Wipers and washers

WINDSCREEN WIPERS

**CAUTIONS**

1. Do not operate the windscreen wipers on a dry screen. The drag on the wiper mechanism may cause damage.
2. 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.
3. 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 become stuck or jammed, an electronic cut-out may temporarily halt wiper operation. 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. Windscreen wipers off and parked.
2. Rain sensor activated wipe.
3. Low speed wipe.
4. High speed wipe.
5. Rain sensor sensitivity control.

Rain sensor variable delay

1. Maximum sensitivity.
2. Rotate control to adjust sensitivity.

With the rain sensor activated, the sensitivity of the rain sensor can be adjusted. Rotate the control upwards to reduce the sensitivity of the rain sensor.

Single wipe

Pull the stalk towards the steering wheel for a single wipe. Holding the switch in this position, operates the wipers at normal speed until the switch is released.
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Speed-dependent mode
If vehicle 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 settings are restored automatically.

RAIN SENSOR

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<td>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.</td>
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The rain sensor is able to detect the presence and amount of rain, dirt or snow on the windscreen and automatically activates the windscreen wipers accordingly.

To activate the rain sensitive wipers, move the wiper stalk to the rain sensor/intermittent delay position and adjust the rain sensor sensitivity control as required. See WINDSCREEN WIPERS (page 88).

WINDSCREEN WASHERS

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To operate the windscreen washers press and release the button on the end of the wiper stalk. The wipers will perform five normal speed wipes, followed by a drip wipe (if configured). The washers will operate during the first two wipes.

If the washers are operated with the wipers operating at normal or fast speed, the washer jets will operate for two wipes and operation of the wipers will not be affected.

**Note:** If the button is pressed and held, the wipers and washers will operate at normal speed until the button is released (or for a maximum of 10 seconds). After the button is released, the wipers will operate for a further three wipes, followed by a drip wipe (if configured). If the wipers are already operating at normal or fast speed, operating the washers will not affect wiper operation.

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.

WARNING

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

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

Note: If the button is pressed and held, the wipers and washers will operate at normal speed until the button is released (or for a maximum of 10 seconds). After the button is released, the wipers will operate for a further three wipes, followed by a drip wipe (if configured). If the wipers are already operating at normal or fast speed, operating the washers will not affect wiper operation.
Wipers and washers

Low screen wash
If the low washer fluid warning is on, the windscreen wipers will not operate when the wash/wipe is activated, even though there may be washer fluid remaining in the reservoir which is sprayed onto the screen. This is to prevent damage to the wiper blades, scratching of the glass or smearing dirt across the screen. Normal, fast or single wipe can be selected manually, to clear any spray from the windscreen.

Timed jet function
If the timed jet function is configured, the washer jets will only operate on the up stroke of the wipers.
This function can be enabled/disabled by your Dealer/Authorised Repairer.

Drip wipe
If the drip wipe function is configured, the wipers will operate four seconds after a wash wipe cycle has finished, to clear any remaining drips from the windscreen.
This function can be enabled/disabled by your Dealer/Authorised Repairer.

Blocked jets

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<td>Do not operate the washer jets during adjustment. Windscreen washer fluid may cause irritation to the eyes and skin. Always read and observe the washer fluid manufacturers instructions.</td>
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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.

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 fourth operation of the screen washers, provided that ten minutes have elapsed since the last operation of the headlamp washers.

Note: The power wash sequence is reset when the headlamps or the ignition are turned off.

Note: Headlamp power wash is inhibited when the low washer fluid warning is on.
Wipers and washers

CHECKING THE WIPER BLADES

**WARNING**

![Image of wiper blade]

- 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.
- If the wipers fail to clear the windscreen when operated, check the condition of the blade and replace if necessary.

**CAUTIONS**

- **Service position**
  - 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.

- **Changing the wiper blades**
  - 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.

- **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.

**E80573**

**WARNING**

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

**E94746**
Wipers and washers

Setting the service position

1. With the ignition switched off, pull the wiper stalk towards the steering wheel to the single wipe position. Hold the stalk in this position.

2. Make sure the brake pedal is not applied and, while still holding the wiper stalk in the single wipe position, press the ignition START/STOP button to switch on the ignition.

The wipers will move to the vertical (service) position. Release the wiper stalk and turn the ignition off.

Changing the 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.

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 the wiper arm.

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