



Jaguar New XJ (X351) Vehicle Handling Guide

Supplement to the JLR Transport Quality Manual (TQM)

X351 Handling Guide Contents



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Section 1 – Vehicle Handover

X351 Carrier / Dealer Handover Checks

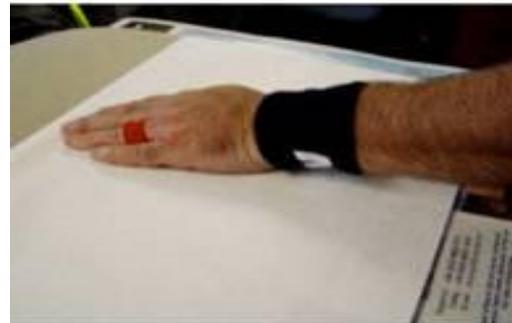


The following Quality checks are required at vehicle handover...

- Check vin on Manifest, D42 Label (on windscreen) and Vin Plate matches
- Inspect vehicle and Check for damage
- Check vehicle protection is in place (see page 4)
- Check key stowage (Drivers' door pocket)
- Check wing mirrors are folded inboard
- Check windows and sunroof are closed
- Check vehicle is in Transit Mode (see page 5 for information on how to check vehicle is in transport mode)

Section 1 – Vehicle Handover

X351 Personal Protection Equipment 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 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 car

Section 1 – Vehicle Handover

X351 Vehicle Protection



Check vehicle has ALL protection at handover collection point including:

- Driver Seat Protection
- Tread Plate Protection
- Towing Eye / Bumper Protection (if applicable for market)
- Drivers' Door Protection



Section 1 – Vehicle Handover

X351 Transport Mode



X351 has rear air suspension. When in transport mode, the rear suspension is raised approximately 25mm to aid loading

Before driving X351, check the digital display indicates vehicle is in “Transport Mode”

**VEHICLE MUST BE IN
TRANSIT MODE PRIOR TO
TRANSPORTATION**



Section 2 – Driver Controls



X351 Starting Vehicle

Starting

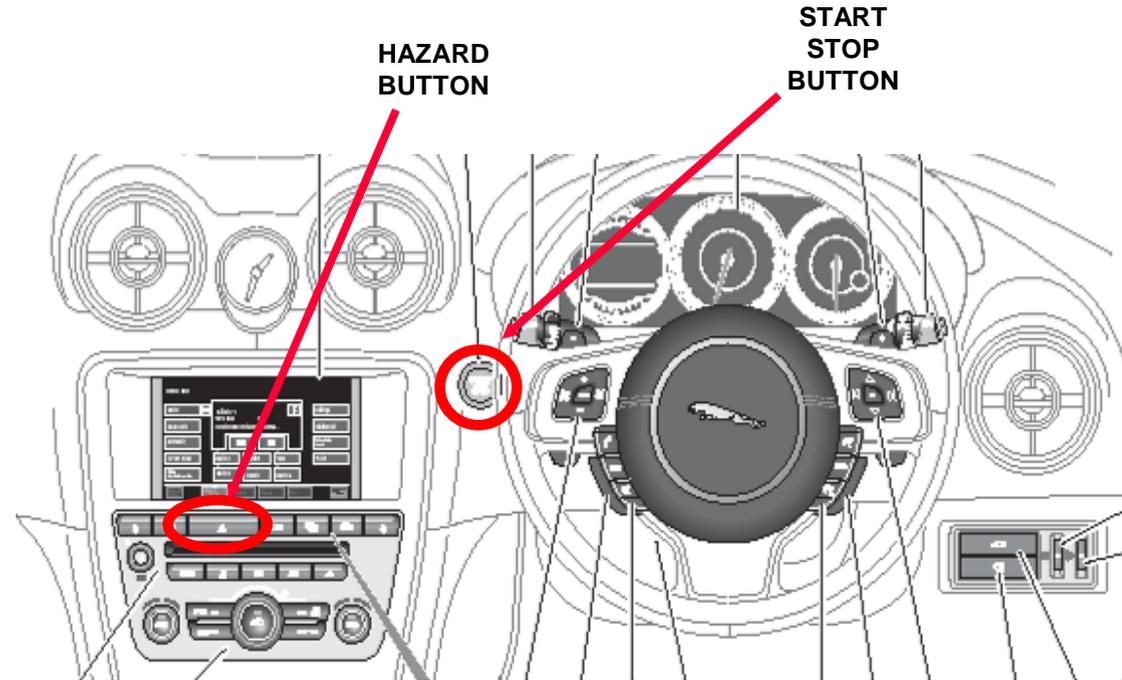
Press hazard switch.

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

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

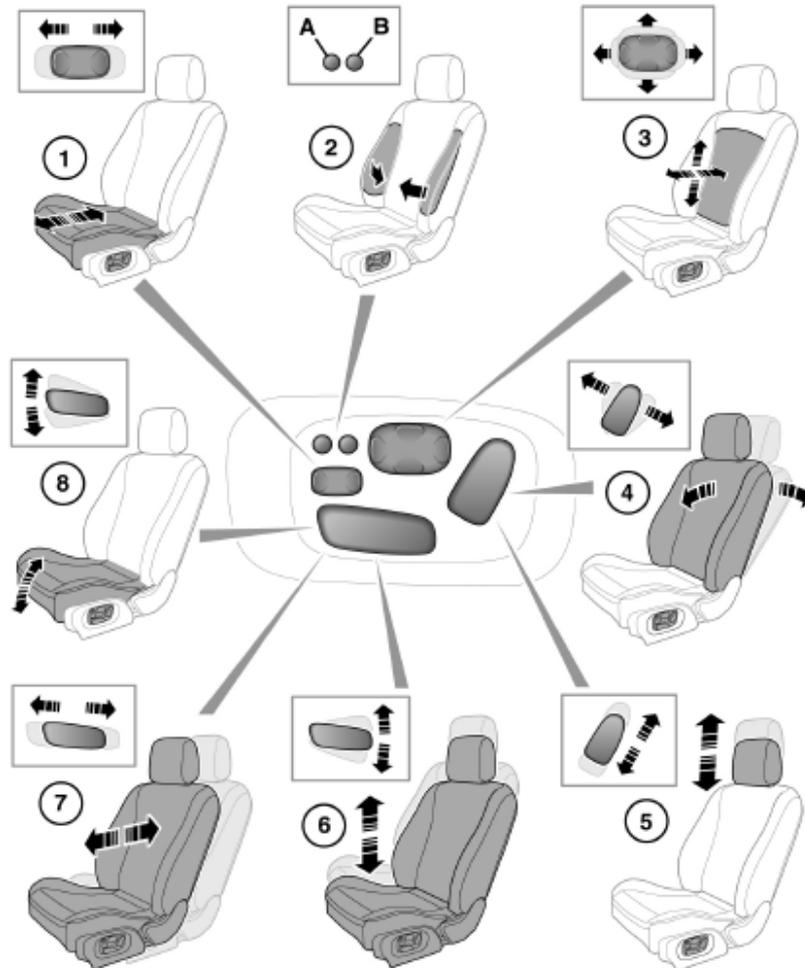
Press again to stop the engine.

Should the vehicle not start, repeat the above process.



Section 2 – Driver Controls

X351 Seat Adjustment



Driver seat can only be adjusted once vehicle has been started. The seat switchpack controls can be used as follows:

- Adjust the cushion length (1).
- Move the seat side bolsters in/out via the bolster rotation switch (2).
- Adjust the lumbar support (3).
- Adjust the seat back angle (4).
- Adjust the head restraint height (5).
- Adjust the seat height (6).
- Adjust the seat fore/aft position (7).
- Adjust the cushion front tilt (8).

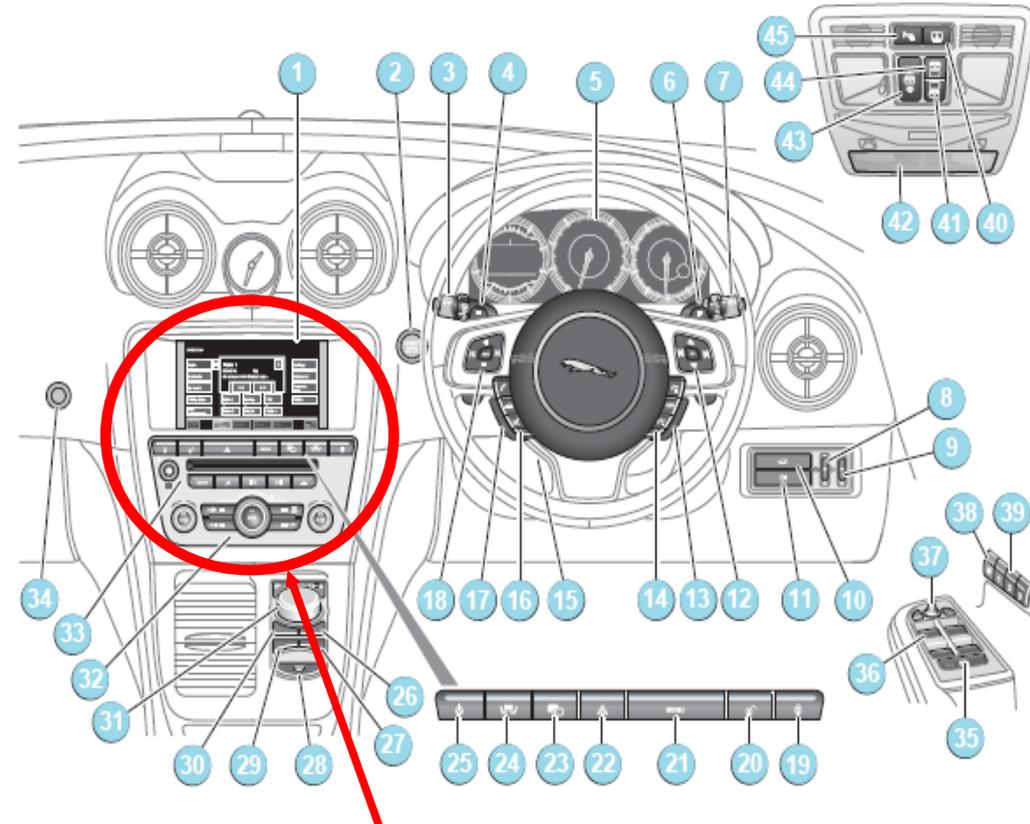
Section 2 – Driver Controls

X351 Driver Controls – Dashboard



Some controls are optional and hence will not be present in all vehicles.

Vehicles will have limited functionality whilst in transport mode.

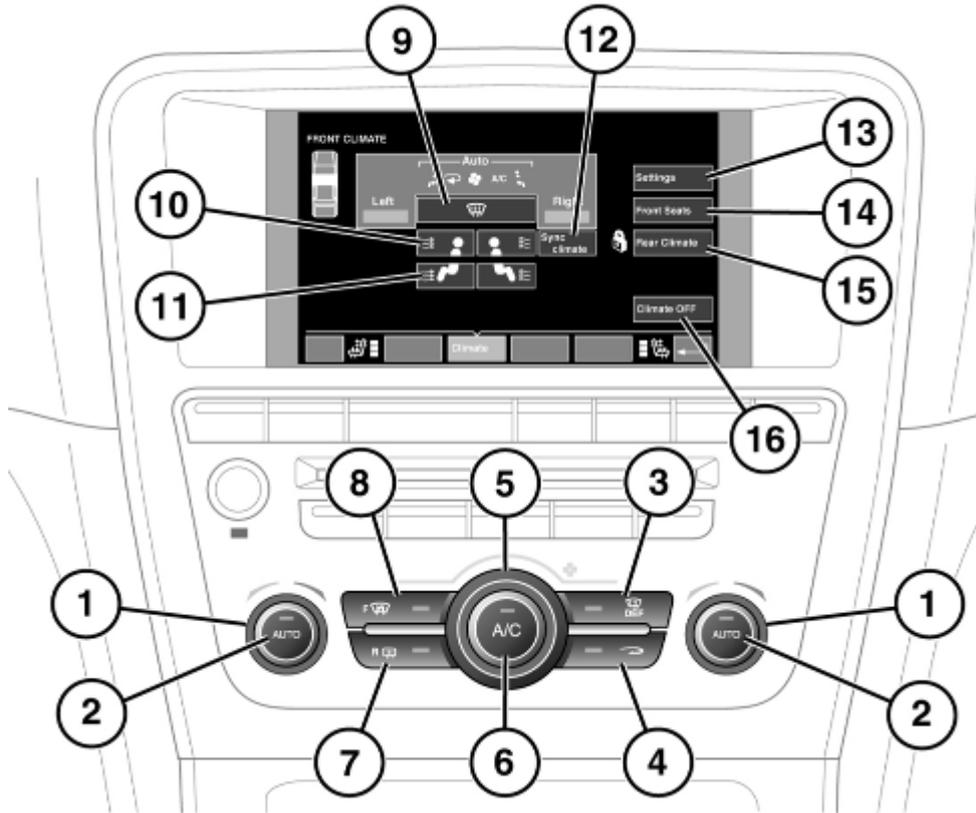


See page 9 for detail of front and rear screen defrost

1. Touch-screen and controls
2. Start Stop button
3. Headlamps, direction indicators and trip computer
4. Manual gear change paddle - down
5. Instrument pack, warning indicators and message centre
6. Manual gear change paddle - up
7. Wiper and washers
8. Dimmer control
9. Halogen headlamp adjuster
10. Luggage compartment release
11. Rear fog lamps
12. Instrument pack menu control
13. Adaptive cruise control gap setting and cruise control Cancel
14. Cruise control
15. Steering column adjustment
16. Telephone and voice controls
17. Heated steering wheel
18. Instrument pack menu control
19. Master locking switch
20. Master unlocking switch
21. Touch-screen main menu
22. Hazard warning switch
23. Dual view touch-screen switch
24. Rear entertainment switch
25. Home screen switch
26. Dynamic Stability Control (DSC)
27. Automatic speed limiter (ASL)
28. Electric Parking Brake (EPB)
29. Dynamic mode switch
30. Winter mode switch
31. Automatic gear change selector
32. Climate control
33. Audio system
34. Glovebox release
35. Rear window isolator
36. Window controls
37. Power folding mirror selectors and adjuster
38. Memory (M) button
39. Memory store buttons
40. Rear screen sun blind
41. Rear sunroof blind
42. Interior lamp switches
43. Sunroof switch
44. Front sunroof blind
45. Parking aid switch

Section 2 – Driver Controls

X351 Driver Controls – Front and Rear Screen Defrost



3.) 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.

7.) Rear screen heater: Press to switch on/off.

8.) Front screen heater: Press to switch on/off.

Section 2 – Driver Controls

X351 Drive Selector



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

Gearshift interlock

The brake pedal must be depressed before the selector can be moved from the **P** 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.



Section 2 – Driver Controls

X351 Parking Brake Application and Release



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

X351 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.



Section 3 – Road Transport

X351 Care Points



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

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



Section 3 – Road Transport

X351 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

X351 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 protectors are in good condition. Chocks should be stowed away from the main deck.



Section 4 – Rail Transport

X351 Train Equipment Care Points



Vehicles must come to a stop 1 metre from the loading ramp 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.



Section 4 – Rail Transport

X351 Train Equipment Care Points



Care must be taken when entering and exiting the vehicle.

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



Section 4 – Rail Transport

X351 Train Equipment Care Points



Care Required when offloading vehicle from train.

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

Section 5 – Ship Transport

X351 Towing Eye



Check towing eye and towing eye protection is in place prior to shipping for applicable markets.

Section 5 – Ship Transport

X351 Loading and Unloading



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

Section 5 – Ship Transport

X351 Ship lashing – Stem to Stern Stowage



Care must be taken when lashing to towing eye.



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



Section 5 – Ship Transport

X351 Ship lashing – Traverse and Ramp Stowage



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

X351 – Container Loading



- Vehicles need to be loaded / unloaded in a controlled, slow manner (5mph max)
- Vehicles must be free of bird liming / contamination
- 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.
- **Vehicle to be loaded as per JLR Transport Quality Manual Chapter 12 and Chapter 4 section 4.5. to 4.8.**

Section 7 – Appendix (i)



X351 Weights and Dimension

New XJ (X351)

Model: SWB	Length	Width(Folded)	Track (Max.)			Foot Print	Cube	Weight - No Options	Approach	Departure
			Front	Rear	Height					
3.0 Diesel	5122	1894	1626	1604	1481	9.70	14.37	1830kg - 1915kg	11	16.5
5.0 Petrol NA	5122	1894	1626	1604	1481	9.70	14.37	1830kg - 1915kg	11	16.5
5.0 Petrol SC JT5	5122	1894	1626	1604	1481	9.70	14.37	1830kg - 1915kg	11	16.5
5.0 Petrol SC JT6	5122	1894	1626	1604	1481	9.70	14.37	1830kg - 1915kg	11	16.5

Model: LWB	Length	Width(Folded)	Track (Max.)			Foot Print	Cube	Weight - No Options	Approach	Departure
			Front	Rear	Height					
3.0 Diesel	5247	1894	1626	1604	1481	9.94	14.72	1845kg - 1935kg	11	16.5
5.0 Petrol NA	5247	1894	1626	1604	1481	9.94	14.72	1845kg - 1935kg	11	16.5
5.0 Petrol SC JT5	5247	1894	1626	1604	1481	9.94	14.72	1845kg - 1935kg	11	16.5
5.0 Petrol SC JT6	5247	1894	1626	1604	1481	9.94	14.72	1845kg - 1935kg	11	16.5

Section 7 – Appendix (ii)

X351 Battery Location and Access



Key fob – flat battery

If the key fob fails to operate, hold it below the auxiliary switch pack to disarm the alarm. Start the engine as normal. Smart key can now be removed.

Vehicle – flat battery

If vehicle is locked – access can be gained via emergency key blade – See Opening vehicle section.

To gain access to the battery in the boot the following procedure should be followed with the aid of a donor battery:

Open the bonnet via the pull release in left hand side of the vehicle foot well.

Locate the fuse box on the RHS of vehicle -in front of leafscreen as shown opposite.

1) Attach the positive booster cable clamp to the rearward end of the 100A Midi fuse. Picture 1

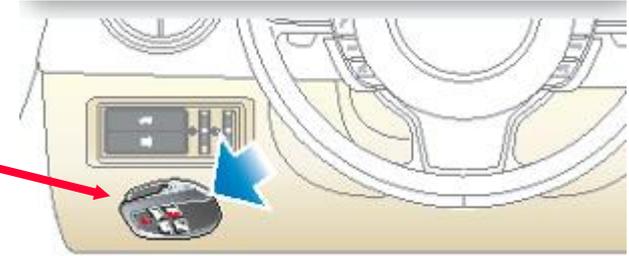
2) Attach the negative booster cable clamp to the earthing post at the front of the right-hand chassis leg. Picture 2

Alarm may sound.

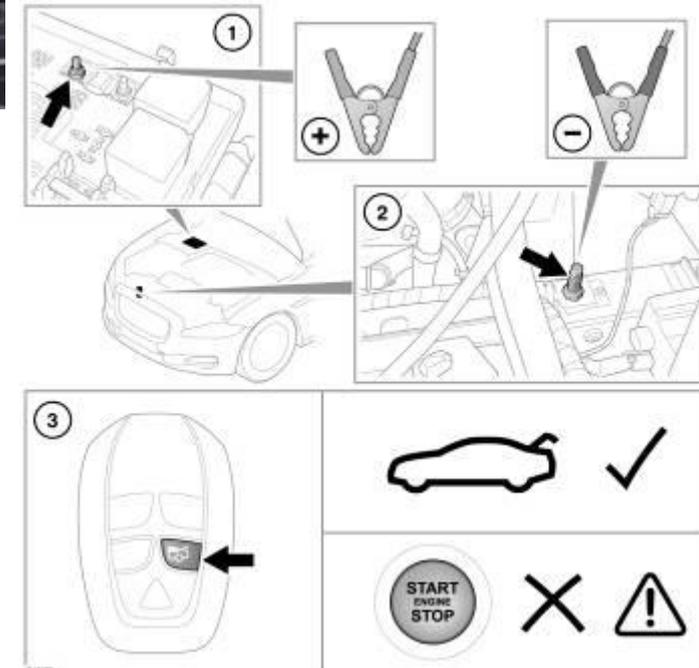
3) Press the luggage compartment release button on the remote control and unlock car boot to deactivate alarm.

NOTE:

- The engine should not be jump started using this method as this can blow the midi fuse. Please see the next page for battery replacement process.



Cover needs to be removed to access the fuse box

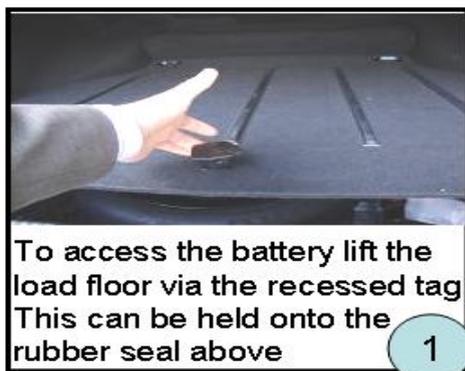


Section 7 – Appendix (iii)

X351 Replacing Battery



If vehicle has a flat battery the following procedure should be followed to replace battery and transit relay. Please ensure you have attempted the start procedure and press the hazard switch to enable power through the transit relay prior to battery replacement.



To access the battery lift the load floor via the recessed tag. This can be held onto the rubber seal above

1



Disconnect negative terminal before removing transit relay with a 10mm spanner.

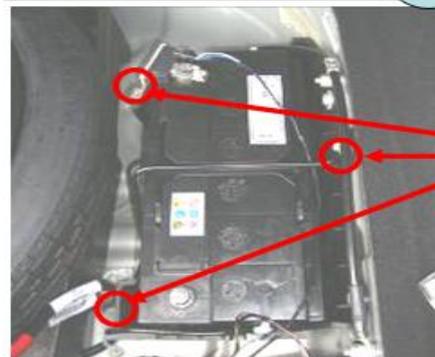
2

To remove the transit relay and positive cable together undo the bolt indicated with a 10mm spanner.

3

To refit the transit relay place relay onto +ve terminal and tighten same bolt

5



To remove the battery from the vehicle remove the bolts in the regions indicated.

With battery removed ensure the +ve terminal is not touching bodywork. Do not close the boot unless necessary – boot cannot be opened without power – to pop boot without power refer to flat battery procedure.

4

JUMP STARTING IS NOT PERMITTED

Section 7 – Appendix (iv)



X351 Emergency Park Release (EPR)

- Shift-by-Wire is now incorporated into the automatic transmission
- In the event of vehicle failure a mechanical means of selecting Neutral is now required, the EPR provides this functionality (see next page for operation).
- Failures that could result in the use of EPR (see next page for operation) :
 - Transmission / Engine failure
 - Electrical failure
 - Recovery of vehicle - by towing
- When the EPR hand lever is operated the park pawl within the transmission will be released and will not be allowed to re-engage until the hand lever is released from its latched position.
- Actuation of the EPR requires the operator to be seated in the drivers seat with the foot brake applied.



• WHEN EPR LEVER IS PULLED VEHICLE WILL BE IN NEUTRAL AND WILL BE ABLE TO FREE WHEEL.

Section 7 – Appendix (iv)

X351 Emergency Park Release



Press chrome button to open console lid.



If pen holder is fitted this can be removed to expose park release arm and red loop



Inside centre console the park release can be found with red tag. Pull this loop to lift the release arm

Fuel filler cap location



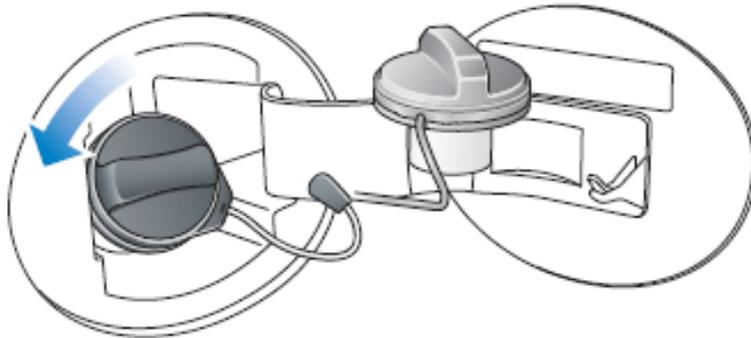
A small arrow on the fuel gauge indicates which side the fuel filler flap is located.

Fuel filler flap opening

The fuel filler flap can be opened only when the vehicle is unlocked. Press the fuel filler flap firmly approximately 35mm (1.4 in) from the left hand edge and release.

Filler cap

Twist the cap counter-clockwise to release.



A hook is provided on the flap hinge to hold the cap while refuelling. After refuelling, tighten the cap until it clicks three times.

Fuel specification

The correct fuel specification for your vehicle is shown on the inside of the fuel filler flap.

Diesel misfuelling prevention

To help protect against a diesel fuel tank being accidentally filled with petrol, a prevention device is fitted in the filler neck. It will activate if the wrong type of fuel nozzle is fully inserted. The narrow fuel nozzle associated with unleaded petrol pumps will cause a flap to close and so interrupt fuel flow.

The yellow flap will be visible in the filler neck and must be reset with the correct tool, stored with the vehicle tool kit. Refer to the **Fuel and refuelling** section in your Owner's Handbook for details of how to reset the device after activation.

Emergency key access

Press the button and open. Remove the key blade and unfold.



Locking

Once engine / ignition is turned off, vehicle can be locked with key fob (key fob must be outside the vehicle) within 20 seconds. If battery times out, hazard switch can be pressed for additional 20 seconds power to lock vehicle.

Opening

With transit relay fitted – the key blade is required to open the vehicle.

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

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.