (as per TQM chapter 7 & 8)
- Check vehicle protection is in place (see page 5)
- Check key stowage (x 2 Key fobs in Drivers' door pocket)
- Check wing mirrors are folded inboard
- Check windows and sunroof are closed

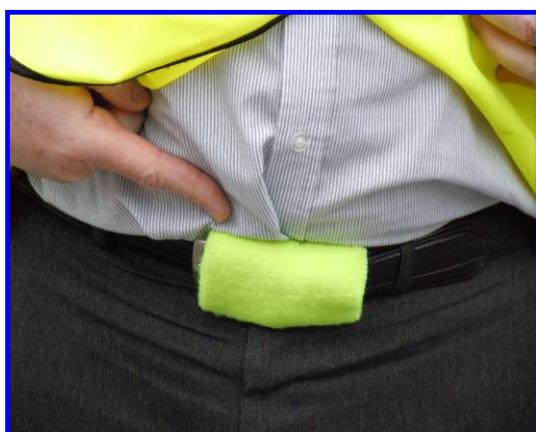
Vehicle Handover

Personal Protection Equipment (PPE) Checks



Check Correct Personal Protection Equipment is worn

- Personnel must wear clean working clothes at all times (no oil/grease stains)
- No buttons, exposed zips or belt buckles
- Wearing safety boots or shoes closed around the foot is obligatory. The shoes/boots must prevent from slipping
- Rings and other jewellery are not permitted, unless properly covered
- Do not carry in pockets sharp objects (pens, tools, etc...) that could accidentally damage the vehicles
- Working gloves must be worn when working on the truck, the wagon, the ship or the compound. However, they must be removed before entering the vehicle
- Wearing high visibility jackets or clothes with high visibility elements is compulsory in compounds. The use of safety helmets is subject to local laws, regulations or guidelines
- If safety helmets are used for operations, they must be removed before entering the vehicle.

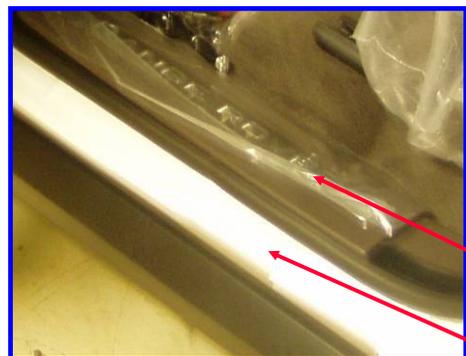


Vehicle Protection



Check vehicle has ALL protection in place at inspection/handover collection once vehicle has been inspected for any damage please the following protection is in place:

- Centre Console
- Driver seat protection
- Tread plate protection
- Sill protection
- Drivers door protection Interior
- Drivers door protection Exterior
- Steering wheel protection
- Carpet protection



Section 2 – Driver Controls



L538 Starting Vehicle

Starting

Press hazard switch.

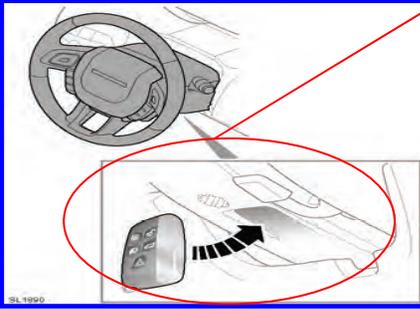
Once the hazard switch has been pressed the battery is active for approx 20seconds. During this time the vehicle can be started as follows:

With brake pedal depressed, press and release the START STOP button.

Press again to stop the engine.

Should the vehicle not start, repeat the above process.

NB: (If message on instrument panel reads > smart key not found refer to handbook) Vehicle may not have sensed the smart key signal, locate/move the smart key under steering wheel housing. Refer to TQM Bulletin 6 to aid procedure



Data Owner: Chris Mcloughlin
GIS2 Record Type: Transient: Issue 1
Issue Date: April 1st 2011
Retention Period: 12
GIS1 item number: 35.05

Manual/Automatic Transmission 4 & 2WD



	AWD (All Wheel Drive)		FWD (Front Wheel Drive)	
	Manual	Automatic	Manual	Automatic
Petrol 2.0L GTDI (240 PS)	X	✓	X	X
Diesel 2.2L Low (150 PS)	✓	✓	✓	X
Diesel 2.2L High (190 PS)	✓	✓	X	X

Data Owner: Chris Mcloughlin

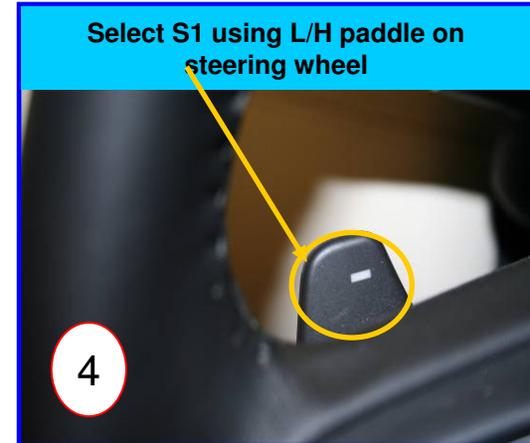
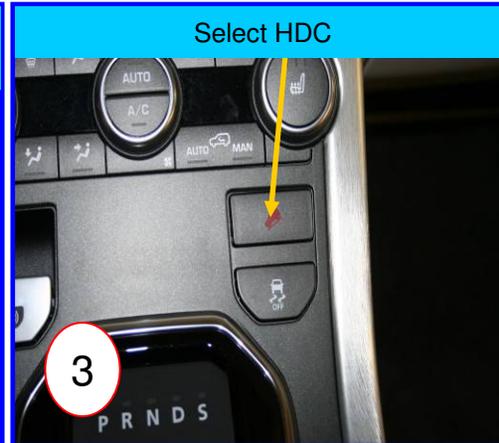
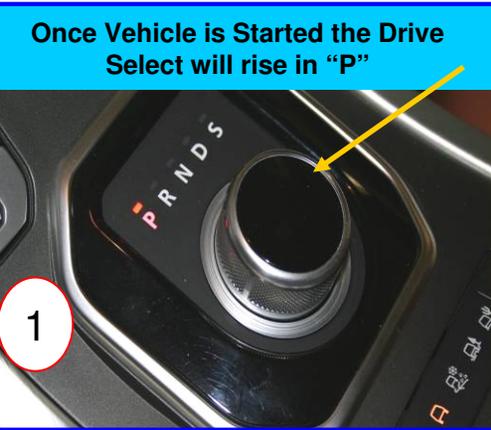
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Issue Date: April 1st 2011

Retention Period: 12

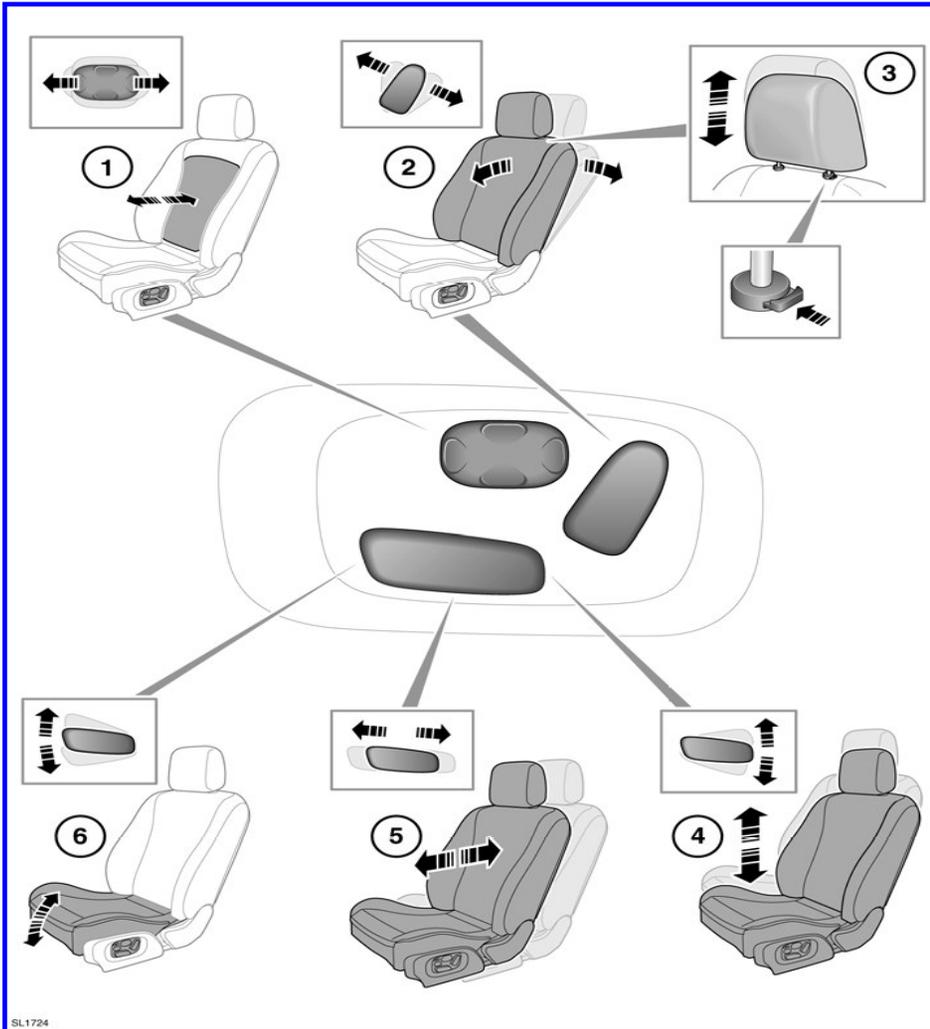
GIS1 item number: 35.05

Range Rover Evoque Loading Configuration (Automatic Transmission)



Manual Transmission

Seat Adjustment (Electric)



1. Lumbar support adjustment.
 2. Backrest adjustment.
 3. Head restraint adjustment.
 4. Height adjustment.
 5. Fore and aft adjustment.
 6. Tilt adjustment.
- To adjust the seats, the Smart Key must be in the vehicle and the ignition switched on.

Driver Controls

Dashboard Overview

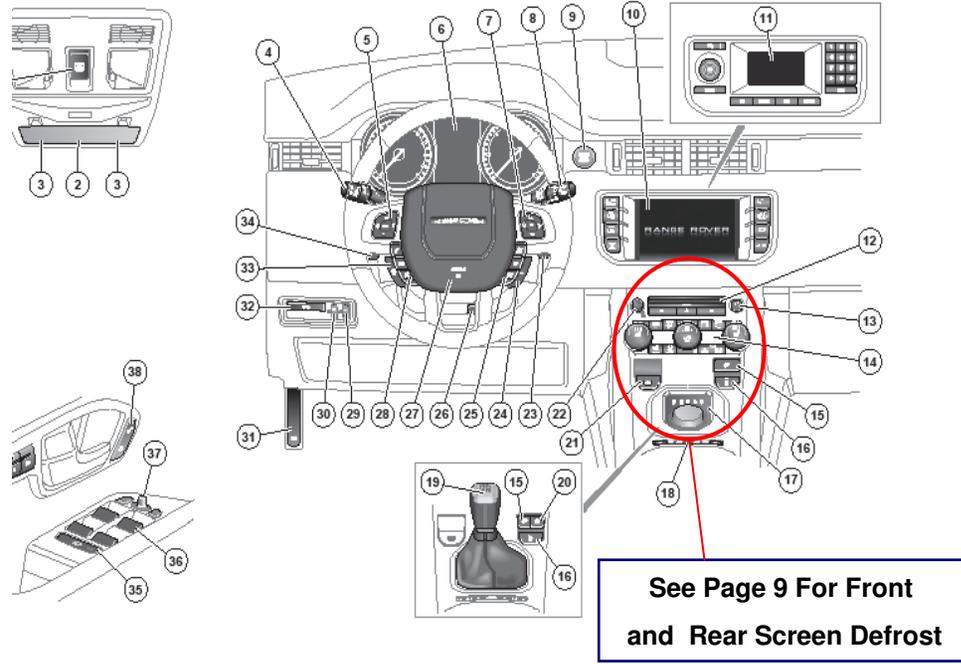


Some controls are optional and hence will not be present in all vehicles.
Vehicles will have limited functionality whilst in transport mode.

Controls overview

Controls overview CONTROLS

1. Roof blind switch.
2. Front interior courtesy lamp.
3. Front map/reading lamps.
4. Exterior lights/trip computer controls.
5. Audio system controls.
6. Instrument pack and message centre.
7. Instrument pack menu controls.
8. Wipers and washers controls.
9. START/STOP switch.
10. Touch screen display.
11. Multi function display.
12. Audio system controls.
13. Hazard warning lights switch.
14. Heater/Air conditioning controls.
15. Hill Descent Control (HDC) switch.
16. Dynamic Stability Control (DSC) switch.
17. Automatic transmission drive selector.
18. Terrain response controls.
19. Manual transmission gear lever.
20. Eco switch.
21. Electric parking brake.
22. Audio on/off/volume switch.
23. Up shift gear paddle.
24. Adaptive cruise control switch.
25. Cruise control switches.
26. Steering column adjustment lever.
27. Horn/Airbag.
28. Telephone and voice recognition switches.
29. Headlamp leveling control.
30. Instrument illumination dimmer control.
31. Bonnet release lever.
32. Tailgate release switch.
33. Heated steering wheel switch.
34. Downshift gear paddle.
35. Rear window isolator switch.
36. Window switches.
37. Mirror adjustment/power folding switches.
38. Central locking/unlocking switches.
39. Driving position memory switches.



Functions Inhibited In Transit Mode:

Passive entry / Passive Start

Heated glazing (except rear window)

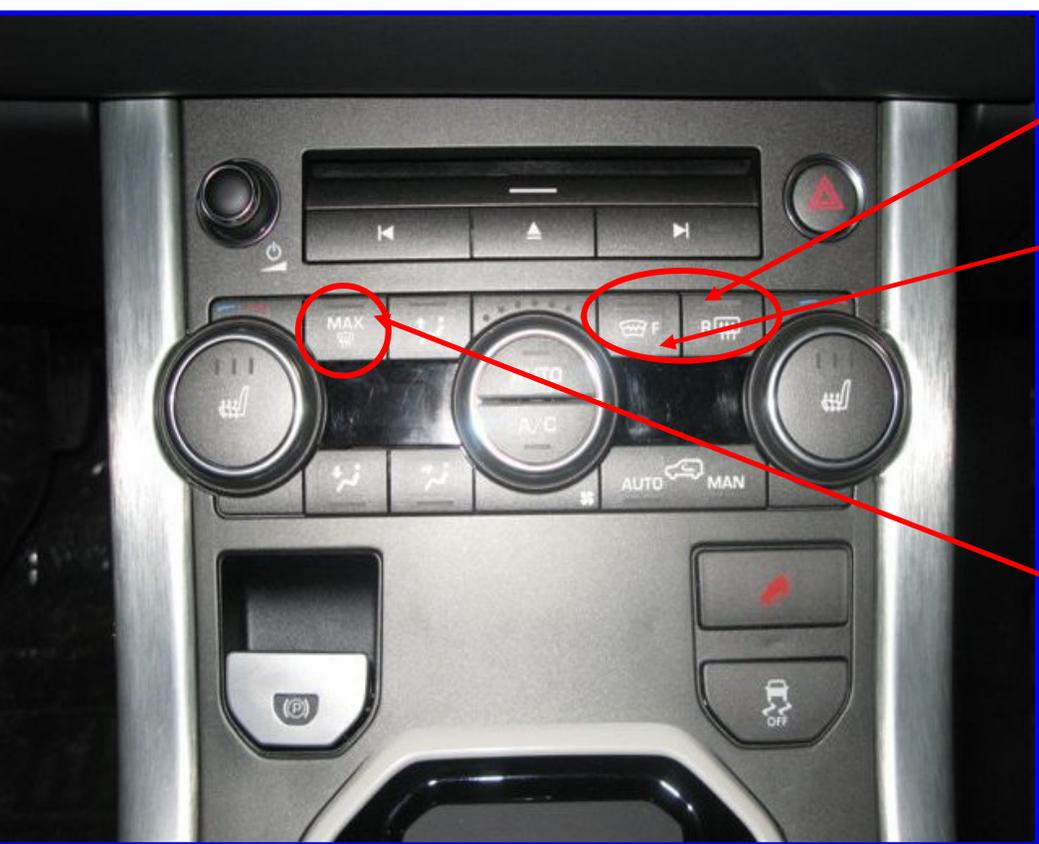
Heated Seats / Park Heat

Infotainment

Alarm functions

Driver Controls

Front and Rear Screen Defrost



Rear screen heater: Press to switch on/off.

Front screen heater: Press to switch on/off

(This function is optional, and inhibited when vehicle is in transit mode)

Max Defrost: Press to remove frost or heavy misting from the windscreen.

This setting activates the blowers, air-conditioning, front and rear screen heaters and prohibits recirculation, to achieve a rapid defrost

Driver Controls

Drive Selector (Automatic Gearbox)



Once vehicle is started, the Drive Selector will raise on the centre console. The Drive Selector can be operated using the below instructions

Gearshift interlock

The brake pedal must be depressed before the selector can be moved from the Park position. Maintain brake pressure until a gear is selected.

Select **P** before switching off the engine.

For fully automatic gear selection

Select **“D”** for forward gear changes

Select **“R”** for reverse.

NB: Vehicle inhibitor restricts vehicle speed to 35mph whilst in transit mode



Parking Brake Release

- 1 Switch the ignition on and wait 5 seconds.
- 2 Apply the foot brake and hold.
- 3 Lift the parking brake switch to apply.
- 4 Press the parking brake switch to release.



The red warning indicator in the instrument pack will illuminate when parking brake has been applied.

Releasing

- With the ignition on, apply the foot brake and press down on the parking brake lever.
- If the vehicle is stationary with the parking brake applied and either **Drive** or **Reverse** selected, pressing the accelerator will automatically release the parking brake.



Section 3 – Road Transport

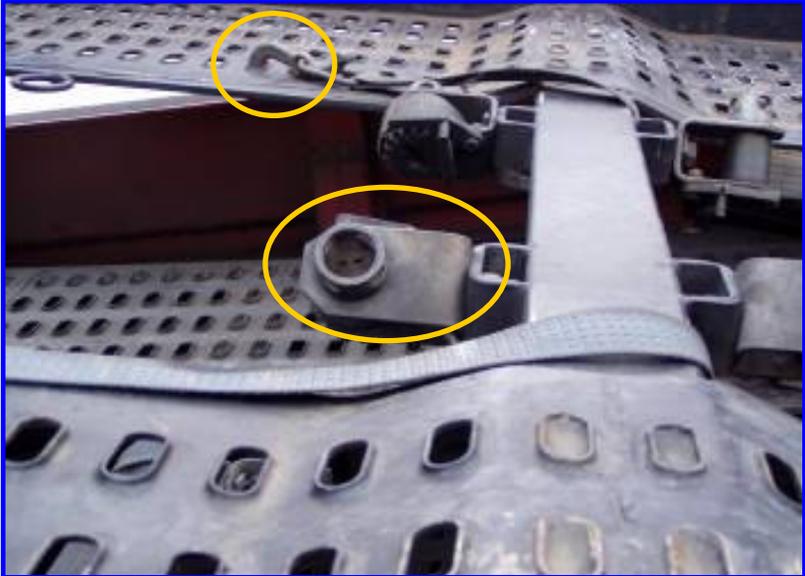
Loading Care Points



Ensure ramps and skids are fully extended and do not exceed 8 degrees.

Vehicle must be loaded / unloaded at crawl speed, in a slow and controlled manner (5mph max.)

Ensure decks of transporters are free from obstructions i.e. lashing straps, winches and hooks.



Road Transport Care Points



Care is required when loading through areas of transporters with restricted width.

Over-wheel lashing only, and chocks are used to secure vehicle in position.



Road Transport Care Points



Care required for under body clearances at break over points.

Care required whilst entering and exiting vehicles i.e. door contact on transporter beams and pillars.



Section 4 – Rail Transport

Train Equipment Care Points



Ensure ramp is at the correct set-up before loading vehicles. Ramp approach angle cannot not exceed 8 degrees.



Ensure crossover plates between wagons are level before loading.



Ensure decks are clear of obstructions and protective countermeasure i.e. rubber/foam upright protectors are in good condition. Chocks should be stowed away from the main deck.

Rail Transport

Train Loading Equipment Care Points



Vehicles must come to a stop before traversing up ramp at crawl speed, in a slow and controlled manner (5mph max.)

Care required over under body clearances at break over points.



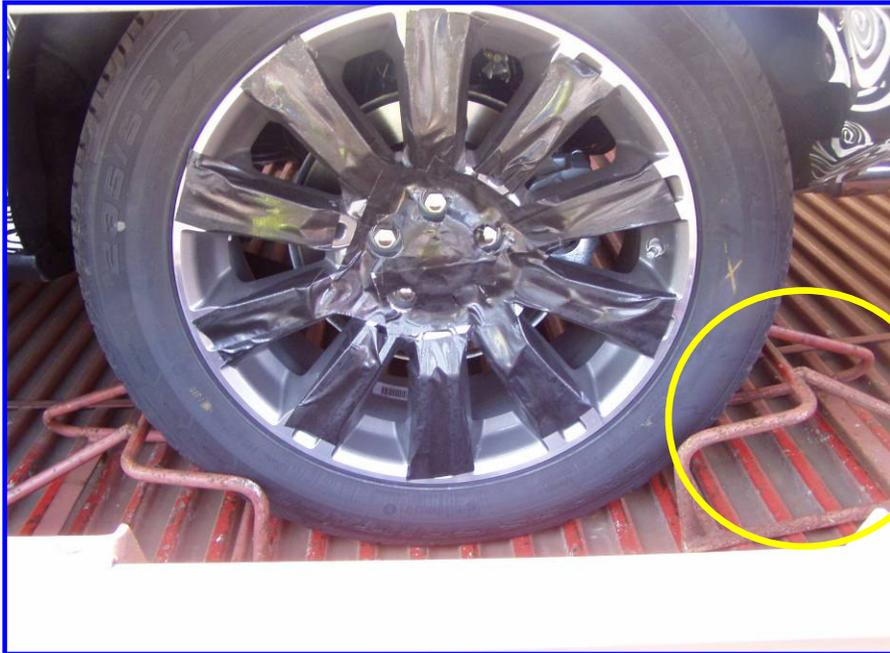
Rail Transport

Train Equipment Care Points



Vehicles are not to be parked adjacent to solid pillars and protective countermeasure i.e. rubber protectors are in good condition.

Care must be taken when entering and exiting the vehicle.



Ensure Vehicles are secured and chock wheels as per TQM Standards

Rail Transport

Train Equipment Care Points



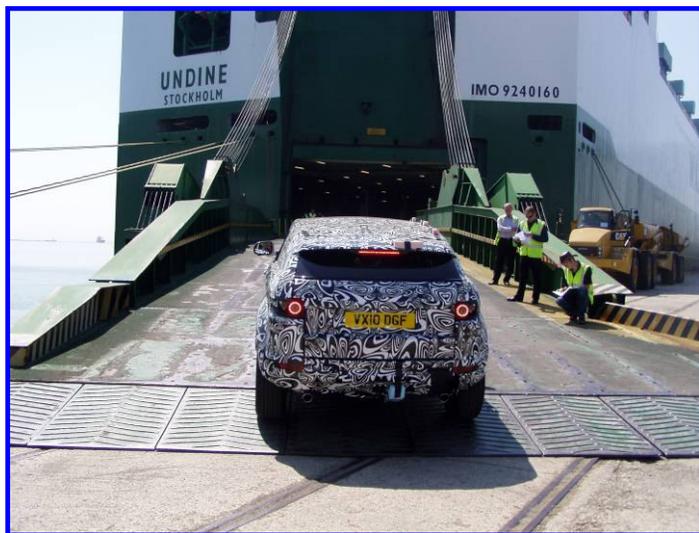
Care required when offloading vehicle from train and traversing down ramp.



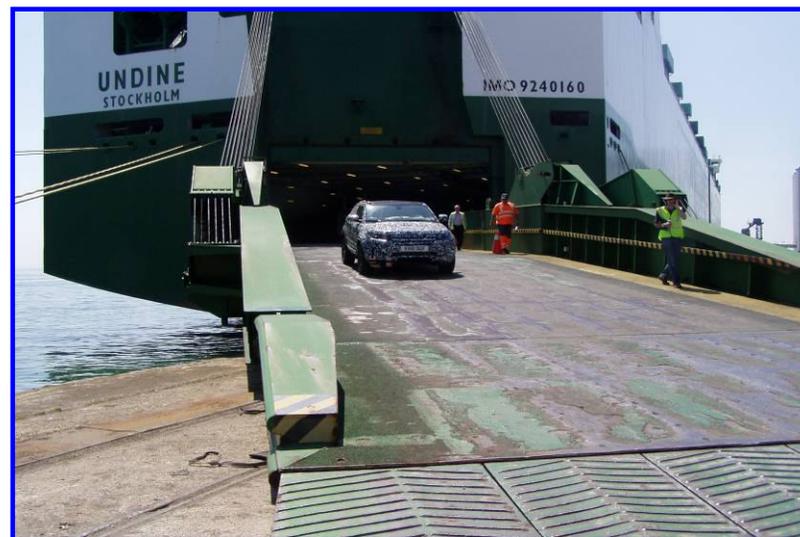
Ensure vehicle is unloaded at a slow controlled crawl speed (5mph max) to avoid bumper/underbody damage from front suspension movement.

Section 5 – Vessel Transport

Loading and Unloading



Care required when loading and unloading onto the vessel. Vehicle must be loaded / unloaded at crawl speed, in a slow and controlled manner (5mph max.)



Lashing – Stem to Stern Stowage



If L538 are stowed stem to stern, each vehicle should have **2 lashings** at the front and two at the back.



Care point exhaust may be **hot** gloves recommended when lashing in rear of vehicle





If stowed transversely or on a ramp, each vehicle should have **3 lashings** plus wheel chocks at the front and the back.

LASHING THROUGH ALLOY WHEELS IS NOT ALLOWED

Section 6 - Containerisation

Container Loading

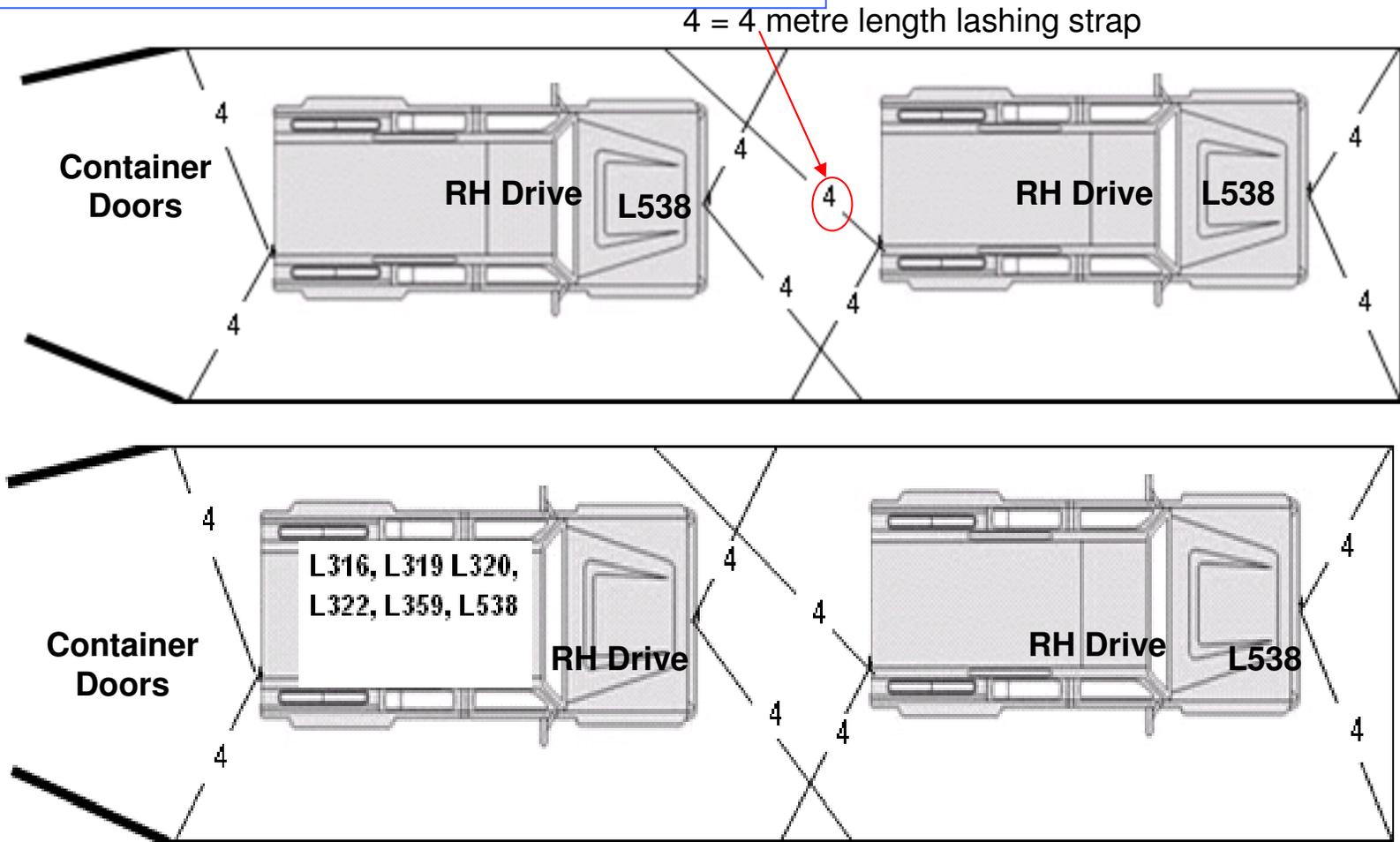


- Vehicles need to be loaded / unloaded in a controlled, slow manner (5mph max)
- Vehicles must be free of bird liming / contamination
- Vehicles to be loaded into position using 2 people. One driver and one marshal.
- Prior to exiting the vehicle all lashing in angles need to be checked for clearance, by the marshal (this is a quality risk especially for ETO Spec Vehicles)
- Loading configurations to be determined as per loading schematics on pages 23 & 24
- Vehicles to be lashed in and secured as per process detailed in this handling guide & TQM (Chapter 6)
- Once loaded into position Keys to be placed in an envelope and secured underneath drivers' windscreen wiper, this will permit access to vehicle upon delivery and prevent keys being locked in vehicles.
- Drivers' window must be left opened by 1 inch / 25mm for ventilation during transport.

Container Loading Planning



RH Drive Vehicles > LOADING SCHEMATICS



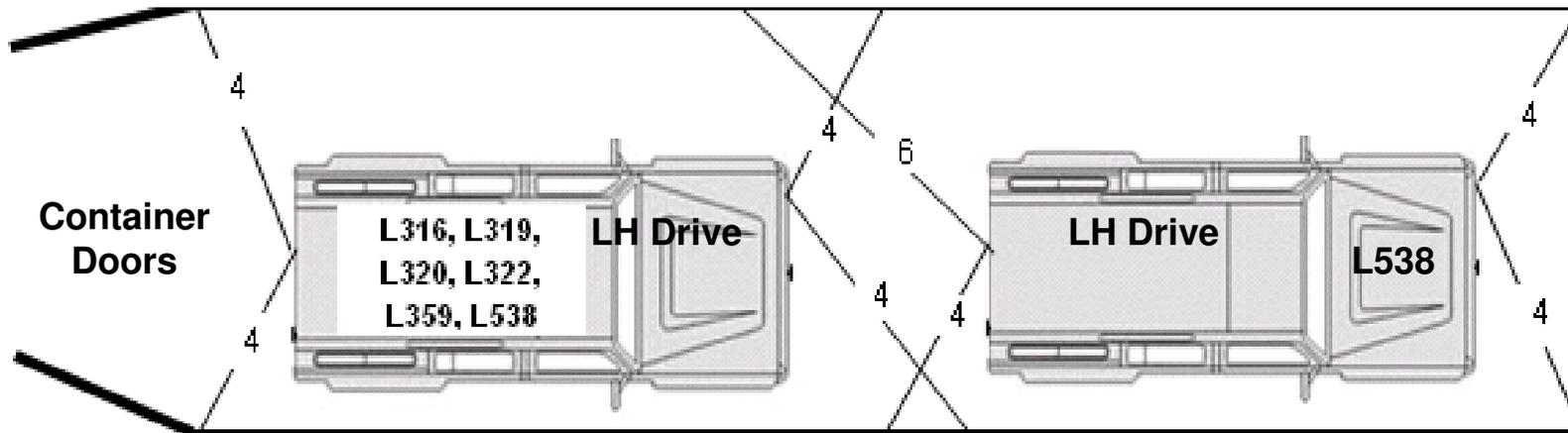
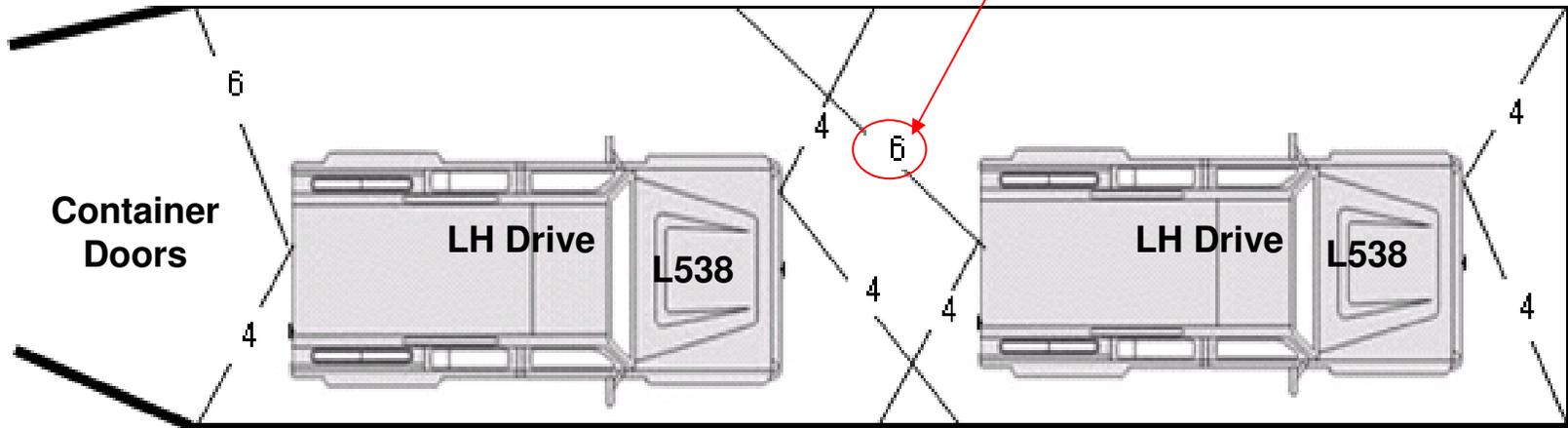
Data Owner: Chris Mcloughlin
GIS2 Record Type: Transient: Issue 1
Issue Date: April 1st 2011
Retention Period: 12
GIS1 item number: 35.05

Care point: An L538 Fitted with an ETO Body Styling Kit (BSK) must always be positioned into the shipping container first to establish loading position and length of strap required.

Container Loading Planning

LH Drive Vehicles > LOADING SCHEMATICS

6 = 6 metre length lashing strap



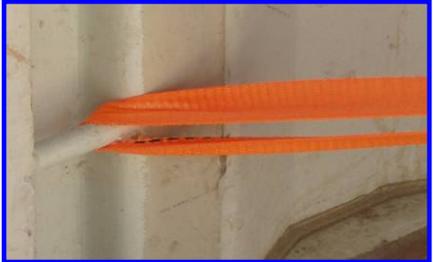
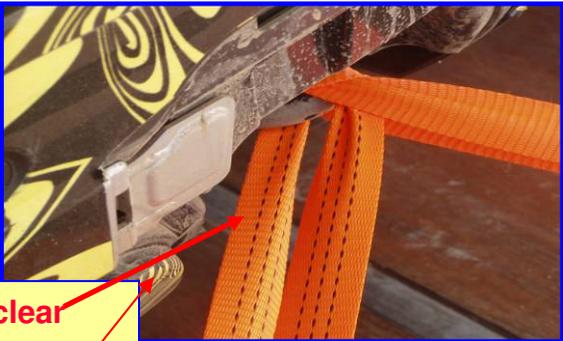
Care point: An L538 Fitted with an ETO Body Styling Kit (BSK) must always be positioned into the shipping container first to establish loading position and length of strap required.

Container Loading



Vehicles Must be loaded with a 2 man team (1 x marshal & 1 x driver), under the supervision and guidance of the loading Marshal

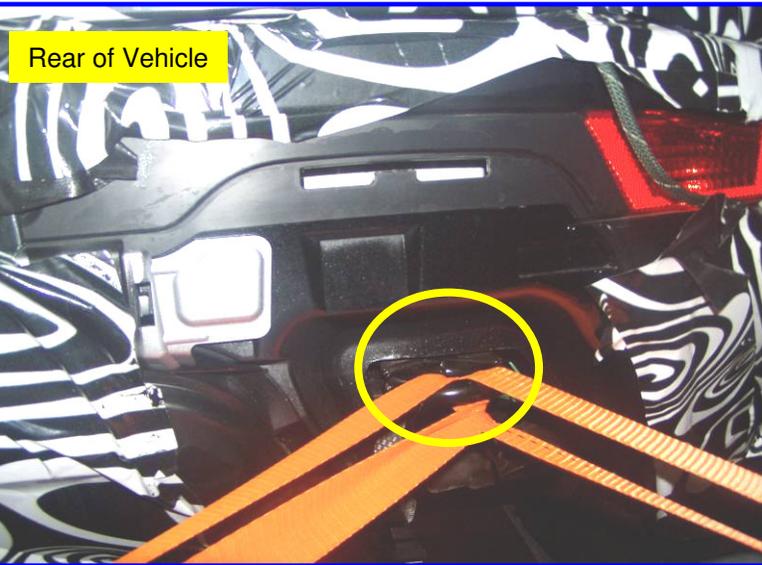
Once Vehicle is in position prior to the driver getting out of the vehicle the marshal needs to ensure adequate clearance angles are checked so that lashing in straps will clear the bumper when attached to tow eye and pulled back to container tie in location. This needs to be done prior to lashing vehicle down fully.



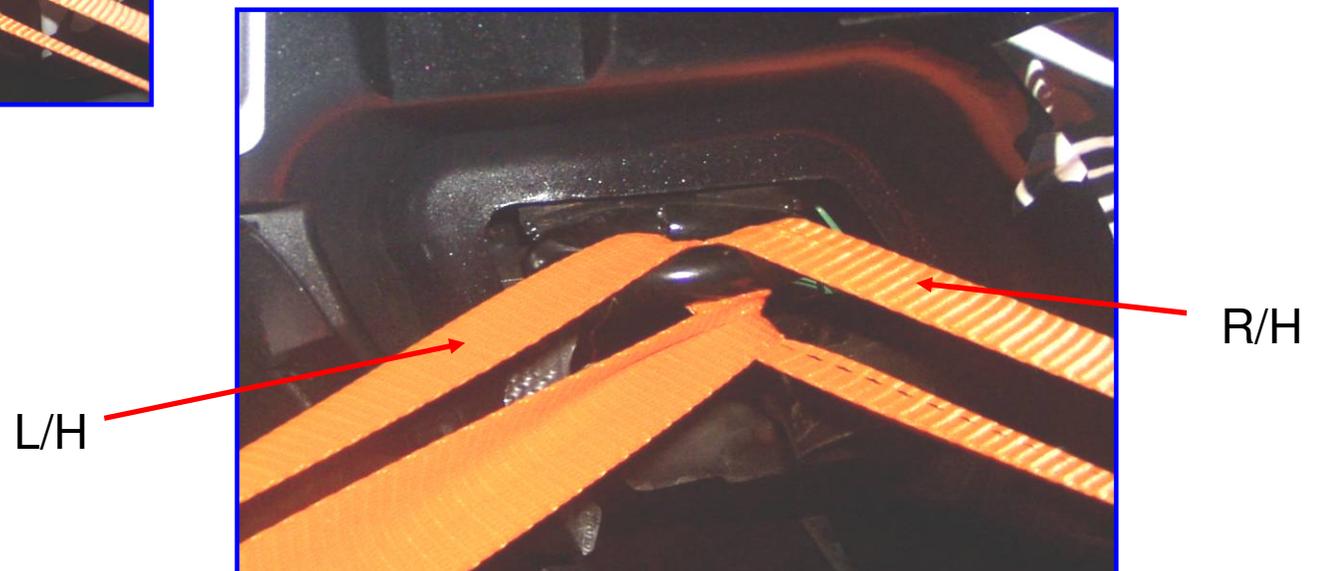
**Lashing strap needs to be clear
not making contact with bumper**

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Container Loading



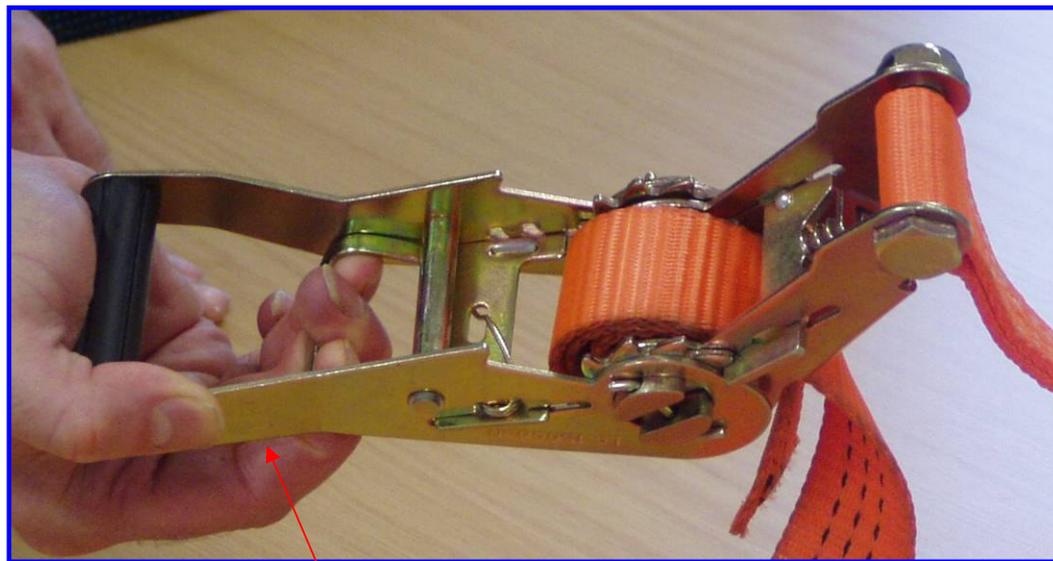
When securing the rear of the vehicle the R/H lashing strap must be attached first. The L/H strap must be looped over both the R/H strap and towing eye and as shown in photo



Container Unloading



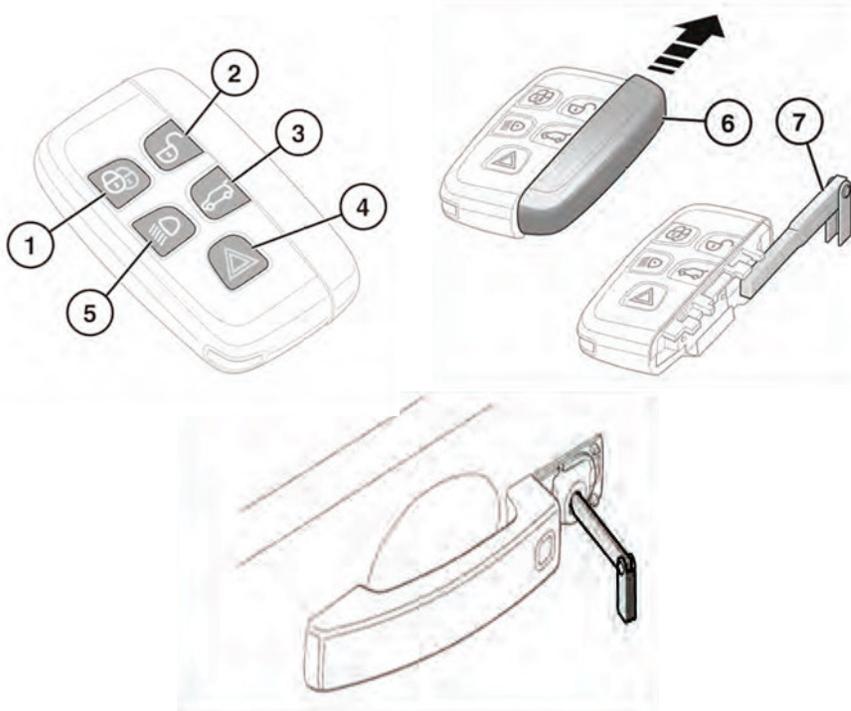
- Inspect Vehicles for damage once container door is opened
- Document and photo any damage found as per TQM process
- Unload the Vehicle as detailed in TQM Chapter 6.6



To release tension from lashing in straps pull on tension release mechanism as shown

Section 7 – Appendix (i)

Key Fob - Opening and Locking the Vehicle



- 1.Lock 2.Unlock 3. Tailgate Release 4. Panic Alarm 5. Approach Lighting 6. Emergency Key Access 7. Remove blade

Locking the Vehicle

Once engine / ignition is turned off, vehicle can be locked with key fob (key fob must be outside the vehicle) within approx 15 - 20 seconds.

Unlocking the Vehicle

When there is no power to the vehicle, the key blade is required to gain access.

Remove the blade as indicated. On the left hand door insert the blade and turn towards the rear of the vehicle.

Upon entry the battery can be activated by pressing the hazard switch, key fob can now be used to open remaining doors. Keys should be stowed in driver's door pocket as per TQM

Caution

If the vehicle security system is armed, only the front left hand door will unlock. The alarm will sound when the door is opened. Press the unlock button on the Smart Key to disarm the alarm or press the START/STOP button.

Appendix (ii)

L538 Weights and Dimension



Range Rover Evoque (L538)

Coupe	Length	Width (Folded)	Track (Max)			Foot Print	Cube	Weight - No options	Approach	Departure
			Front	Rear	Height					
2.2l Diesel 2WD	4355	1965	1625	1630	1605	8.56	13.73	1605	25	33
2.2 Diesel	4355	1965	1625	1630	1605	8.56	13.73	1680	25	33
2.0 Petrol	4355	1965	1625	1630	1605	8.56	13.73	1645	25	33

5 Door	Length	Width (Folded)	Track (Max)			Foot Print	Cube	Weight - No options	Approach	Departure
			Front	Rear	Height					
2.2l Diesel 2WD	4365	1965	1625	1630	1635	8.56	14.00	1640	19	30
2.2l Diesel	4365	1965	1625	1630	1635	8.56	14.00	1710	19	30
2.0 Petrol	4365	1965	1625	1630	1635	8.56	14.00	1675	19	30

NB: If the vehicle has roof rails the original height is increased by 5mm; if the vehicle has cross bars fitted to roof side rails the original height is increased by 85mm

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 GIS2 Record Type: Transient: Issue 1
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 GIS1 item number: 35.05

Appendix (iii)

Replacing Battery

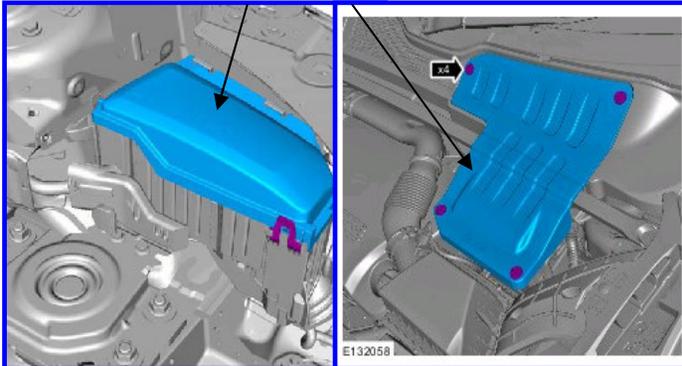


- If the vehicle has a flat battery and needs to be replaced, the following procedures should be followed. (Please ensure that normal starting procedures have been attempted at least twice prior to carrying out any battery removal/exchange.)
- Tools required:
 - 10 mm socket or spanner
 - 13 mm socket or spanner
 - Flat head screwdriver
 - Torque wrench
- Follow steps 1 to 10 outlined in pages 31 & 32 to remove battery.
- Reverse steps from 10 to 1 to replace with new battery and torque to 25Nm

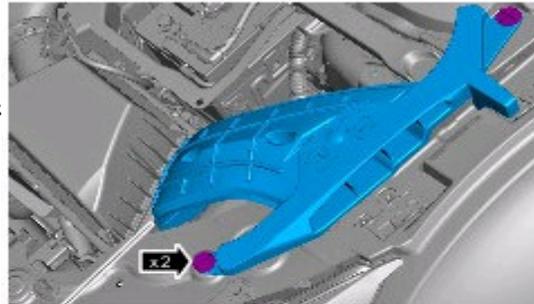
Battery Removal



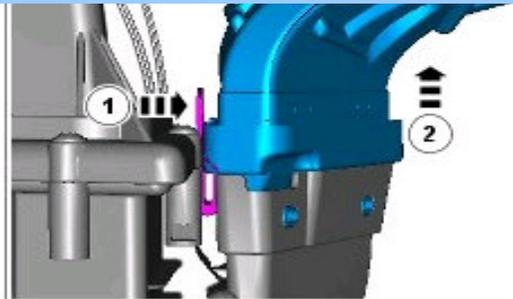
Remove Fuse Box Cover and Battery Cover



2

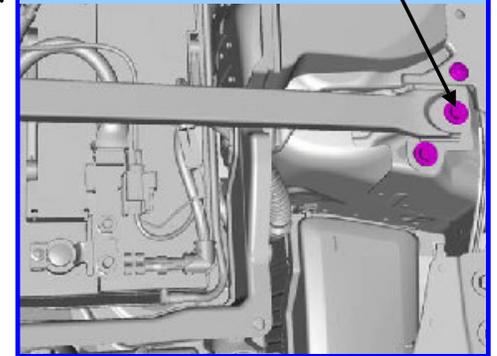


Remove x 2 Retaining Clips

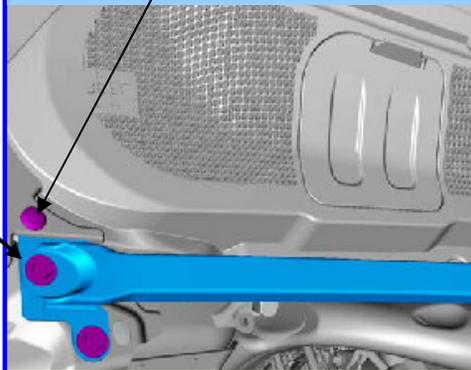


3

Remove 2x 13mm bolts and 1 clip (each side) and remove retaining bar

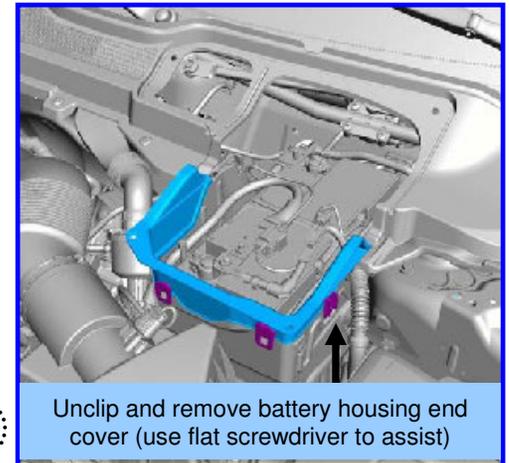


Remove 2x 13mm bolts and 1 clip (each side) and remove retaining bar



Bolts 13mm
Torque 25Nm

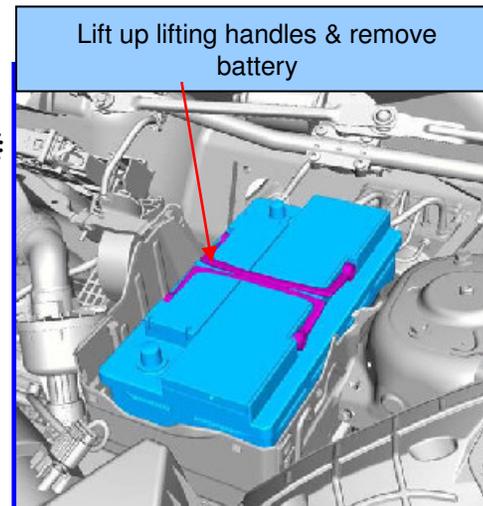
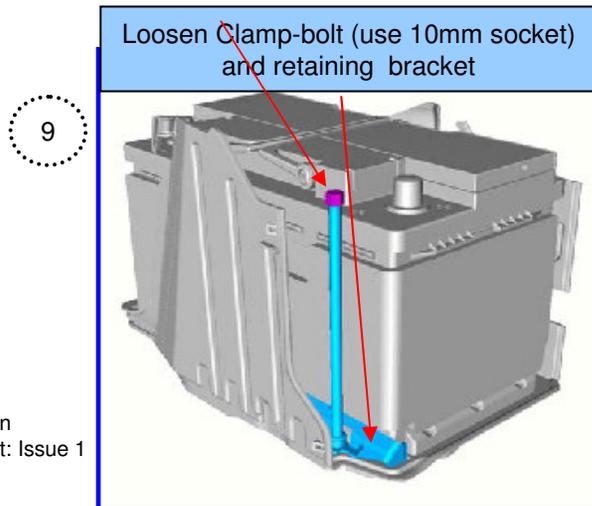
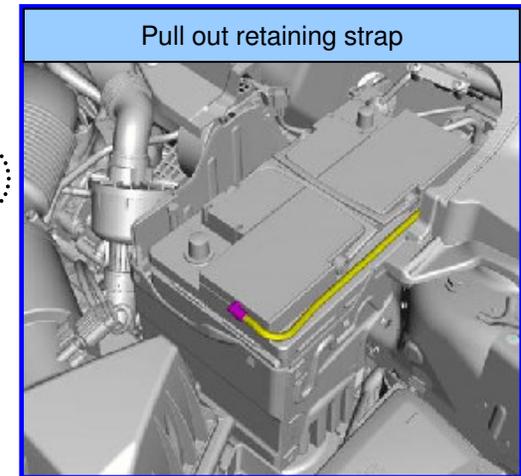
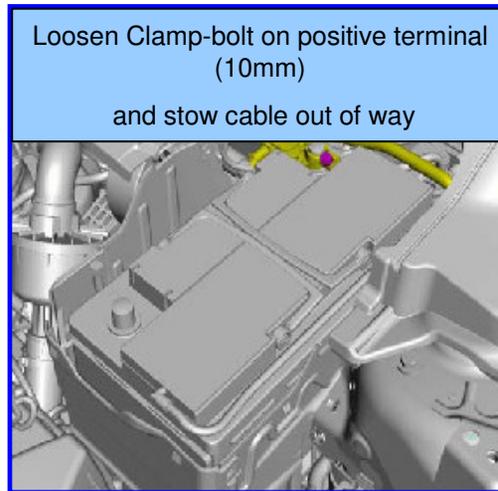
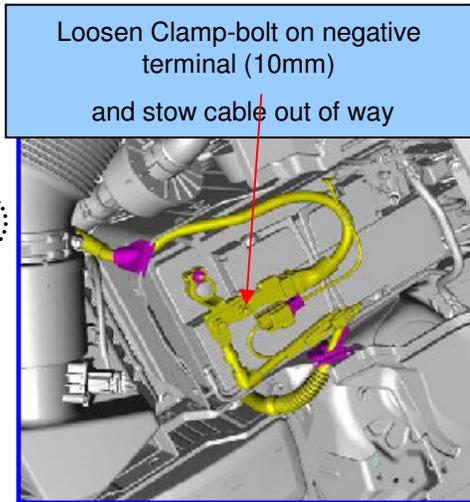
4



Unclip and remove battery housing end cover (use flat screwdriver to assist)

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Battery Location and Access





L538 Automatic Transmission Removal From Park

- *When should this process be used?*

The process should be used to release the transmission from Park to allow vehicle recovery when normal methods are unavailable due to engine, power supply or transmission failure. Risk assessment for any Health & Safety risks/hazards should be carried out prior to using this process.

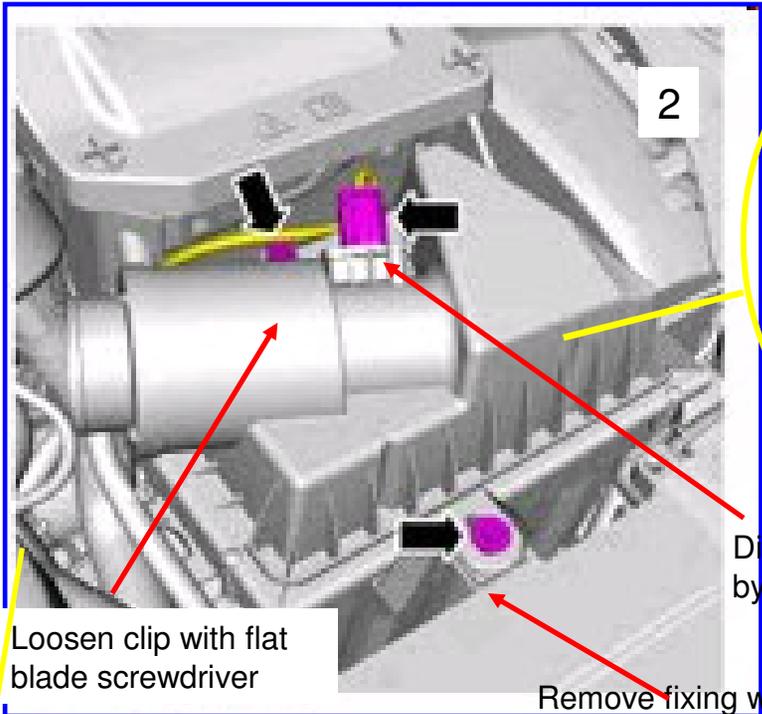
- *What should I try before starting this process?*

Try to enter transmission service mode. This is attempted by turning the ignition on then keeping the brake pedal and the upshift paddle held for over 10 seconds. The selector should rise and allow N to be selected by moving the selector out of the P position.

- **Caution:** *Mandatory precautions needed before using this process*

The vehicle should be secured so that when moving the transmission out of park it will not move. The parking brake should be in the applied position or wheel chocks used. The engine should not be running.

Emergency Park Release (EPR)



Loosen clip with flat blade screwdriver

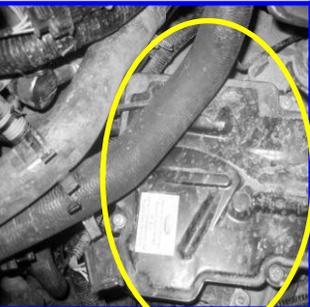
Remove fixing with 10mm socket

Disconnect connector by hand

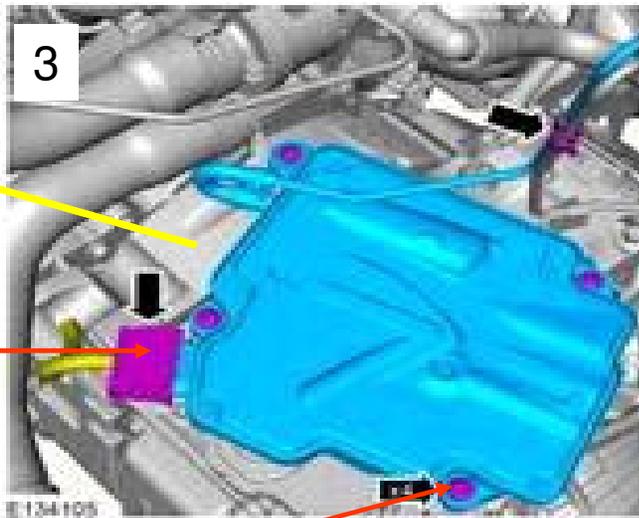
Remove fixings by hand (no tools required) Remove duct



Emergency Park Release (EPR)

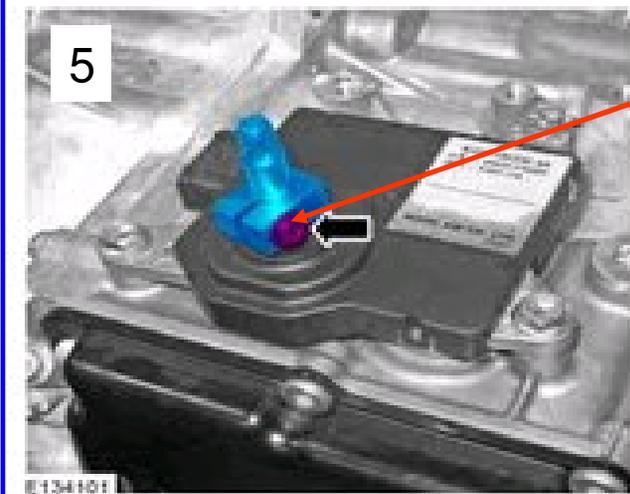
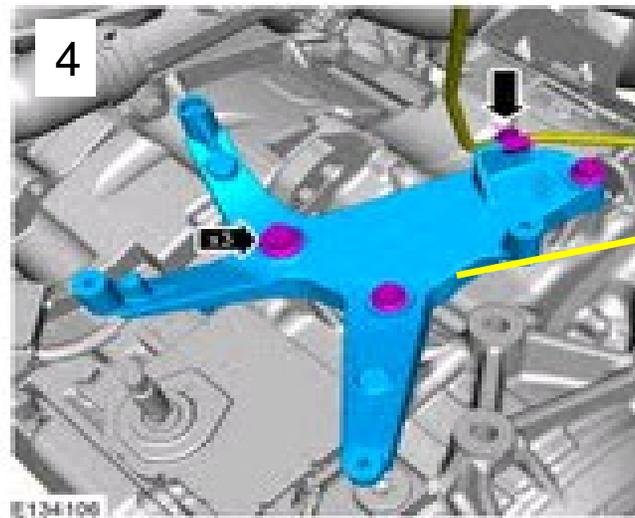


Remove connector by hand



Four GSMB (Gear Shift Module B) TX30 fixings to be removed

Once the above steps have been completed the GSMB will lift clear to reveal the selector shaft



In Park Position, selector shaft can be rotated to remove vehicle from Park to allow vehicle recovery. This can be done by hand, but may require pliers or an adjustable spanner for additional leverage. Turn the shaft to "N" (Markings P-R-N-D are at the base of the shaft)

ENSURE VEHICLE IS SECURED FROM MOVING BY OTHER MEANS BEFORE MOVING SHAFT OUT OF PARK – SUCH AS PARK BRAKE APPLIED, WHEEL CHOCKS



Restoring Vehicle to Normal Condition

- Components should be refitted in reverse order. The transmission shaft needs to be returned to the Park position to allow it to match with the GSMB spline position.
- Before the vehicle is returned to the customer the GSMB gear position learning process must be completed using the service tool. This should be completed any time the GSMB is removed or replaced to ensure that position selection accuracy is maintained.
- The vehicle should be secured by the parking brake or other method when refitting the components. The engine should not be running.

Appendix (v)

L538 Emergency Park Brake Release



Methods of releasing the EPB when in stuck applied

Vehicle EPB is fully electronic (No cables) therefore alternative manual release process needs to be followed if preferred option 1 not possible.

Risk assessment for any Health & Safety risks/hazards should be carried out prior to using this process.

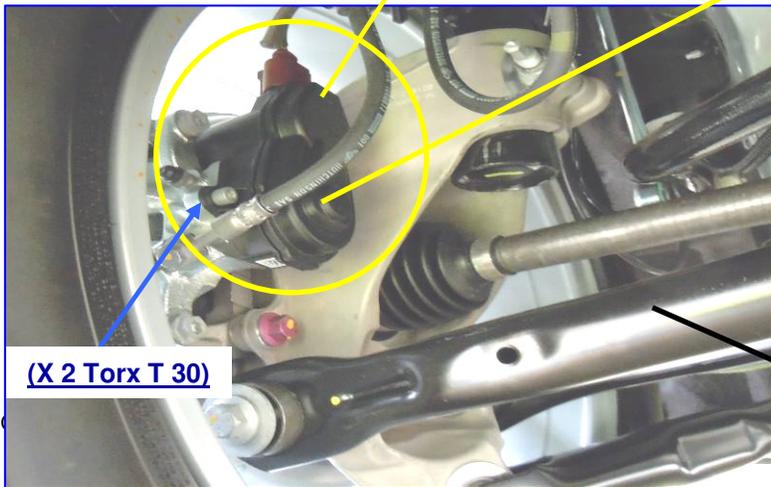
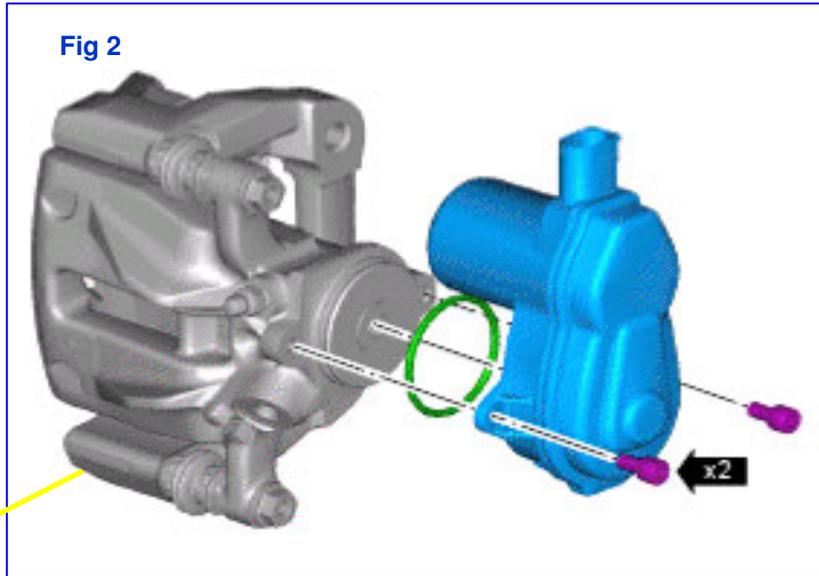
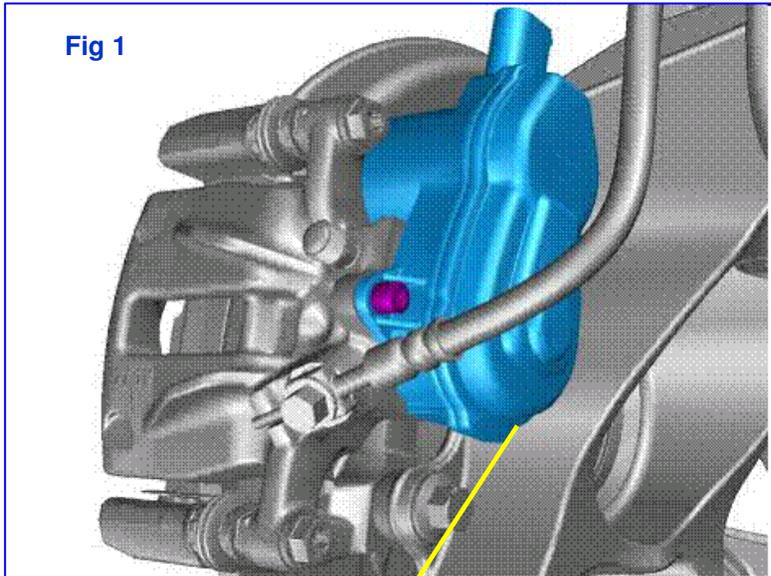
Option 1 IDS (Diagnostic System) laptop puts vehicle into maintenance/service mode.

- EPB can be taken off Via SAT nav screen inside the vehicle. (Vehicle Must have electric power) Go to Menu/Brake/Handbrake/EPB Release
- Once done apply footbrake to re calibrate.

Option 2 Manual Release for EPB on Rear Calliper

- Remove x 2 bolts from actuator housing (Torx T30 fastenings)
- Remove the actuator and the O- ring set
- Insert allen key and turn anticlockwise to wind release brake from pad.
- (Illustration on page 43)

Emergency Park Brake (EPB) Release



(X 2 Torx T 30)

Manual release. This involves removing the electric motor / actuator (2 Torx T30 screws figs 1& 2) and O- ring set, and winding back the piston manually, using an allen key.

Rear Wheel



Re Fuelling

Minimum Re-Fuelling Level If the vehicle does run out of fuel, a minimum of 5 litres will be required to restart the engine. **(Vehicle receives 12 Liters of fuel at manufacturing fueling point, this should be suffice for outbound distribution, however if emergency re-fuelling is required please ensure 5ltres is added and correct fuel type is used)**

Note: *The filler flap will only be locked closed when the vehicle is centrally locked.*

DIESEL MISFUELLING PROTECTION DEVICE

When the misfueling device is activated, it may cause fuel to be discharged from the filler neck.

Note: *It is the driver's responsibility to fill the vehicle with the correct fuel. The diesel misfuelling protection device only reduces the risk of filling the vehicle with the incorrect fuel*

The filler spout on some fuel cans and older fuel pumps may trigger the misfuelling device. which will need resetting before further fuel can be put into vehicle

FUEL FILLER FLAP

1. If a locking fuel filler flap is fitted, ensure that the vehicle alarm system is disarmed.

Note: *The fuel filler flap can be opened only when the vehicle alarm is disarmed.*

2. Press the flap to unlatch it. Open the flap until the hinge lock fully engages.

After refueling, tighten the cap until it clicks three times.

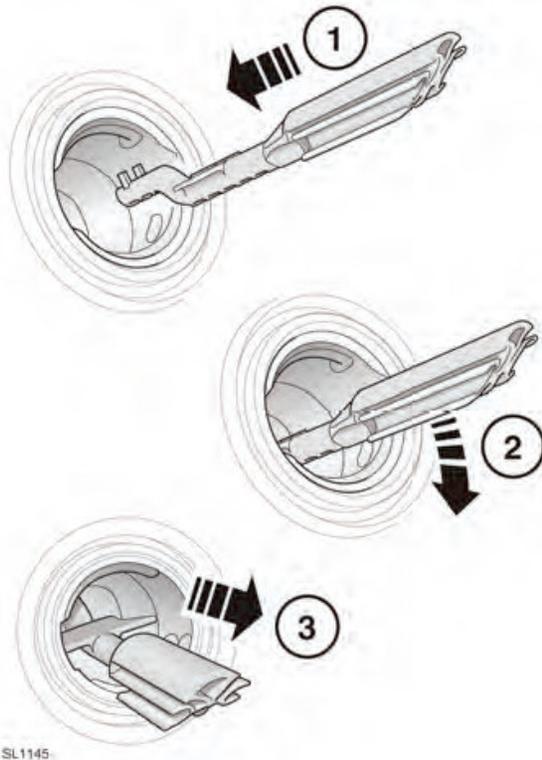
3. To close the filler flap, push the flap until latched closed.

If the narrow filler nozzle fitted to pumps delivering unleaded petrol is fully inserted into the filler neck, the misfuel protection device will activate.

Re Fuelling



The reset tool is located in the luggage compartment.



Reset the misfuel protection device as follows:

1. Insert the reset tool with the teeth uppermost, as far as it will go into the filler neck.
2. Locate the teeth by pushing down the top of the reset tool.
3. With the top of the tool pressed down and the teeth engaged, slowly pull the tool out of the filler neck to reset the device.

Do not twist the device, once the teeth have engaged.

Note: The yellow part of the protection device should no longer be visible in the filler neck.

Return the reset tool to the luggage compartment

FUEL SPECIFICATION

Diesel vehicles in Algeria, Egypt, Libya, Morocco, India, Pakistan and Tunisia must only use premium diesel fuel.

Petrol	Diesel
91-98 RON	EN 590