WINDSCREEN WIPERS

CAUTIONS

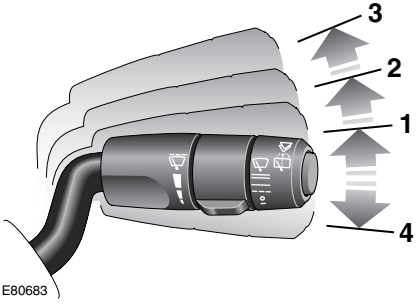
Do not operate the windscreen wipers on a dry screen. The drag on the wiper mechanism may cause damage.

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

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

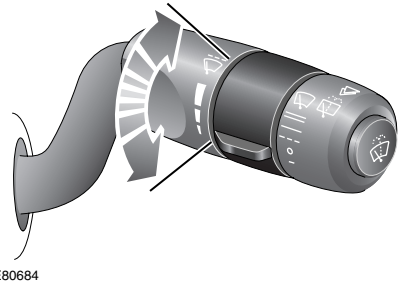
Note: *If the wiper blades do become stuck, or jammed, an electronic cut-out may temporarily halt the operation of the wipers. If this happens, switch off the wipers and the ignition. Clear any obstructions, and free the wiper blades before attempting to switch on the ignition.*

Wiper operation



1. Rain sensor/intermittent variable delay.
2. Low speed wipe.
3. High speed wipe.
4. Single wipe, pull down and release to operate.

Intermittent variable delay



The interval in between wipes can be adjusted to suit the conditions. Rotate the control upwards to increase the time between wipes, and down to decrease the time between wipes.

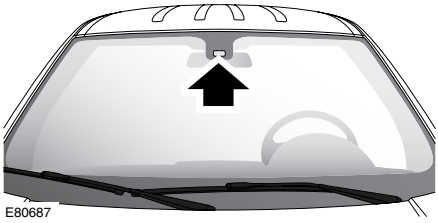
Speed-dependent mode

If the vehicle's speed drops below 2 km/h (1.2 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.

RAIN SENSOR

CAUTION

Ensure that the wipers are switched off before entering a car wash. If the rain sensitive wipers operate during the car washing process damage may occur to the wiper mechanism.

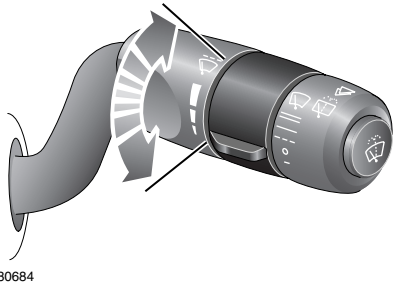

E80687

The rain sensor is able to detect the presence and amount of rain/dirt/snow on the windscreen.

Operation

To use the rain sensitive wipers, move the wiper stalk to position **1** rain sensor/intermittent variable delay.

Adjusting the sensitivity


E80684

Rotate the control upwards to increase the sensitivity, and down to reduce the sensitivity.

If the sensor detects constant rain the wipers will operate continuously.

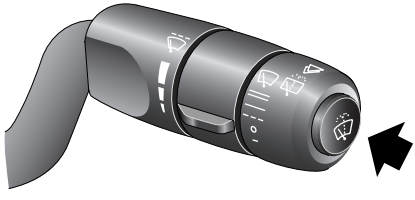
WINDSCREEN WASHERS

WARNING

Some screenwash products are flammable, do not allow screenwash to come into contact with sources of ignition.

CAUTION

Only screenwash products which are approved for automotive use should be used, and only in accordance with the manufacturers instructions.


E80679

To operate the windscreen wash press the button on the end of the wiper stalk. When the button is released, the wipers will complete two additional strokes, and then park.

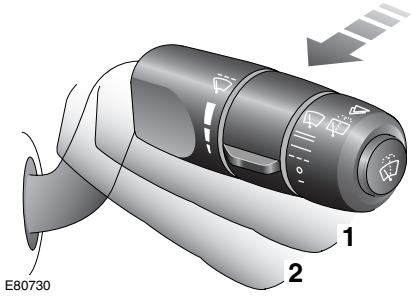
HEADLAMP WASHERS

Headlamp power wash operates automatically with the windscreen wash, and will only operate if the headlamps are switched on and there is sufficient washer fluid in the reservoir.

Headlamp wash operates with every fifth operation of the screen washers, or if ten minutes have elapsed since the last operation of the screen washers, they will operate again immediately.

Note: *The headlamps are washed alternately to prevent the washer fluid from reducing the light output for both headlamps at the same time.*

REAR WINDOW WIPER AND WASHERS



1. Intermittent wiper operation.
2. Wash wipe.

Wiper

Pull the wiper stalk back to position 1 to turn on the rear screen wiper. The wipe interval is set to six seconds.

Wash/wipe

Pull the wiper stalk to position 2 and hold it there for as long as the wash is required. The wiper will operate at the same time, and carry out two additional wiper sweeps when the lever is released.

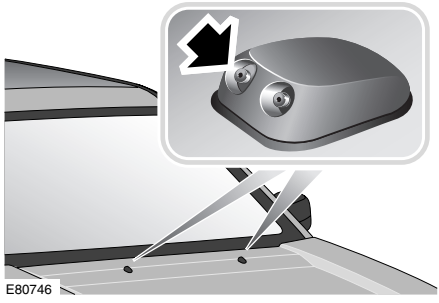
Reversing

If reverse gear is selected while the front wipers are operating, the rear wiper will begin automatically and continue as long as reverse gear is selected.

If the rain sensor is operating the front wipers and reverse gear is selected, the rear wiper will operate automatically.

ADJUSTING THE WINDSCREEN WASHER JETS

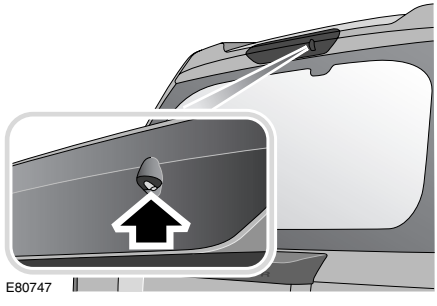
Front



If it is necessary to adjust the direction of the front washer jets, insert the end of a needle into the jet and gently reposition it.

Note: *Direct the water jet towards the centre of the windscreen. Take into account that when the vehicle is moving at speed the air flow over the bonnet will lower the jet.*

Rear



The rear washer jet is set at the factory, and cannot be adjusted.

Blocked jets

WARNING

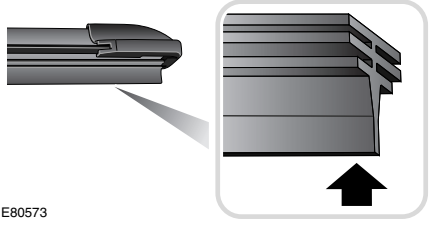
Do not operate the washer jets during adjustment. Windscreen washer fluid may cause irritation to the eyes and skin. Alway read and observe the washer fluid manufacturers instructions.

If a washer jet becomes blocked, use a thin strand of wire to unblock the jet by inserting the wire into the jet. Ensure that the wire is completely removed after unblocking.

CHECKING THE WIPER BLADES

WARNING

Only use cleaning products which have been approved for use on automotive glass and rubber. Inappropriate products can cause smearing, and increase glare.



E80573

The wiping edge of the blades should be checked, and cleaned periodically. Check the blade rubber for cracks, splits, and roughness. If any damage, wear, or roughness is detected the blade should be replaced immediately to prevent damage to the glass.

Clean the blade edge by wiping with a soft cloth or sponge, using warm soapy water.

CHANGING THE WIPER BLADES

CAUTIONS

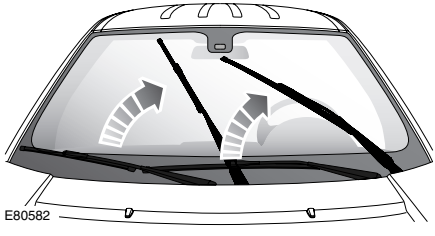
When checking or changing the wiper blades, they can be set to the service position, or parked normally.

The wipers will return to their normal parked position when the ignition is turned on. To prevent damage to the mechanism ensure that they are returned to their position against the windscreen, and that there are no obstructions, ice, or snow present on the windscreen.

Service position

CAUTION

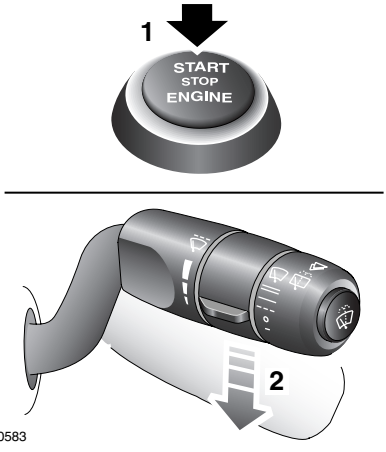
If the wipers are set to the service position and left there overnight during frosty conditions, do not switch the ignition on until the wipers have been freed from frost/ice. The wipers will try to park when the ignition is switched on. If they are frozen to the screen when this occurs then this may cause damage to the mechanism.



E80582

The windscreen wiper service position allows the wipers to be parked in a more accessible position. This makes it easier to change wiper blades, or free the wipers from frost/ice.

Setting the wipers



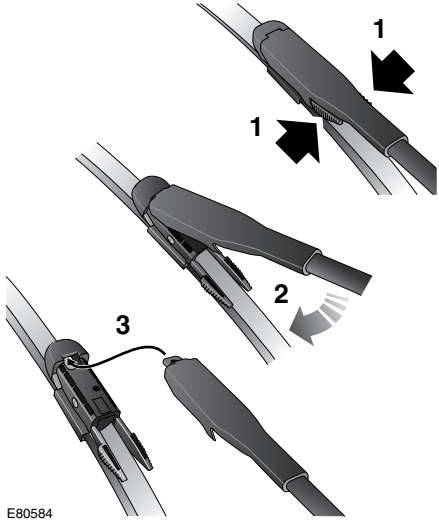
E80583

1. Switch off the ignition.
2. Within three seconds of switching off the ignition pull the wiper stalk down to the single wipe position. Hold the stalk in this position briefly, and release it.

Changing the front wiper blades

CAUTION

Only fit the correct length and type of wiper blade. Failure to do so may cause damage to the wiper system, it may also affect the operation of the rain sensor.



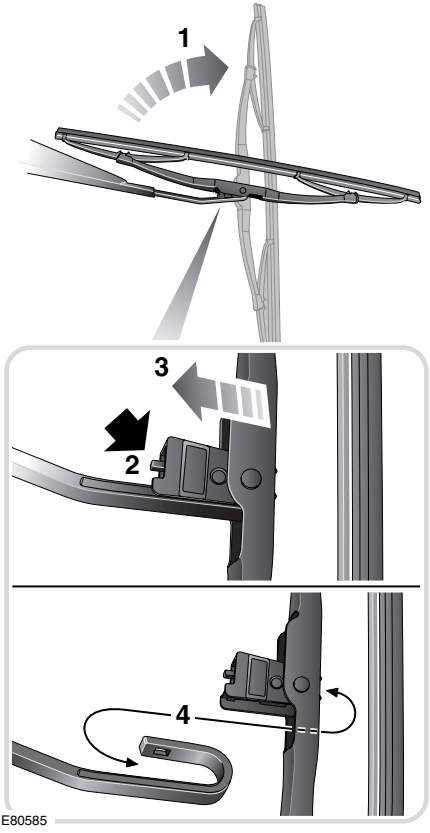
E80584

Having set the wipers to the service position, lift the wiper blade clear of the windscreen. The removal procedure for the wiper blade is as follows :-

1. Push the clips together on the underside of the wiper mounting.
2. Rotate the clips and blade away from the wiper mounting.
3. Slide the wiper blade off of the wiper arm.

To fit the new blade, follow the removal procedure in reverse.

Changing the rear wiper blades



Lift the wiper blade clear of the windscreen. The removal procedure for the wiper blade is as follows :-

1. Rotate the wiper blade to gain access to the retaining clip.
2. Press in the retaining clip on the underside of the mounting.
3. Slide blade down the wiper arm and clear of the mounting.
4. Move the blade sideways and lift it clear of the wiper arm.

To fit the new blade, follow the removal procedure in reverse.