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REAR VIEW MIRRORS (G2342570)

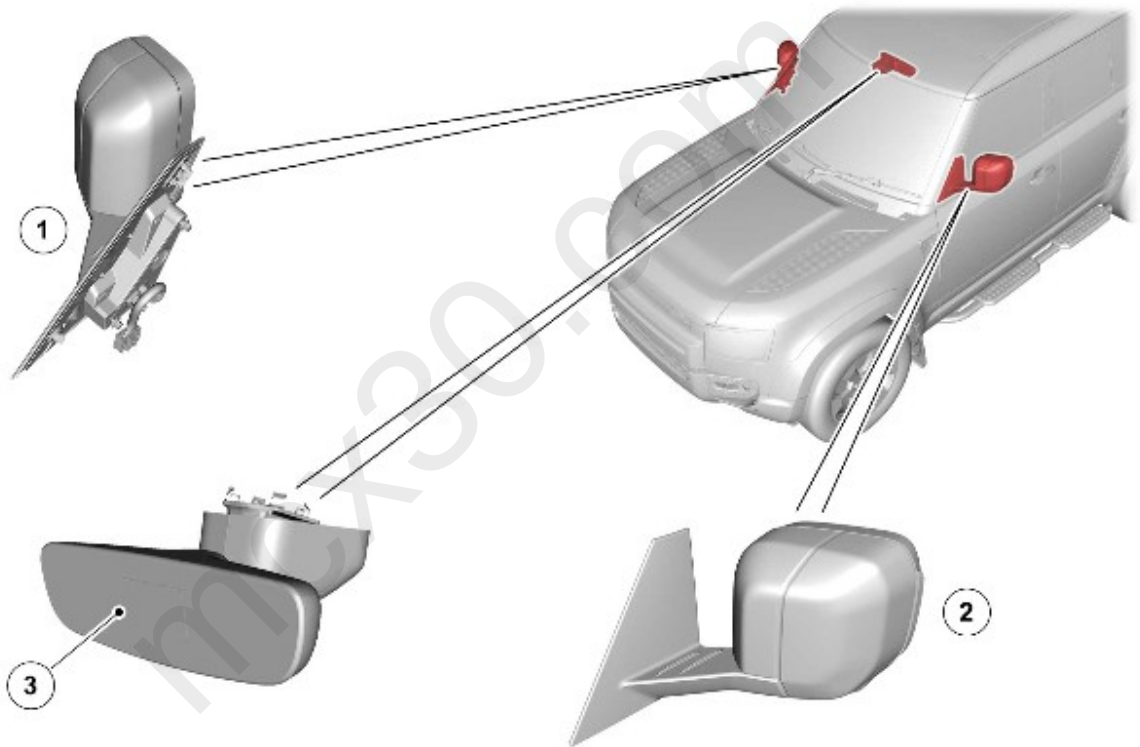
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COMPONENT LOCATION

COMPONENT LOCATION - 1 OF 2

 NOTES:

- Right Hand Drive (RHD) vehicle is shown. Left Hand Drive (LHD) vehicle is similar.
- Vehicle with 5 doors is shown. Vehicle with 3 doors is similar.

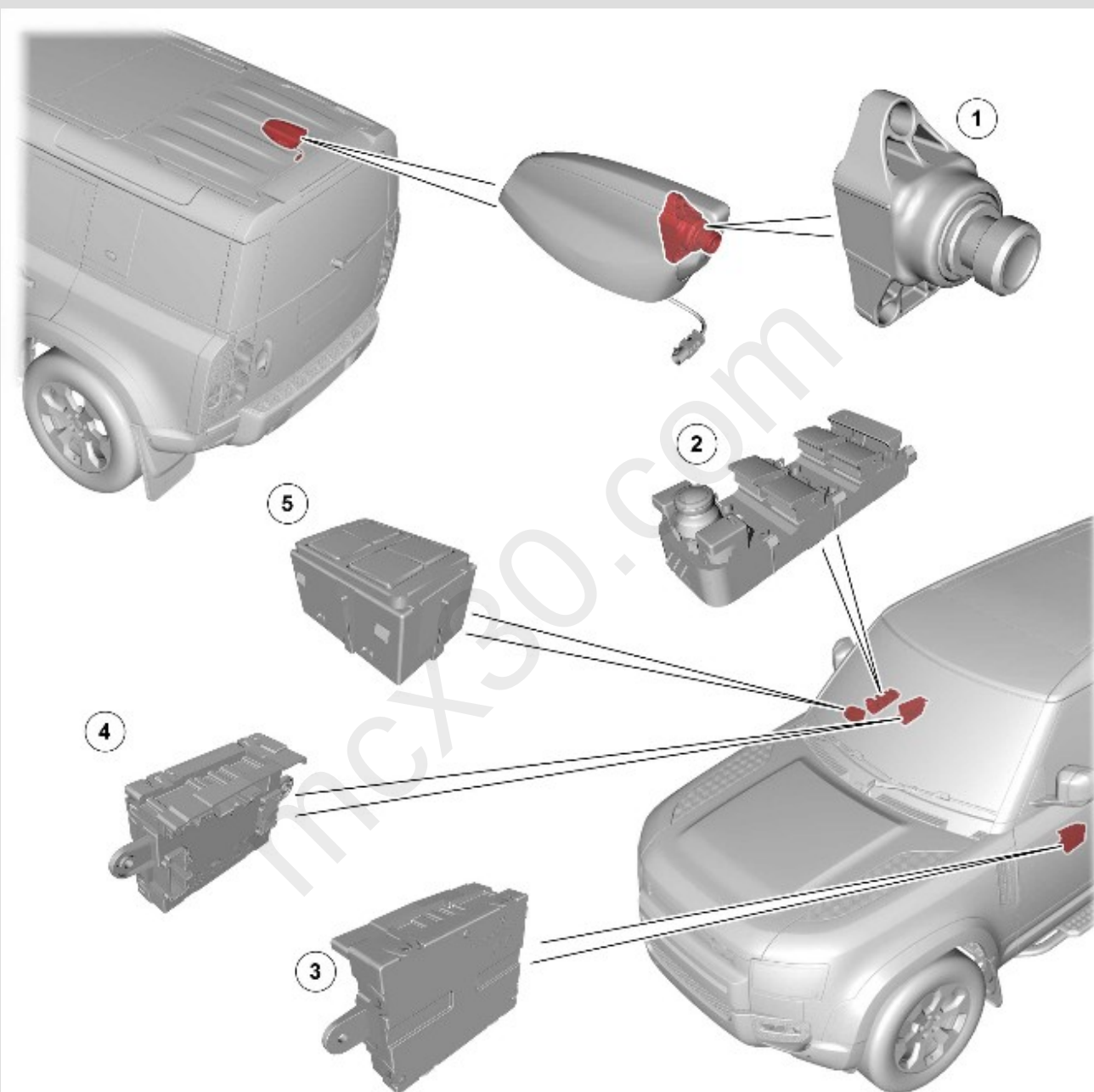


E250769

ITEM	DESCRIPTION
1	Driver door mirror
2	Passenger door mirror
3	Rear View Mirror (RVM) or clear sight RVM (if equipped)

 NOTES:

- RHD vehicle is shown. LHD vehicle is similar.
- Vehicle with 5 doors is shown. Vehicle with 3 doors is similar.



E250770

ITEM	DESCRIPTION
1	Clear sight RVM camera (if equipped)
2	Driver door switchpack
3	Passenger Door Control Module (PDM)

ITEM	DESCRIPTION
4	Driver Door Control Module (DDM)
5	Driver seat memory switchpack (if equipped)

OVERVIEW

The RVMs consist of:

- A door mirror on each front door.
- A RVM or a clear sight RVM on the front area of the roof.

RVM

The RVM is available in 2 different variants, depending on vehicle specification:

- Manual dimming
- Automatic dimming.



NOTES:

- HomeLink® is a registered trademark owned by Gentex Corporation.
- Additional HomeLink® information can be found at www.HomeLink.com/landrover.

Depending on vehicle specification, the automatic dimming RVM may also incorporate a HomeLink®.

CLEAR SIGHT RVM

The clear sight RVM combines a wide angle camera with a Liquid Crystal Display (LCD) integrated into an automatic dimming RVM. The driver is able to see traffic conditions behind the vehicle through the LCD.

The clear sight RVM has 2 modes:

- Clear sight RVM camera mode (wide angle camera view mode)
- Conventional RVM mode.

In either of the modes, the clear sight RVM has an automatic dimming function. Light sensors are installed on the front and rear of the RVM surround case. The sensors control the automatic dimming feature to reduce glare from the headlamps of the vehicles behind.

Depending on vehicle specification, the clear sight RVM may also incorporate a HomeLink®.

DOOR MIRRORS

The door mirrors on all models comprises the following features:

- Electrical adjustment
- Electrical heating
- Side repeater lamps.
 - For additional information, refer to: [Exterior Lighting](#) (417-01 Exterior Lighting, Description and Operation).

The left door mirror comprises the Ambient Air Temperature (AAT) sensor.

Depending on vehicle specification the door mirrors may also include the following:

- Memory recall
- Reverse dipping
- Automatic dimming
- Power fold
- Wade sensors
 - For additional information, refer to: [Parking Aid](#) (413-13 Parking Aid, Description and Operation).
- Approach lamps
 - For additional information, refer to: [Interior Lighting](#) (417-02 Interior Lighting, Description and Operation).
- Proximity cameras
 - For additional information, refer to: [Parking Aid](#) (413-13 Parking Aid, Description and Operation).
- Warning indicators for Blind Spot Monitoring (BSM).
 - For additional information, refer to: [Warning Devices](#) (413-09 Warning Devices, Description and Operation).

DESCRIPTION

RVM

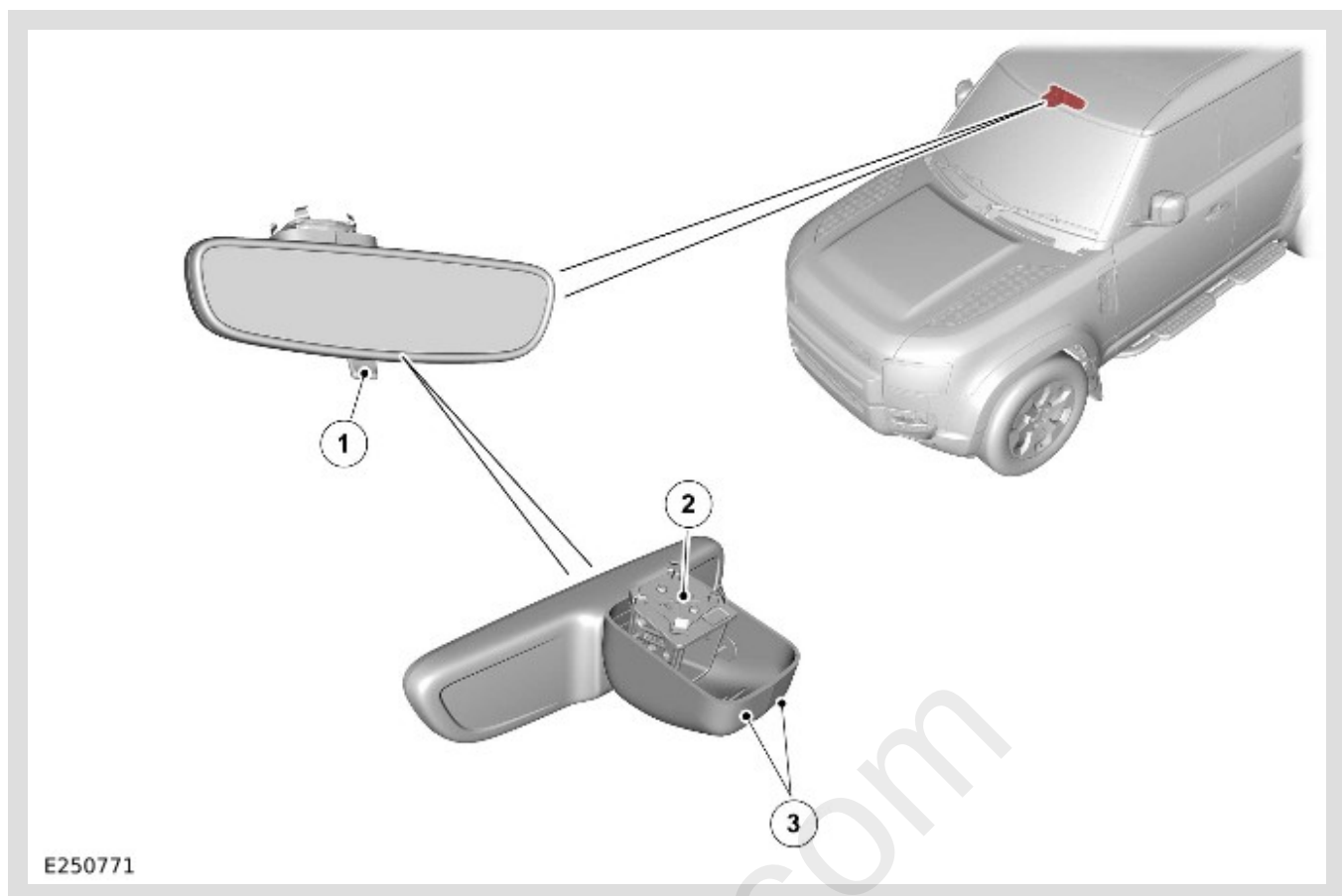
The RVM consists of RVM glass in a housing that connects to a mounting bracket by a ball joint. The mounting bracket is attached to the front area of the roof and concealed by 2 covers.

Manual Dimming RVM



NOTE:

Vehicle with 5 doors is shown. Vehicle with 3 doors is similar.



ITEM	DESCRIPTION
1	Lever - Manual dimming
2	Mounting bracket
3	Cover (quantity 2)

Use the lever on the bottom of the RVM body to dim the mirror:

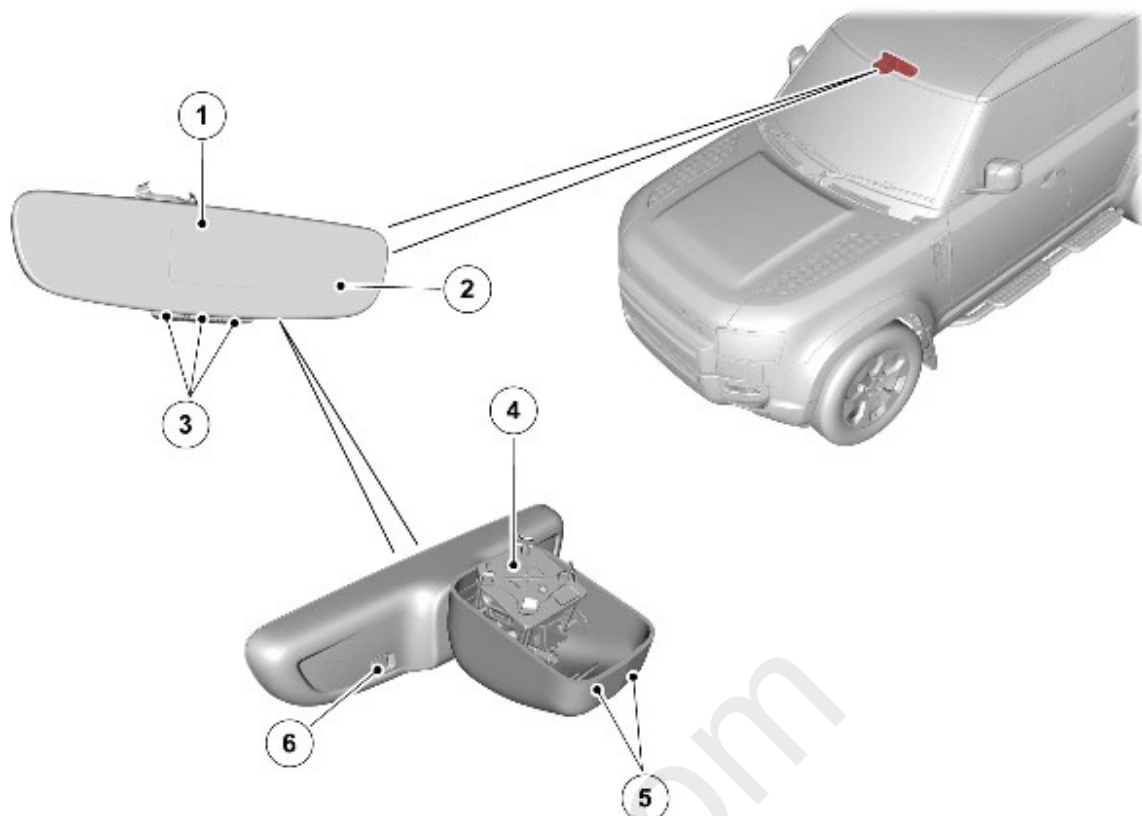
- Push the lever forward to dim the light levels reflected by the RVM.
- Pull the lever back to return the RVM to normal light levels.

Automatic Dimming RVM



NOTE:

Vehicle with 5 doors is shown. Vehicle with 3 doors is similar.



E250772

ITEM	DESCRIPTION
1	Rear light sensor
2	Status indicator for HomeLink® switches (if equipped)
3	HomeLink® switches (if equipped)
4	Mounting bracket
5	Cover (quantity 2)
6	Front light sensor

The automatic dimming RVM comprises an electrochromic glass in a case, attached with a ball joint connector to the mounting bracket. The RVM is attached to the mounting bracket, which is bonded to the front area of the roof.

The RVM glass automatically dims to reduce glare from the headlamps of following vehicles in dark or low light conditions.

The RVM is connected to the vehicle wiring by an electrical connector concealed by covers installed over the mounting bracket. Light sensors on the front and rear of the RVM provide light level inputs for the automatic dimming function.

Depending on vehicle specification, the RVM incorporates a HomeLink® which has operation switches on the bottom. The HomeLink® also has a Light Emitting Diode (LED) status indicator on the RVM above the switches. The HomeLink® status indicator illuminates when HomeLink® transmits.

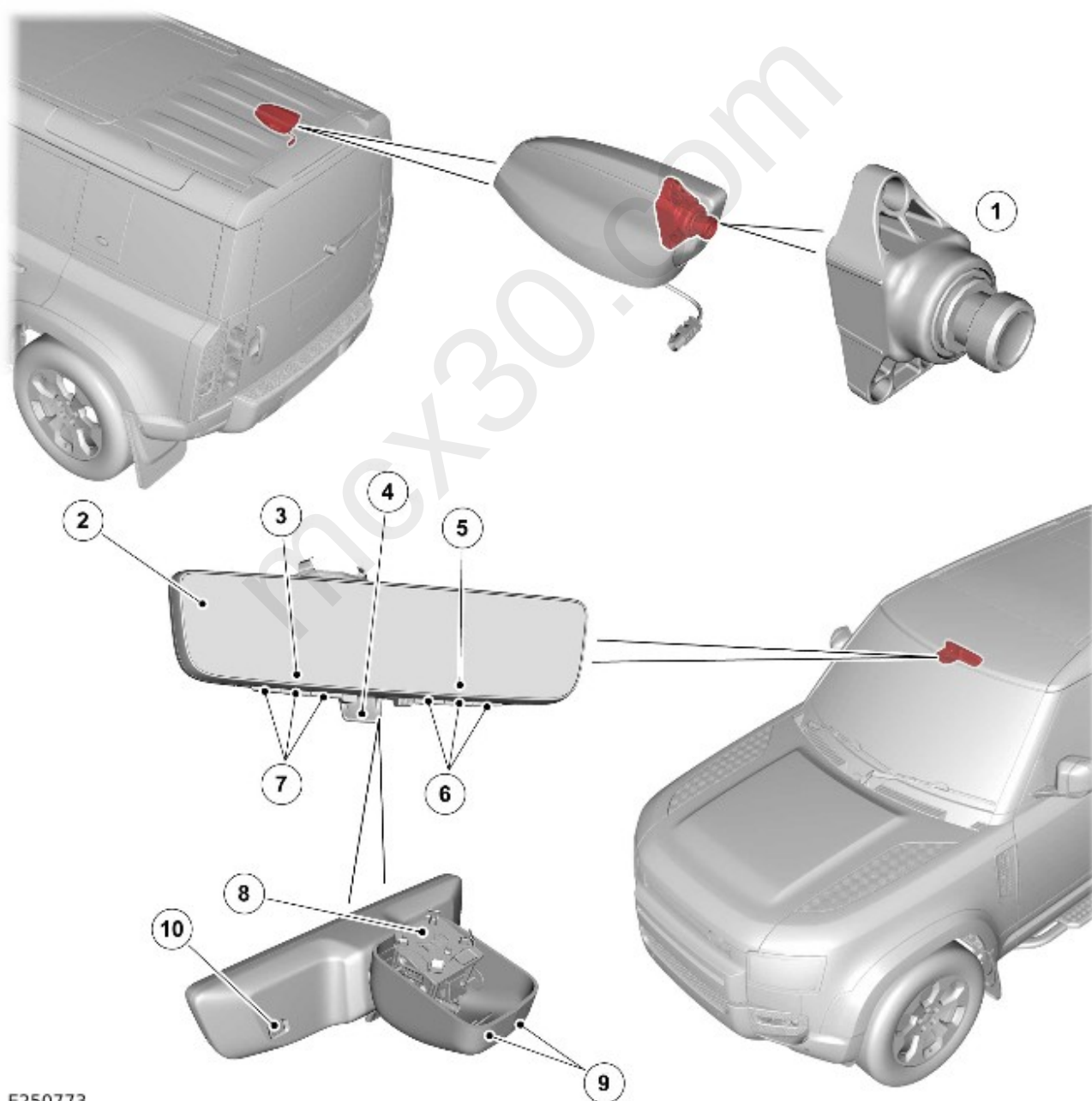
The HomeLink® system can operate up to 3 home or other compliant remotely operated systems, replacing the individual hand held transmitters required for each system.

The RVM has a switched power supply from the Passenger Junction Box (PJB).

CLEAR SIGHT RVM

NOTE:

Vehicle with 5 doors is shown. Vehicle with 3 doors is similar.



E250773

ITEM	DESCRIPTION
1	Clear sight RVM camera
2	Status indicator for the clear sight RVM camera mode
3	Status indicator for HomeLink® switches (if equipped)
4	Mode switch
5	Rear light sensor
6	LCD setting switches (brightness and vertical)
7	HomeLink® switches (if equipped)
8	Mounting bracket
9	Cover (quantity 2)
10	Front light sensor

The clear sight RVM combines a wide angle camera with a LCD integrated into an automatic dimming RVM. The clear sight RVM is attached to the mounting bracket, which is bonded to the front area of the roof. The clear sight RVM camera is located in the roof pod.



NOTE:

Do not take the clear sight RVM camera apart from the roof pod, the clear sight RVM camera is NOT serviceable.

The clear sight RVM has 2 modes, switched by the clear sight RVM mode switch at the bottom of the clear sight RVM:

- Clear sight RVM camera mode (wide angle camera view mode) - Pull towards passenger or driver
- Conventional RVM mode - Push forward.

When the clear sight RVM camera mode is ON, the conditions behind the vehicle are visible on the LCD through the wide angle camera.

In the clear sight RVM camera mode, it is possible to adjust the following settings:

- Brightness
- Vertical adjustment.

The clear sight RVM glass automatically dims to reduce glare from the headlamps of vehicles behind. The clear sight RVM is connected to the vehicle wiring by an electrical connector concealed by covers installed over the mounting bracket. Light sensors on the front and rear of the clear sight RVM provide light level inputs for the automatic dimming function.

Depending on vehicle specification, the clear sight RVM incorporates a HomeLink® which has operation switches on the bottom. The HomeLink® also has a LED status indicator on the clear sight RVM above the switches. The HomeLink® status indicator illuminates when HomeLink® transmits.

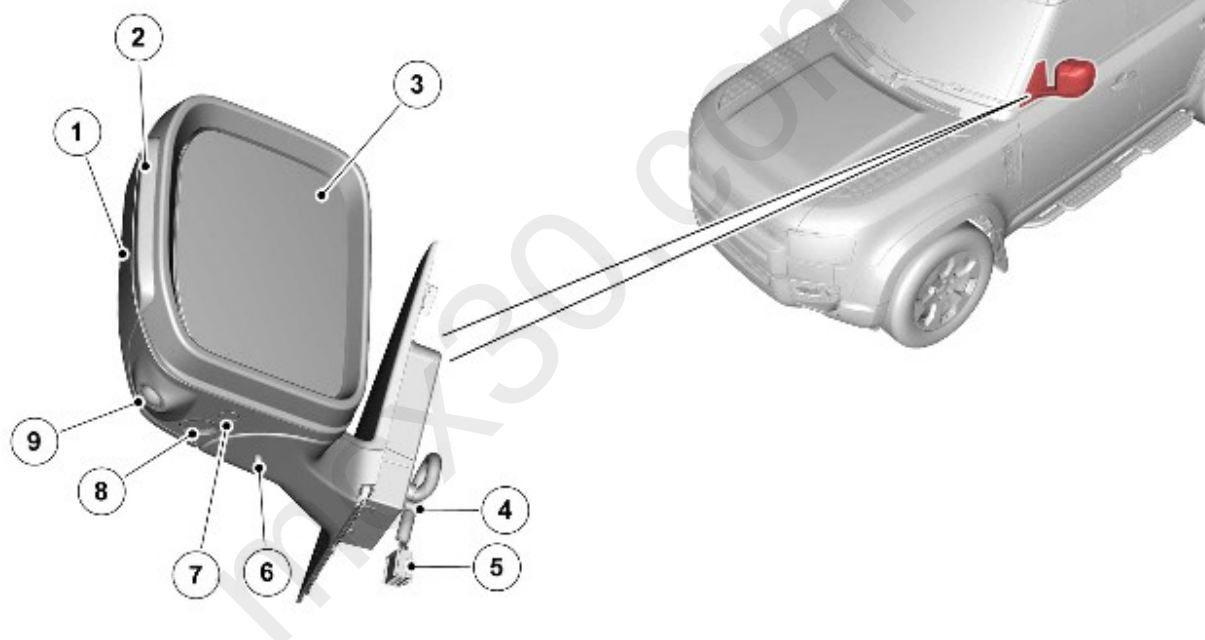
The HomeLink® system can operate up to 3 home or other compliant remotely operated systems, replacing the individual hand held transmitters required for each system.

The clear sight RVM has a switched power supply from the PJB.

DOOR MIRRORS

NOTE:

Vehicle with 5 doors is shown. Vehicle with 3 doors is similar.



E250774

ITEM	DESCRIPTION
1	Door mirror cover
2	Side repeater lamp
3	Door mirror glass
4	Proximity camera wiring harness connector (if equipped)
5	Door mirror wiring harness connector
6	AAT sensor

ITEM	DESCRIPTION
7	Approach lamp (if equipped)
8	Wade sensor (if equipped)
9	Proximity camera (if equipped)

The door mirrors attach to the front door structure and connect to the door wiring harness.

The door mirror heating is provided by heater elements bonded to the back of the door mirror glass. The respective door modules control the power supply to the heater elements, in response to signals from the Body Control Module (BCM)/ Gateway Control Module (GWM).

The door mirrors with the power fold feature incorporate a foldback motor in the hinge. Operation of the foldback motor is controlled by 1 of the following:

- The respective door modules in response to signals from the driver door switchpack.
- The lock/unlock switches on the smart key.

Power fold operation is inhibited at speeds more than 112 km/h (70 mph). The door mirrors fold forward or backward on impact.



NOTE:

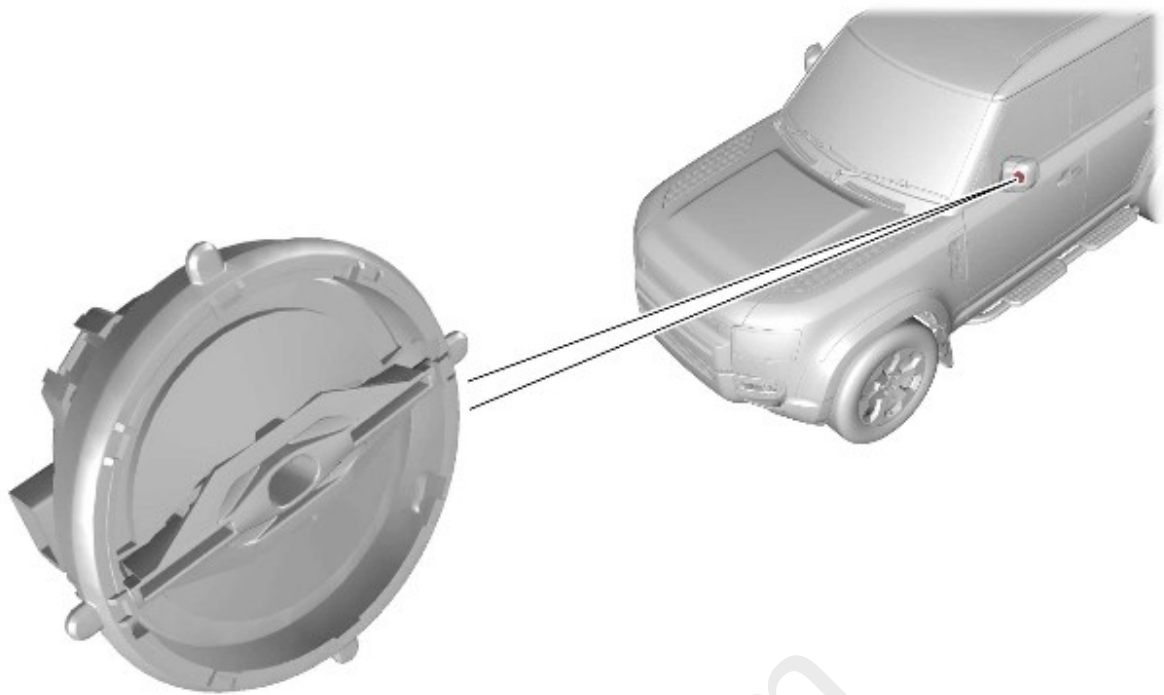
When the AAT sensor is disconnected, the AAT sensor needs to be reset to the ambient temperature. The detail appears in the diagnostic and testing documentation.

Door mirror motor assembly



NOTE:

Vehicle with 5 doors is shown. Vehicle with 3 doors is similar.



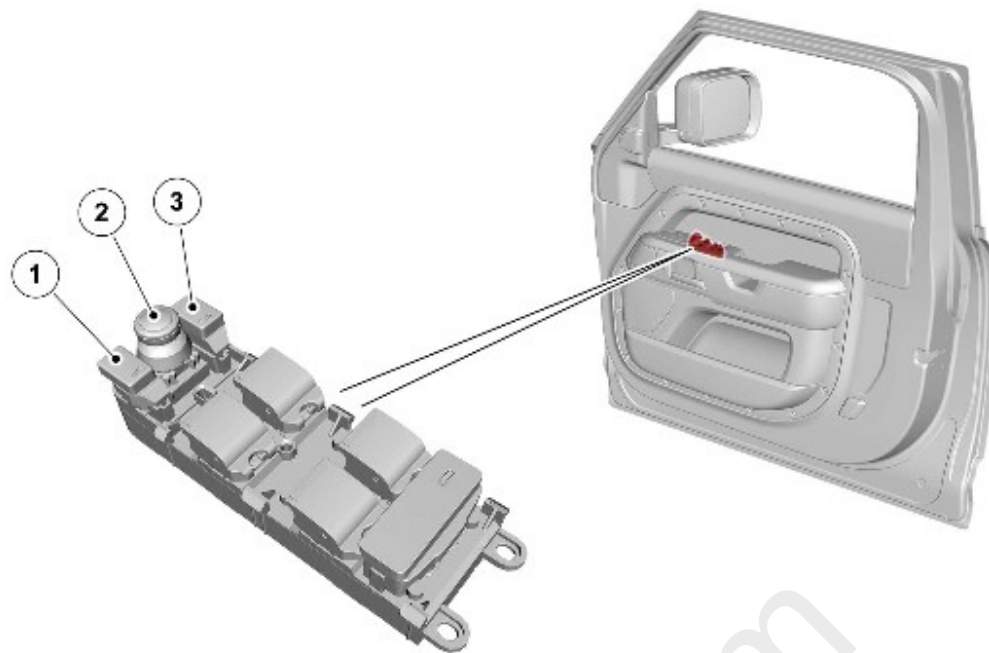
E250775

The door mirror glass is clipped to the door mirror motor. The door mirror motor is screwed and clipped to the door mirror head. The door mirror motor assembly contains 2 adjustment motors for the door mirror glass. There is 1 motor for the horizontal (left/right) adjustment and 1 motor for the vertical (up/down) adjustment. Power to the motors is controlled by the respective door modules in response to signals from the driver door switchpack. On vehicles with memory recall, the door mirror motor assemblies incorporate horizontal and vertical position sensors.

DOOR MIRROR SWITCHES

NOTE:

RHD vehicle is shown. LHD vehicle is similar.



E250776

ITEM	DESCRIPTION
1	Passenger door mirror switch
2	Door mirror adjustment switch
3	Driver door mirror switch

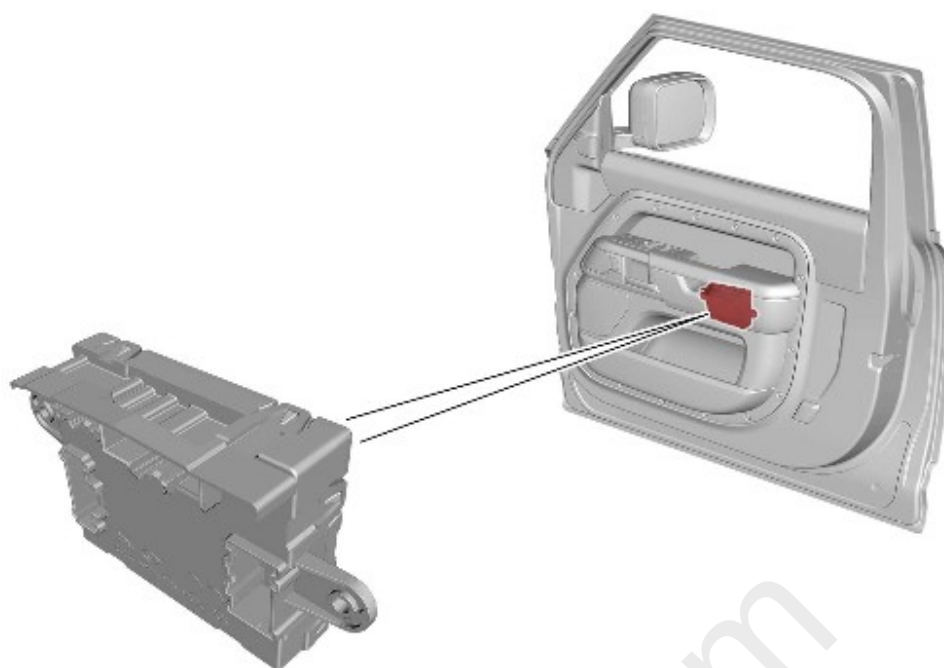
The door mirror switches and door mirror adjustment switch are incorporated into the driver door switchpack in the door trim panel. The voltage to the door mirror power fold motors disconnects after 5 minutes when in Power Mode 4 (accessory (vehicle unlocked and Smart Key present)). The supply disconnects when the driver door is opened.

FRONT DOOR MODULES



NOTES:

- RHD vehicle is shown. LHD vehicle is similar.
- The DDM is shown. The PDM is similar.



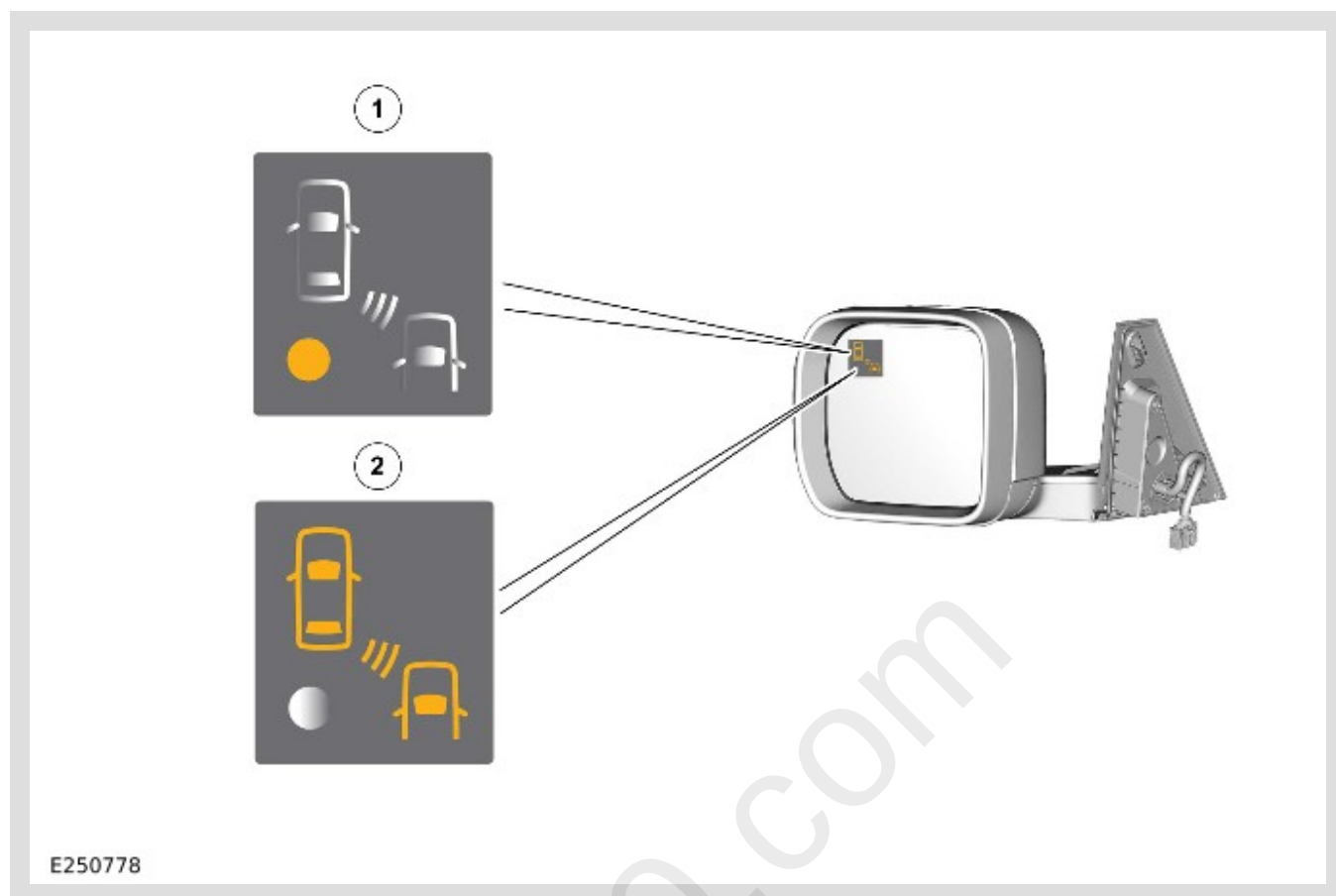
E250777

Each front door module is attached to the closing panel in the related door and connected to the door wiring harness.

The DDM and the PDM interpret the signals from the following into appropriate outputs for the related door mirrors:

- BCM/ GWM
- Driver door switchpack.

BSM SYSTEM (IF EQUIPPED)



ITEM	DESCRIPTION
1	System status warning indicator
2	Warning alert icon

The BSM system is a feature which helps the driver safely crossover in moving traffic.

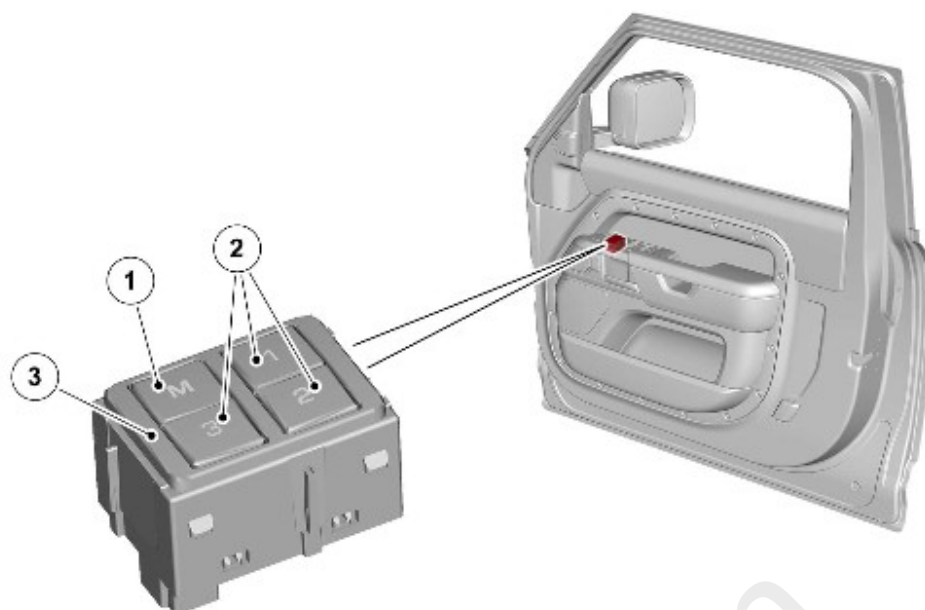
The BSM system alerts the driver to a vehicle located in the vehicle blind spot. A warning indicator is located in each door mirror towards the outer edge.

For additional information, refer to: [Warning Devices](#) (413-09 Warning Devices, Description and Operation).

DRIVER SEAT MEMORY SWITCHPACK (IF EQUIPPED)

NOTE:

RHD vehicle is shown. LHD vehicle is similar.



E250779

ITEM	DESCRIPTION
1	Seat memory switchpack store switch
2	Seat memory switchpack preset switches
3	Driver seat memory switchpack

The driver seat memory switchpack is located in the driver door trim panel. The seat memory switchpack switches form a resistive ladder and connect to the DDM through the Local Interconnect Network (LIN). The outputs from the switchpack are converted to the High Speed (HS) Controller Area Network (CAN) body systems bus messages by the DDM.

The DDM transmits the messages to the following:

- The PDM, to operate the door mirror memory functions.
- The Seat Module - Driver/Passenger/Rear - Left/Right (DSM), to operate the driver seat memory functions.
 - For additional information, refer to: [Seats - \[+\] 5 Seat Configuration](#) (501-10 Seating, Description and Operation).
 - For additional information, refer to: [Seats - \[+\] 6 Seat Configuration](#) (501-10 Seating, Description and Operation).
 - For additional information, refer to: [Seats - \[+\] 7 Seat Configuration](#) (501-10 Seating, Description and Operation).

DOOR MIRROR ADJUSTMENT

Door mirror adjustment is enabled:

- In Power Mode 6 (ignition ON).
- For up to 5 minutes after Power Mode 4 (accessory (vehicle unlocked and Smart Key present)).

When the driver door or passenger door mirror switch is pressed, the LED in the switch illuminates. The door mirror adjustment switch can be used to move the door mirror glass of the related door mirror. The driver door switchpack interprets the door mirror adjustment switch movement and transmits it to the DDM on the LIN. The DDM transmits the signals for the passenger door mirror to the PDM. The DDM communicates with the PDM on the HS CAN body systems bus.

On receipt of an adjustment signal, the door module connects a power supply and ground to the relevant adjustment motor to move the door mirror glass. When the door mirror adjustment switch is tilted in the opposite direction, the door module reverses the polarity of the adjustment motor. The mirror glass moves in the opposite direction.

REVERSE DIPPING (IF EQUIPPED)

Reverse dipping is only available on vehicles with seat memory switchpack. Reverse dipping can be enabled and disabled in the vehicle set-up section of the vehicle information and settings menu. When in Power Mode 6 (ignition ON) and REVERSE is selected, reverse dipping is enabled. The door mirrors automatically dip to provide a better view of the curbside.

The door mirrors return to its original position immediately when:

- REVERSE is disengaged.
- The vehicle speed is more than 12 km/h (7 mph) in REVERSE.

The dipped position of the door mirrors is stored in the BCM/ GWM. The BCM/ GWM signals the door modules on the HS CAN body systems bus. The signals move the door mirror glass into and out of the dipped position.

The Transmission Control Module (TCM) transmits the REVERSE signal to the BCM/ GWM through the FlexRay.

The dipped door mirror position can be adjusted using the mirror switches when in Power Mode 6 (ignition ON) and REVERSE is selected. The last adjusted position is stored automatically when REVERSE is disengaged.

The REVERSE must be selected for approximately 0.5 second before the door mirrors move to the dipped position. The time delay prevents nuisance movement of the door mirror when the transmission selection moves between PARK and DRIVE.

DOOR MIRROR HEATING

There are 2 modes of heated door mirror operation, manual and automatic.

Manual operation

To activate the door mirror heating manually, operate the heated rear window switch. When the switch is pressed, the LED in the switch illuminates and the door mirror heater element is energized.

Manual operation is discontinued, for example:

- When the heated rear window switch is pressed a second time, between 5 and 21 minutes have elapsed (dependent on AAT).
- When the engine stops.

Automatic operation

Automatic operation is initiated when low AATs are experienced. The BCM/ GWM receives the AAT value from the Powertrain Control Module (PCM) on the FlexRay. The BCM/ GWM converts the AAT value to an ON time percentage. The BCM/ GWM transmits it to the door modules on the HS CAN body systems bus. The door modules then energize the door mirror heating elements. The ON time percentage is increased while the windshield wipers are switched ON.

Automatic operation can be enabled and disabled using the Jaguar Land Rover (JLR) approved diagnostic equipment.

AAT	LESS THAN -10°C (LESS THAN 14°F)	-10°C TO 0°C (14°F TO 32°F)	0°C TO 15°C (32°F TO 59°F)	15°C TO 25°C (59°F TO 77°F)	25°C TO 35°C (77°F TO 95°F)	MORE THAN 35°C (MORE THAN 95°F)
ON time percentage	100%	75%	50%	25%	0%	0%
ON time percentage with wipers ON	100%	100%	75%	50%	25%	0%

DOOR MIRROR POWER FOLD (IF EQUIPPED)

To activate the door mirror power fold function, press the left and right mirror switches at the same time to fold the door mirrors. Pressing both of the switches again unfolds the door mirrors. Operation of door mirror foldback is inhibited at speeds of more than 112 km/h (70 mph). When the door mirrors are accidentally knocked out of synchronization, press both of the switches again to re-synchronize them.

Automatic operation can be enabled and disabled using the JLR approved diagnostic equipment. When automatic operation is enabled, the door mirrors automatically fold and unfold when the vehicle is locked and unlocked using the smart key. However, when the door mirrors are folded using the door mirror switches, they do not automatically unfold when the vehicle is unlocked.

In garage mode, the mirrors also do not automatically unfold when the vehicle is unlocked. The purpose is to prevent the mirrors being damaged when unfolding in a tight garage spot. The mirrors automatically unfold unless the vehicle speed is more than 40 km/h (25 mph).

MEMORY RECALL (IF EQUIPPED)

On the driver side, the DSM can memorize up to 3 different positions for the driver seat and the door mirrors. The purpose is to enable 3 different drivers to achieve their optimum driving position.

When a position is stored or recalled for channels 1 to 3:

- 1** The DDM transmits the information to the BCM/ GWM. The DDM communicates with the BCM/ GWM through the HS CAN body systems bus.
- 2** The signal is relayed to the DSM.

Each door module evaluates the recall or storage command and does the necessary adjustments to the door mirrors. When a manual door mirror adjustment is selected while a memory recall is operating, it overrides the memory recall movement.

For memory recall operation, the door mirror adjustment potentiometers must deliver a voltage value in the range of 80mV - 4.8V. When the voltage is outside of this range the door mirrors do not operate when memory is selected.

AUTOMATIC DIMMING RVM (IF EQUIPPED)

Power for the feature(s) in the RVM is provided by an ignition feed from the PJB. The light sensor in the front of the RVM monitors ambient light at the front of the vehicle. The light sensor in the rear of the RVM monitors the light coming from behind the vehicle. When the light from behind the vehicle is more than the ambient light level, the automatic dimming circuits darken the RVM glass.

Automatic dimming is inhibited when REVERSE is selected, to provide the driver with maximum vision.

The REVERSE signal for the BCM/ GWM is provided by the TCM through the FlexRay.

The BCM/ GWM then provides a hardwired signal to the RVM.

CLEAR SIGHT RVM (IF EQUIPPED)

The clear sight RVM provides the driver with a clear rear view from a camera located in the roof pod. Power for the feature(s) in the clear sight RVM is provided by an ignition feed from the PJB.

How to select the mode of the clear sight RVM

With Power Mode 6 (ignition ON), pull the clear sight RVM mode switch backward to select the clear sight RVM camera mode. Push the clear sight RVM mode switch forward to select conventional RVM mode.

Each time the clear sight RVM setting switch is pressed in the clear sight RVM camera mode, you can adjust the settings:

- Brightness

- Vertical adjustment.

Adjustment in the LCD:

- Brightness: Press the up/down switch to dim/brighten the LCD.
- Vertical: Press the up/down switch to change the vertical up/down camera angle of the LCD.

Automatic dimming

In either of the modes, the clear sight RVM has an automatic dimming function.

The light sensor in the front of the clear sight RVM monitors the ambient light at the front of the vehicle. The light sensor in the rear of the clear sight RVM monitors the light coming from behind the vehicle. When the light from behind the vehicle exceeds the ambient light level, the automatic dimming circuits darken the LCD.

Automatic dimming is inhibited when REVERSE is selected, to provide the driver with maximum vision.

The REVERSE signal for the BCM/ GWM is provided by the TCM through the FlexRay.

The BCM/ GWM then provides a hardwired signal to the clear sight RVM.

AUTOMATIC DIMMING DOOR MIRROR (IF EQUIPPED)



NOTE:

The electrochromic elements in the door mirror work on 1.5V. The electrochromic glass cell fails when the voltage is more than 1.5V.

The door mirrors with automatic dimming are slaved to the RVM or the clear sight RVM. The RVM or the clear sight RVM determines the amount of dimming required and energizes the electrochromic elements in the door mirrors accordingly. Power supply and ground connections for the electrochromic elements are provided by the RVM or the clear sight RVM directly through hardwired connection.

HOMELINK® (IF EQUIPPED)

The HomeLink® wireless control system provides a convenient way to replace up to 3 handheld Radio Frequency (RF) transmitters used to activate devices, for example:

- Gate operators
- Garage door openers
- Entry door locks
- Security systems
- Home lighting
- Other HomeLink® operated remote devices.





WARNINGS:

- Do not use HomeLink® with any garage door opener that lacks safety stop and reverse features as required by safety standards.
- Before programming HomeLink® to a garage door opener or gate operator, make sure that people and objects are out of the way of the device. Potential harm or damage may occur when the gate or garage door activates during programming. When programming a garage door opener, it is advised to park outside of the garage.



NOTE:

Please note that the instructions below apply to the majority of HomeLink® use cases. However, there are some HomeLink® applications or HomeLink® compatible systems that require slightly different instructions. For more information and for custom training instructions specific to your device, visit <http://www.HomeLink.com/landrover>.

Programming HomeLink®:



NOTES:

- It is recommended that you put a new battery in the handheld transmitter of the device being programmed to HomeLink®. The purpose is to get quicker training and accurate transmission of the RF signal.
- Garage door openers manufactured after 1995 may be equipped with rolling code protection. In this case, you may need a stepladder or other sturdy, safe device to reach the 'Learn' or 'Smart' switch on the garage door opener.

- 1 With Power Mode 6 (ignition ON), press the HomeLink® switch that you want to program. The HomeLink® status indicator flashes orange slowly (do not continue to press the HomeLink® switch).
- 2 Position the end of your handheld transmitter 2 - 8 cm (1 - 3 inches) away from the HomeLink® switch. Keep the HomeLink® status indicator in view.

3



NOTE:

Some devices may require you to replace this programming Step 3 with procedures noted in the 'Gate Operator/Canadian Programming' section. When the HomeLink® status indicator does not change to rapidly flashing green or continuously lit green after executing these steps, contact HomeLink® at www.homelink.com.

Press and hold the handheld transmitter switch. The HomeLink® status indicator changes to either rapidly flashing green (rolling code) or continuously lit green (fixed code). Now release the handheld transmitter switch.

- 4 Firmly press and release the programmed HomeLink® switch up to 3 separate times to activate the device. When the device activates, programming is complete. When the device does not activate, continue with 'Programming' Steps 5 - 7.
- 5 At the garage door opener receiver (motor-head unit) in the garage, locate the 'Learn' or 'Smart' switch.

- 6 Firmly press and release the 'Learn' or 'Smart' switch. (The name and color of the switch may vary by manufacturer.) **There are typically 30 seconds to initiate Step 7.**
- 7 Return to the vehicle. Firmly press and release the programmed HomeLink® switch up to 3 separate times to activate the device. When the device activates, programming is complete.

Garage door opener receiver



NOTE:

The garage door opener receiver (motor-head unit) may vary by manufacturer. The 'Learn' or 'Smart' switch can usually be found directly on the motor-head unit (see the 'Garage Door Opener' manual to identify the 'Learn switch').

Gate operator/Canadian programming (Canadian market only)

Canadian RF laws require transmitter signals to time out (or quit) after several seconds of transmission. The time may not be long enough for HomeLink® to pick up the signal during programming. Similar to this Canadian law, some U.S. gate operators are also designed to time out.

When you live in Canada or you have difficulties programming a gate operator or garage door opener, replace 'Programming HomeLink®' Step 3 with the following:

NOTE:

Do not plug the garage door opener receiver during the 'cycling' process to prevent possible overheating when programming a garage door opener or gate operator.

- Continue to press and hold the HomeLink® switch while you press and release. Every 2 seconds ('cycle') your handheld transmitter until the HomeLink® status indicator changes to rapidly flashing green (rolling code) or continuously lit green (fixed code). Now you may release both the HomeLink® and handheld transmitter switches.

- Proceed with 'Programing' Step 4 to complete.

Erasing HomeLink® switches

To erase programming from all the 3 switches (individual switches cannot be erased but can be 'reprogramed' as outlined below), follow these steps:

- 1 Switch the vehicle in Power Mode 6 (ignition ON).

2



NOTE:

Do not hold the HomeLink® switches for longer than 20 seconds.

Press and hold the 2 outer HomeLink® switches until the HomeLink® status indicator changes from continuous orange to rapidly flashing green.

- 3 Release both switches. HomeLink® is now in the train (or learning) mode and can be programed at any time beginning with 'Programing' - Step 1.

Reprogramming a single HomeLink® switch

To program a device to HomeLink® using a HomeLink® switch previously trained (shown by a green HomeLink® status indicator) follow these steps:

- 1 Switch the vehicle in Power Mode 6 (ignition ON).
- 2 Press and hold the desired HomeLink® switch. The HomeLink® status indicator begins to slowly flash orange after 20 seconds.
- 3 Release the HomeLink® switch. Proceed with 'Programing HomeLink®' - Step 3.



NOTE:

When additional programming support is needed, please call the toll-free HomeLink Hotline at 1-800-355-3515.

2-way communication HomeLink® (if equipped)

When vehicles and garage door openers are capable of 2-way communication HomeLink®, the HomeLink® can receive and display 'closing'/'opening' status from your garage door opener.

When 2-way communication programming is successful, the HomeLink® status indicator displays the status of your garage door opener.

The garage door opener status indicator shows the garage door opener status as follows:

- The triangle flashes orange: Garage door opener is in motion to open.
- The inverted triangle flashes orange: Garage door opener is in motion to close.

- The triangle and the inverted triangle flash orange: Garage door opener is out of range or has not finished closing /stopped by something.
- The triangle flashes green: Garage door opener is opened.
- The inverted triangle flashes orange: Garage door opener is closed.

Programing 2-way communication HomeLink® (if equipped)

After programing a new HomeLink® switch, proceed with 'Programing HomeLink®' Step 6 to enable 2-way communication. When the garage door opener status indicator appears on the clear sight RVM when pressing the HomeLink® switch, the programing is complete.

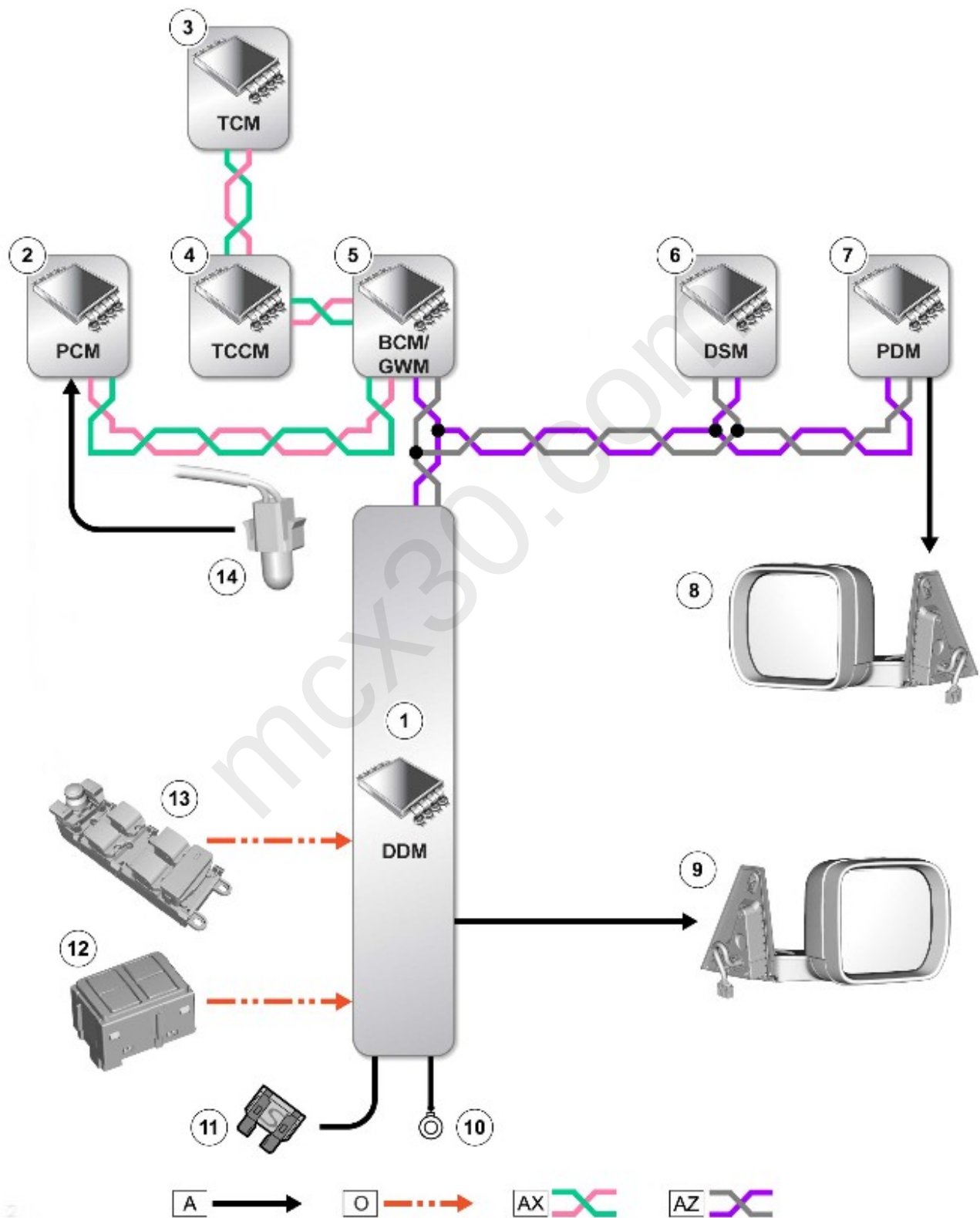
DIAGNOSTICS

The BCM/ GWM records any Diagnostic Trouble Code(s) (DTC)s and related data. Read the DTCs and related data with the JLR approved diagnostic equipment.

The JLR approved diagnostic equipment can read live data and activate certain components.

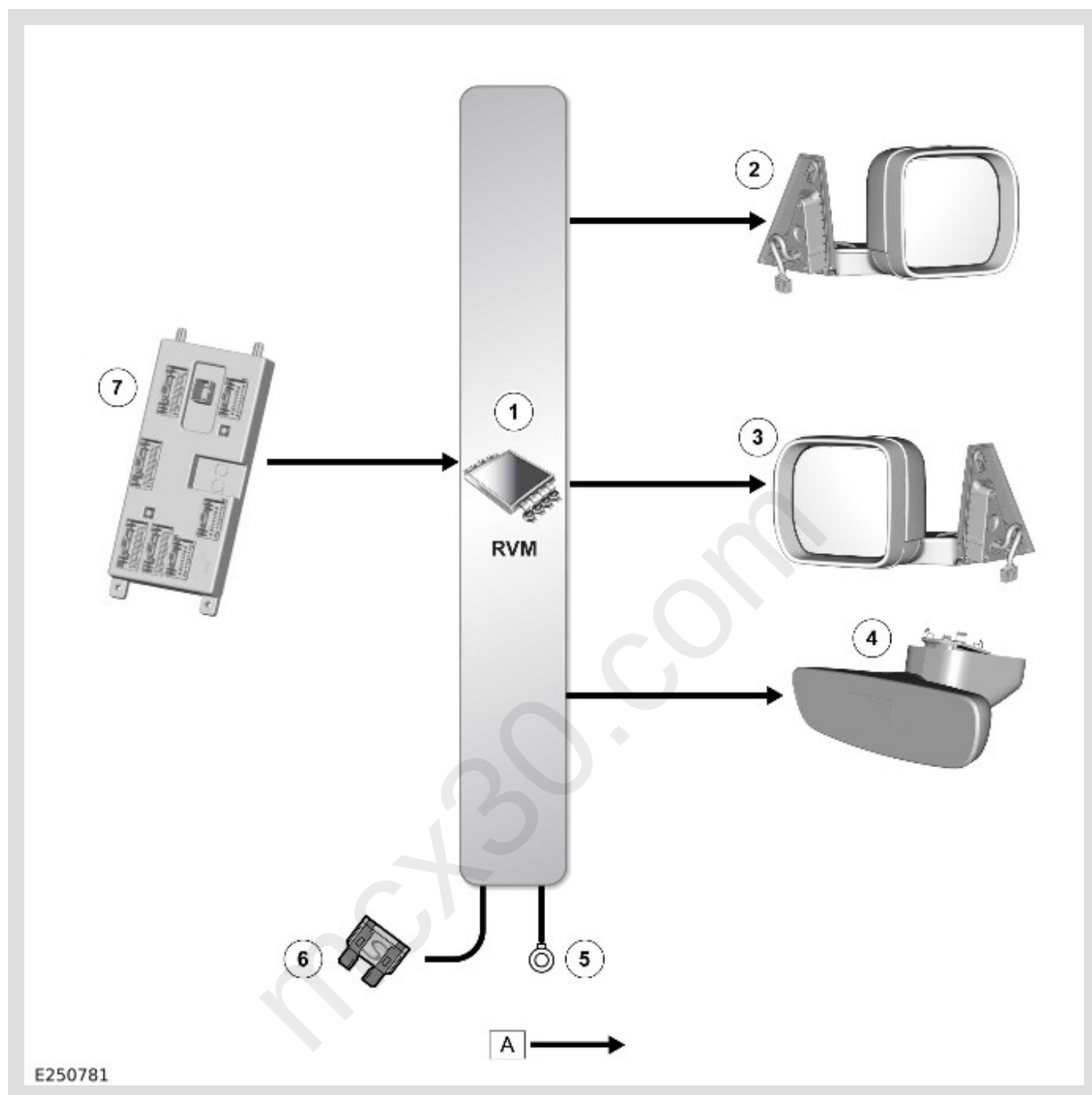
CONTROL DIAGRAM

CONTROL DIAGRAM - 1 OF 3 - DOOR MIRRORS



A = HARDWIRED: O = LIN: AX = FLEXRAY: AZ = HS CAN BODY SYSTEMS BUS.

ITEM	DESCRIPTION
1	DDM
2	PCM
3	TCM
4	Transfer Case Control Module (TCCM)
5	BCM/ GWM
6	DSM
7	PDM
8	Passenger door mirror
9	Driver door mirror
10	Ground
11	Power supply
12	Seat memory switchpack
13	Driver door switchpack
14	AAT sensor

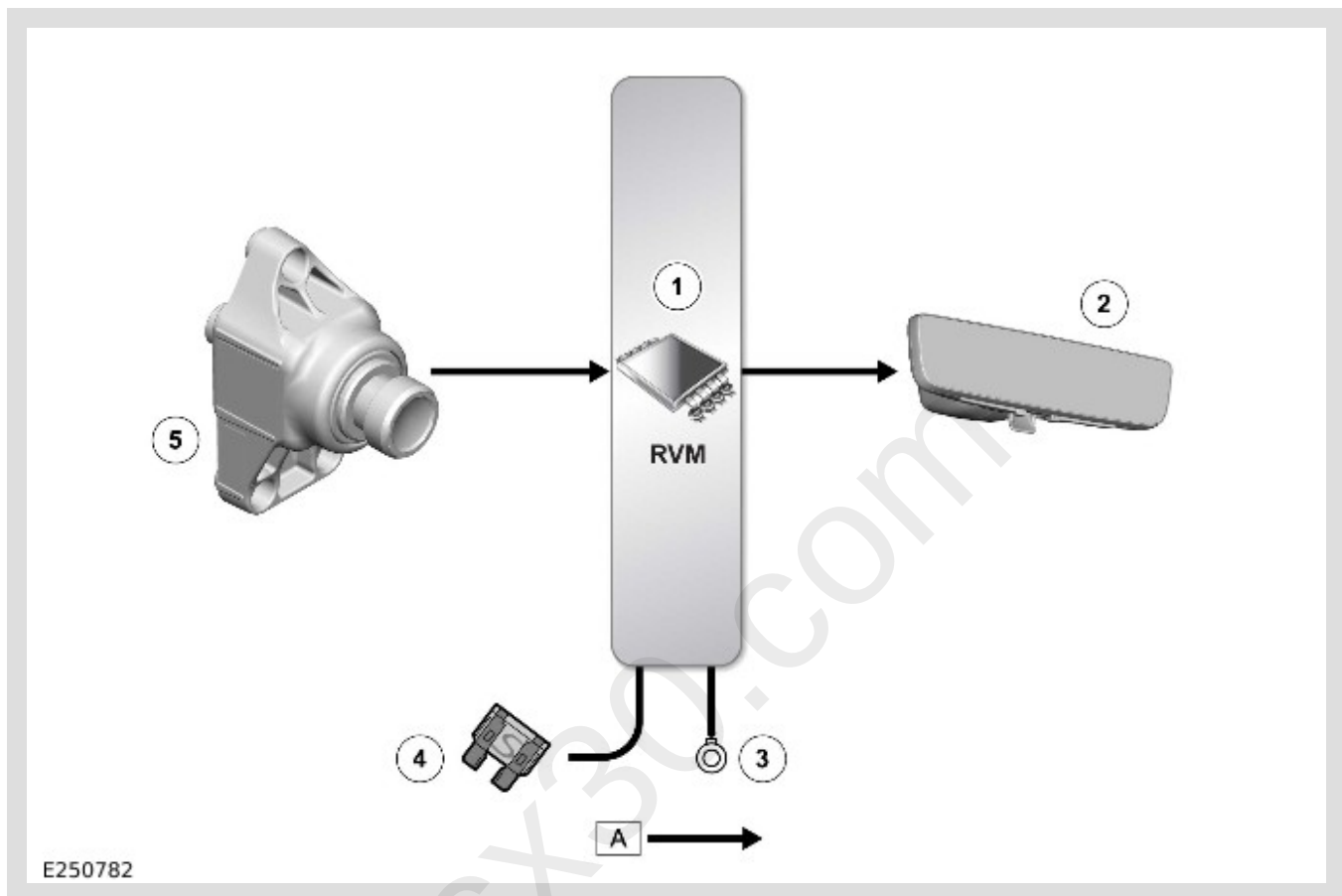


A = HARDWIRED.

ITEM	DESCRIPTION
1	RVM or clear sight RVM (if equipped)
2	Driver door mirror
3	Passenger door mirror
4	RVM glass
5	Ground

ITEM	DESCRIPTION
6	Power supply
7	BCM/ GWM

CONTROL DIAGRAM - 3 OF 3 - CLEAR SIGHT RVM CAMERA



A = HARDWIRED.

ITEM	DESCRIPTION
1	Clear sight RVM
2	Clear sight RVM LCD
3	Ground
4	Power supply
5	Clear sight RVM camera