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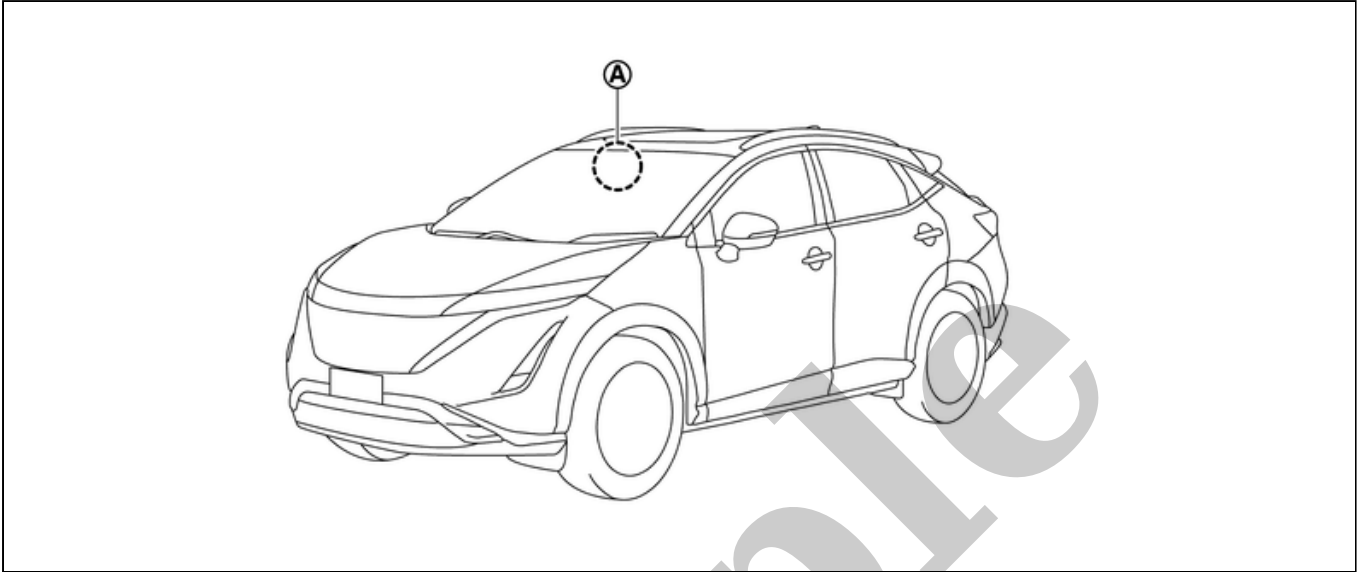
FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2021 NISSAN Navara NP300 Double Cab Service and Repair Manual

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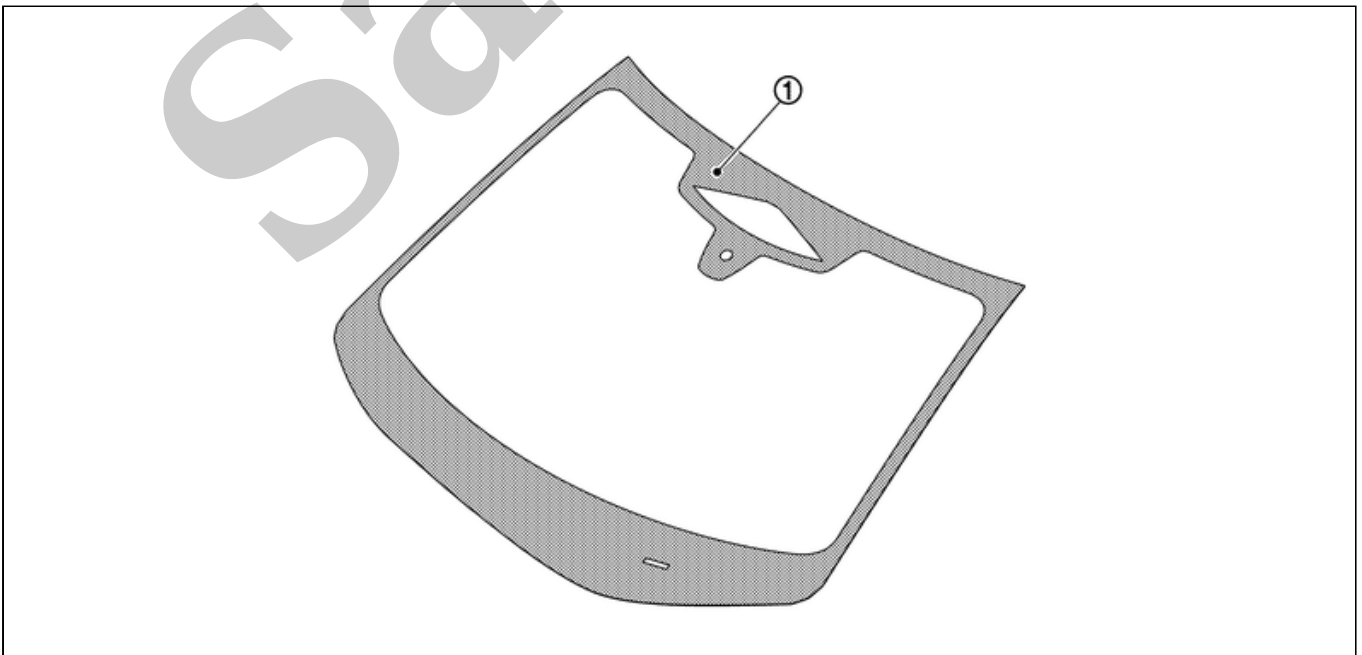
PRECAUTIONS FOR FRONT CAMERA UNIT

- Always keep the windshield clean.
- Do not attach a sticker (including transparent material) or install an accessory near the front camera unit (A).



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- Do not place reflective materials, such as white paper or a mirror, on the instrument panel. The reflection of sunlight may adversely affect the front camera unit's capability of detecting the lane markers.
- Do not strike or damage the areas around the front camera unit.
- Do not touch the camera lens or remove the screw located on the front camera unit.
- Replace the windshield glass for operating the system normally, when there is a scratch on the area within the lines extended from notch of windshield upper portion.



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PRECAUTIONS FOR LDW

Failure to follow the warnings and instructions for proper use of the LDW system could result in serious injury or death.

- This system is only a warning device to inform the driver of a potential unintended lane departure. It does not steer the vehicle or prevent loss of control. It is the driver's responsibility to stay alert, drive safely, keep the vehicle in the traveling lane, and be in control of the vehicle at all times.

Listed below are the system limitations for the LDW system. Failure to follow the warnings and instructions for proper use of the LDW system could result in serious injury or death.

- The system does not operate at speeds below approximately 60 km/h (37 MPH) or if it cannot detect lane markers.
- Do not use the LDW system under the following conditions as it may not function properly:
 - During bad weather (rain, fog, snow, etc.).
 - When driving on slippery roads, such as on ice or snow.
 - When driving on winding or uneven roads.
 - When there is a lane closure due to road repairs.
 - When driving in a makeshift or temporary lane.
 - When driving on roads where the lane width is too narrow.
 - When driving without normal tire conditions (for example, tire wear, low tire pressure, installation of tire chains or non-standard wheels).
 - When the vehicle is equipped with non-original brake parts or suspension parts.
 - When towing a trailer or other vehicle (AWD models).
- The system may not function properly under the following conditions:
 - On roads where there are multiple parallel lane markers; lane markers that are faded or not painted clearly; yellow painted lane markers; nonstandard lane markers; or lane markers covered with water, dirt, snow, etc.
 - On roads where discontinued lane markers are still detectable.
 - On roads where there are sharp curves.
 - On roads where there are sharply contrasting objects, such as shadows, snow, water, wheel ruts, seams or lines remaining after road repairs. (The LDW system could detect these items as lane markers.)
 - On roads where the traveling lane merges or separates.
 - When the vehicle's traveling direction does not align with the lane marker.
 - When traveling close to the vehicle ahead, which obstructs the front camera unit detection range.
 - When rain, snow, dirt or object adheres to the windshield in front of the front camera unit.
 - When the headlights are not bright due to dirt on the lens or if the aiming is not adjusted properly.
 - When strong light enters the front camera unit. (For example, the light directly shines on the front of the vehicle at sunrise or sunset.)
 - When a sudden change in brightness occurs. (For example, when the vehicle enters or exits a tunnel or under a bridge.)
- Steering wheel vibration may not be felt depending on the road surface conditions.

PRECAUTIONS FOR FRONT CAMERA UNIT

Refer to [Precautions for Lane Departure Warning](#).

PRECAUTIONS FOR I-LI

Failure to follow the warnings and instructions for proper use of the I-LI system could result in serious injury or death.

- The I-LI system does not steer the vehicle or prevent loss of control. It is the driver's responsibility to stay alert, drive safely, keep the vehicle in the traveling lane, and be in control of the vehicle at all times.
- The I-LI system is primarily intended for use on well-developed freeways or highways. It may not detect the lane markers in certain road, weather, or driving conditions.

Listed below are the system limitations for the I-LI system. Failure to follow the warnings and instructions for proper use of the I-LI system could result in serious injury or death.

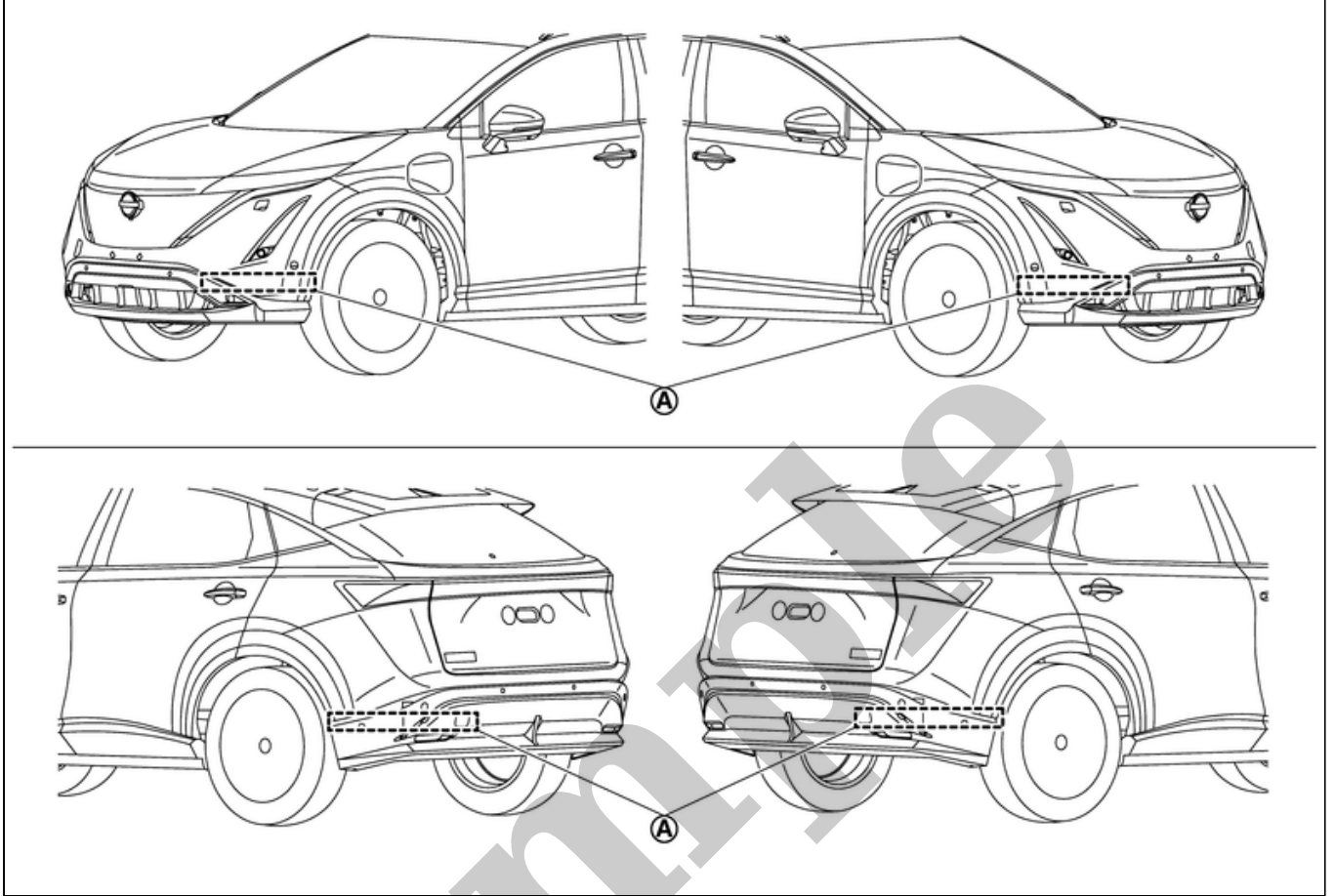
- The I-LI system may activate if the driver changes lanes without first activating the turn signal or, for example, if a construction zone directs traffic to cross an existing lane marker. If this occurs the driver may need to apply corrective steering to complete the lane change.
- Because the I-LI may not activate under the road, weather, and lane marker conditions described in this section, it may not activate every time the vehicle begins to leave its lane and the driver needs to apply corrective steering.
- The I-LI system does not operate at speeds below approximately 60 km/h (37 MPH) or if it cannot detect lane markers.
- When the I-LI system is operating, avoid excessive or sudden steering maneuvers. Otherwise, the driver could lose control of the vehicle.
- Do not use the I-LI system under the following conditions as it may not function properly:
 - During bad weather (rain, fog, snow, etc.).
 - When driving on slippery roads, such as on ice or snow.
 - When driving on winding or uneven roads.
 - When there is a lane closure due to road repairs.
 - When driving in a makeshift or temporary lane.
 - When driving on roads where the lane width is too narrow.
 - When driving without normal tire conditions (for example, tire wear, low tire pressure, installation of tire chains or non-standard wheels).
 - When the vehicle is equipped with non-original brake parts or suspension parts.
 - When towing a trailer or other vehicle (AWD models).
 - On roads where there are multiple parallel lane markers; lane markers that are faded or not painted clearly; yellow painted lane markers; nonstandard lane markers; or lane markers covered with water, dirt, snow, etc.
 - On roads where discontinued lane markers are still detectable.
 - On roads where there are sharp curves.
 - On roads where there are sharply contrasting objects, such as shadows, snow, water, wheel ruts, seams or lines remaining after road repairs. (The I-LI system could detect these items as lane markers.)
 - On roads where the traveling lane merges or separates.
 - When the vehicle's traveling direction does not align with the lane marker.
 - When traveling close to the vehicle ahead, which obstructs the front camera unit detection range.

- When rain, snow or dirt adheres to the windshield in front of the front camera unit.
- When the headlights are not bright due to dirt on the lens or if the aiming is not adjusted properly.
- When strong light enters the front camera unit. (For example, the light directly shines on the front of the vehicle at sunrise or sunset.)
- When a sudden change in brightness occurs. (For example, when the vehicle enters or exits a tunnel or under a bridge.)
- Steering wheel vibration may not be felt depending on the road surface conditions.

Sample

PRECAUTIONS FOR SIDE RADAR

- Always keep the area (A) near the side radars clean.



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- Do not attach stickers (including transparent material) or install an accessory near the side radars.
- Do not strike or damage the area around the side radars.

PRECAUTIONS FOR BSW

Failure to follow the warnings and instructions for proper use of the BSW system could result in serious injury or death.

- The BSW system is not a replacement for proper driving procedure and is not designed to prevent contact with vehicles or objects. When changing lanes, always use the side and rear mirrors and turn and look in the direction the vehicle moves to ensure it is safe to change lanes. Never rely solely on the BSW system.

Listed below are the system limitations for the BSW system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death.

- The BSW system cannot detect all vehicles under all conditions.
- The radar sensors may not be able to detect and activate BSW when certain objects are present such as:
 - Pedestrians, bicycles, animals.
 - Vehicles such as motorcycles, low height vehicles, or high ground clearance vehicles.
 - Oncoming vehicles.
 - Vehicles remaining in the detection zone when the driver accelerates from a stop.
 - A vehicle merging into an adjacent lane at a speed approximately the same as the vehicle.
 - A vehicle approaching rapidly from behind.

- A vehicle which own vehicle overtakes rapidly.
- A vehicle that passes through the detection zone quickly.
- When overtaking several vehicles in a row, the vehicles after the first vehicle may not be detected if they are traveling close together.
- The radar sensor's detection zone is designed based on a standard lane width. When driving in a wider lane, the radar sensors may not detect vehicles in an adjacent lane. When driving in a narrow lane, the radar sensors may detect vehicles driving two lanes away.
- The radar sensors are designed to ignore most stationary objects, however objects such as guardrails, walls, foliage and parked vehicles may occasionally be detected. This is a normal operation condition.
- The following conditions may reduce the ability of the radar to detect other vehicles:
 - Severe weather
 - Road spray
 - Ice/frost/dirt build-up on the vehicle
- Do not attach stickers (including transparent material), install accessories or apply additional paint near the radar sensors. These conditions may reduce the ability of the radar to detect other vehicles.
- Excessive noise (for example, audio system volume, open vehicle window) interferes with the chime sound, and it may not be heard.
- If an improper repair is performed on the bumper (for example, application of putty made from different materials, repaint, etc.) the radar signal could be weakened or prevented from functioning properly. This may cause the radar sensor not to detect objects correctly. Improper repair may result in serious personal injury. If it is necessary to repair the bumper, it is recommended own visit a NISSAN certified ARIYA dealer for this service.

PRECAUTIONS FOR SIDE RADAR

Refer to [Precautions for Blind Spot Warning](#).

PRECAUTIONS FOR I-BSI

Failure to follow the warnings and instructions for proper use of the I-BSI system could result in serious injury or death.

- The I-BSI system is not a replacement for proper driving procedures and is not designed to prevent contact with vehicles or objects. When changing lanes, always use the side and rear mirrors and turn and look in the direction the vehicle moves to ensure it is safe to change lanes. Never rely solely on the I-BSI system.
- There is a limitation to the detection capability of the radar. Not every moving object or vehicle is detected. Using the I-BSI system under some road, ground, lane marker, traffic or weather conditions could lead to improper system operation. Always rely on own operation to avoid accidents.

Listed below are the system limitations for the I-BSI system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death.

- The I-BSI system cannot detect all vehicles under all conditions.
- The radar sensors may not be able to detect and activate I-BSI when certain objects are present such as:
 - Pedestrians, bicycles, animals.
 - Vehicles such as motorcycles, low height vehicles, or high ground clearance vehicles.
 - Vehicles remaining in the detection zone when the driver accelerates from a stop.
 - Oncoming vehicles.
 - A vehicle merging into an adjacent lane at a speed approximately the same as the vehicle.
 - A vehicle approaching rapidly from behind.
 - A vehicle which own vehicle overtakes rapidly.
 - A vehicle that passes through the detection zone quickly.
- The radar sensor's detection zone is designed based on a standard lane width. When driving in a wider lane, the radar sensors may not detect vehicles in an adjacent lane. When driving in a narrow lane, the radar sensors may detect vehicles driving two lanes away.
- The radar sensors are designed to ignore most stationary objects, however objects such as guardrails, walls, foliage and parked vehicles may occasionally be detected. This is a normal operation condition.
- The following conditions may reduce the ability of the radar to detect other vehicles:
 - Severe weather
 - Road spray
 - Ice/frost/dirt build-up on the vehicle
- Do not attach stickers (including transparent material), install accessories or apply additional paint near the radar sensors. These conditions may reduce the ability of the radar to detect other vehicles.
- The camera may not detect lane markers in the following situations and the I-BSI system may not operate properly.
 - On roads where there are multiple parallel lane markers; lane markers that are faded or not painted clearly; yellow painted lane markers; nonstandard lane markers; lane markers covered with water, dirt, snow, etc.
 - On roads where discontinued lane markers are still detectable.
 - On roads where there are sharp curves.

- On roads where there are sharply contrasting objects, such as shadows, snow, water, wheel ruts, seams or lines remaining after road repairs.
- On roads where the traveling lane merges or separates.
- When the vehicle's traveling direction does not align with the lane markers.
- When traveling close to the vehicle ahead, which obstructs the front camera unit detection range.
- When rain, snow or dirt adheres to the windshield in front of a front camera unit.
- When the headlights are not bright due to dirt on the lens or if aiming is not adjusted properly.
- When strong light enters a front camera unit. (For example: light directly shines on the front of the vehicle at sunrise or sunset.)
- When a sudden change in brightness occurs. (For example: when the vehicle enters or exits a tunnel or under a bridge.)
- Do not use the I-BSI system under the following conditions because the system may not function properly.
 - During bad weather. (For example: rain, fog, snow, etc.)
 - When driving on slippery roads, such as on ice or snow, etc.
 - When driving on winding or uneven roads.
 - When there is a lane closure due to road repairs.
 - When driving in a makeshift or temporary lane.
 - When driving on roads where the lane width is too narrow.
 - When driving with a tire that is not within normal tire conditions (for example, tire wear, low tire pressure, installation of tire chains or non-standard wheels).
 - When the vehicle is equipped with non-original steering parts or suspension parts.
 - When towing a trailer or other vehicle (AWD models).
- Excessive noise (for example, audio system volume, open vehicle window) interferes with the chime sound, and it may not be heard.
- If an improper repair is performed on the bumper (for example, application of putty made from different materials, repaint, etc.) the radar signal could be weakened or prevented from functioning properly. This may cause the radar sensor not to detect objects correctly. Improper repair may result in serious personal injury. If it is necessary to repair the bumper, it is recommended own visit a NISSAN certified ARIYA dealer for this service.

PRECAUTIONS FOR SIDE RADAR

Refer to [Precautions for Blind Spot Warning](#).

PRECAUTIONS FOR REAR CROSS TRAFFIC ALERT (RCTA)

Failure to follow the warnings and instructions for proper use of the RCTA system could result in serious injury or death.

- The RCTA system is not a replacement for proper driving procedures and is not designed to prevent contact with vehicles or objects. When backing out of a parking space, always use the side and rear mirrors and turn and look in the direction the vehicle moves. Never rely solely on the RCTA system.

Listed below are the system limitations for the RCTA system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death.

- Always check surroundings and turn to check what is behind the vehicle before backing up. The radar sensors detect approaching (moving) vehicles. The radar sensors cannot detect every object such as:
 - Pedestrians, bicycles, motorcycles, animals or child-operated toy vehicles
 - A vehicle that is passing at speeds greater than approximately 30 km/h (19 MPH)
 - A vehicle that is passing at speeds lower than approximately 8 km/h (5 MPH)
- The radar sensors may not detect approaching vehicles in certain situations:
 - When a vehicle parked next to own vehicle obstructs the beam of the radar sensor.
 - When the vehicle is parked in an angled parking space.
 - When the vehicle is parked on inclined ground.
 - When an approaching vehicle turns into own vehicle's parking lot aisle.
 - When the angle formed by own vehicle and approaching vehicle is small.
- The following conditions may reduce the ability of the radar to detect other vehicles:
 - Severe weather
 - Road spray
 - Ice/frost/dirt build-up on the vehicle
- Do not attach stickers (including transparent material), install accessories or apply additional paint near the radar sensors. These conditions may reduce the ability of the radar to detect other vehicles.
- Excessive noise (e.g. audio system volume, open vehicle window) interferes with the chime sound, and it may not be heard.
- If an improper repair is performed on the bumper (for example, application of putty made from different materials, repaint, etc.) the radar signal could be weakened or prevented from functioning properly. This may cause the radar sensor not to detect objects correctly. Improper repair may result in serious personal injury. If it is necessary to repair the bumper, it is recommended own visit a NISSAN certified ARIYA dealer for this service.