WINDSHIELD WIPERS

CAUTIONS

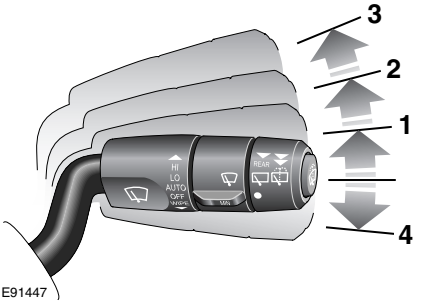
Do not operate the windshield wipers on a dry screen. The drag on the wiper mechanism may cause damage.

In freezing or very hot conditions ensure that the wipers have not stuck to the windshield before operating. The drag on the wiper mechanism may cause damage.

Remove any snow, ice or frost, from the windshield, around the wiper arms and blades, and the windshield scuttle before operating the wipers. Snow and ice can cause damage to the wiper mechanism if left uncleared.

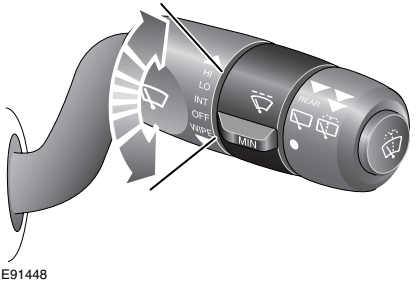
Note: *If the wiper blades do become stuck, or jammed, an electronic cut out may temporarily halt the operation of the wipers. If this happens, switch off the wipers and the starter switch. Clear any obstructions, and free the wiper blades before attempting to turn the starter switch on.*

The wipers and washers will only operate when the starter switch is turned to position **I** or **II**.



1. Rain sensor or intermittent variable delay
2. Normal speed wipe
3. Fast speed wipe
4. Pull the lever down and release immediately. With the lever held down, the wipers will operate at fast speed until the lever is released.

Intermittent variable delay



With the lever in position **1**, rotate the collar clockwise to decrease the interval between wipes. Rotate the collar counterclockwise to increase the interval between wipes.

Speed dependent mode

When speed dependent mode is configured, the operation of all wiper modes will be affected by vehicle speed.

If the vehicle's speed drops below 8 km/h (5 mph) with the wipers operating, the wiper frequency automatically reduces. The wipers will switch to the next lowest speed. When the vehicle's speed increases to over 8 km/h (5 mph), the original wiper speed setting is restored automatically.

This feature can be enabled or disabled by a Land Rover Dealer.

Speed dependent intermittent mode

The frequency of intermittent variable delay is adjusted automatically according to road speed on vehicles not equipped with a rain sensor.

The intermittent period can be adjusted for each of the speed dependent modes by rotating the delay switch either clockwise or counterclockwise.

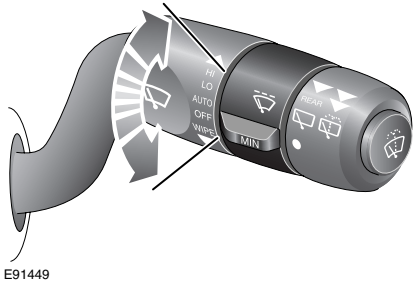
This feature can be enabled or disabled by a Land Rover Dealer.

RAIN SENSOR

Rain sensor variable delay

CAUTION

Before entering an automatic car wash, ensure that the wipers are switched off, they could operate during the car wash programme and be damaged.



E91449

With the wiper switch in position **1**, wiper operation is adjusted automatically according to information supplied by the rain sensor.

Rotate the collar clockwise to increase or counterclockwise to decrease the sensitivity of the rain sensor, and therefore the frequency of wiper operation.

WINDSHIELD WASHERS

WARNING

If the vehicle operates in temperatures below 41°F (5°C), use washer fluid with antifreeze protection. In cold weather, failure to use washer fluid with antifreeze protection could result in impaired vision and increase the risk of an accident.



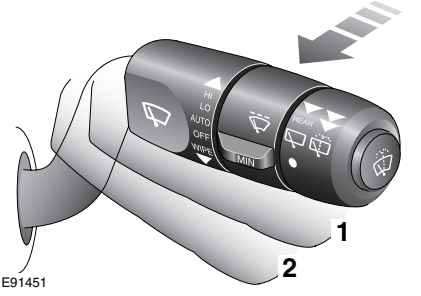
E91450

Push the button to operate the windshield washer. The front wipers will operate if the button is pressed for more than half a second. When the button is released, the wipers will complete the current stroke and then complete two further strokes before parking automatically.

If the button is pressed for less than half a second, only the washer will operate.

Note: *National or local regulations may restrict the use of Volatile Organic Compounds (VOCs), which are commonly used as antifreeze agents in washer fluid. A washer fluid with limited VOC content should be used only if it provides adequate freeze resistance for all climates in which the vehicle will be operated.*

REAR WINDOW WIPER AND WASHERS



E91451

Wiper - intermittent operation

Pull the lever to position **1**. The intermittent delay period will vary according to the delay switch setting.

Wiper - continuous operation

The rear wiper can be configured to operate continuously.

This setting can be configured by a Land Rover Dealer.

Washer

Pull the lever to position **2** and hold it. The wiper and washer will operate. When the lever is released, the washer will stop and the wiper will complete a further two wipe cycles and then return to intermittent operation.

Reverse gear input

If reverse gear is selected while the front wipers are operating, the rear wiper will operate automatically.

Tailgate open disable

If the tailgate is opened while the rear wiper is operating, the wiper will:

- Stop immediately.
- Not start to move if it is already stationary.

If the tailgate is subsequently closed, the wiper will resume operation after three seconds.

If the tailgate is open and the vehicle's speed is above 2 mph (3 km/h), the wiper will operate as if the tailgate were closed.

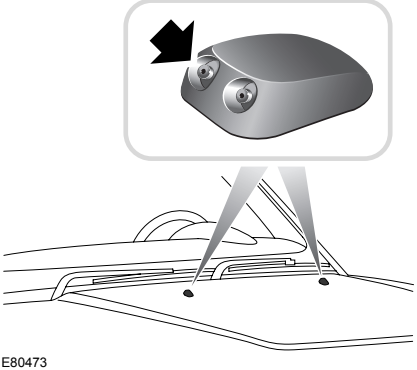
HEADLAMP WASHERS

If the headlamps are on, operating the windshield washer will also power wash the headlamps.

Note: *If the fluid level sensor detects a low level, the headlamp power wash is inhibited.*

ADJUSTING THE WINDSHIELD WASHER JETS

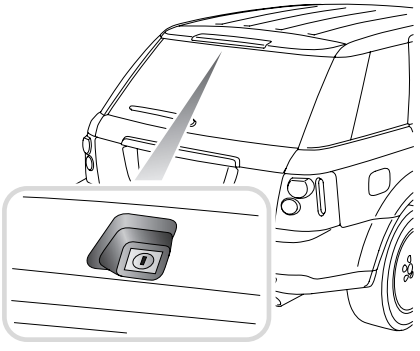
Front washer jets



E80473

The windshield washer jets are set during manufacture and should not need adjusting. However, if adjustment is ever necessary, insert a needle into the jet orifice and lever it gently to position each jet, so that the spray is directed towards the center of the windshield.

Rear washer jets



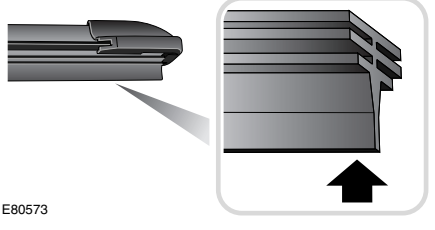
E90904

Should any jet become obstructed, insert a needle or thin strand of wire into the orifice to clear the blockage.

CHECKING THE WIPER BLADES

CAUTION

Only use cleaning products which have been approved for use on automotive glass and rubber. Inappropriate products may cause damage.



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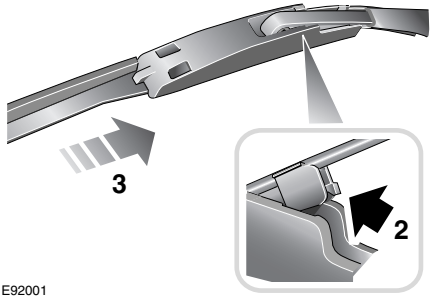
The wiping edge of the blades should be cleaned periodically. Clean the blade edge by wiping with a soft cloth or sponge, using warm soapy water.

Also, check the blade rubber for cracks, splits and roughness. If any damage is found, replace the blade immediately to prevent damage to the glass.

CHANGING THE WIPER BLADES

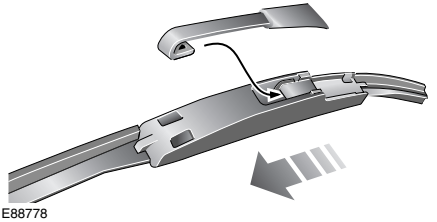
Only fit replacement wiper blades that are identical to the original specification.

Front



E92001

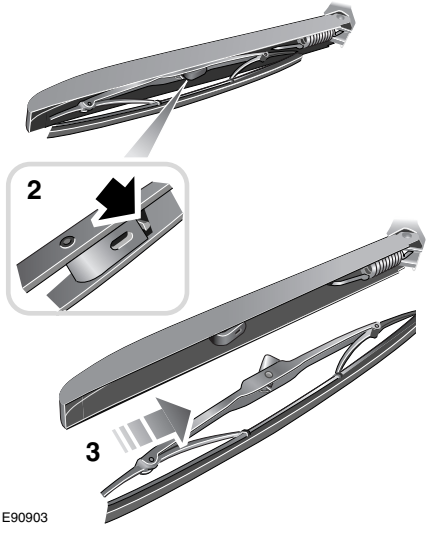
1. Lift the wiper arm away from the windshield and pivot the blade assembly away from the arm.
2. Press the tab (arrowed in inset), to release the blade assembly.
3. Slide the blade assembly off the end of the wiper arm.
4. Carefully replace the arm to its stowed position.



E88778

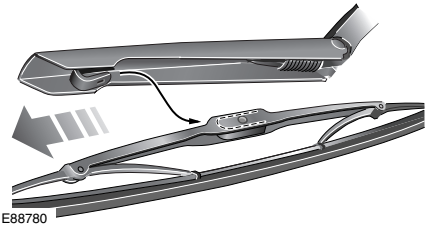
5. To replace, position the wiper arm into the aperture in the middle of the blade assembly and push firmly into position until the blade clips into place.

Rear



E90903

1. Lift the wiper arm away from the rear window.
2. Press the tab (arrowed in inset), to release the blade assembly.
3. Slide the blade assembly off the end of the wiper arm.
4. Carefully replace the arm to its stowed position.



E88780

5. To replace, position the blade assembly onto the inside of the wiper arm and push firmly into position until the blade clips into place.