

# Door Assist System - Light Applications

The drive system consists of an electronic gear motor, spur gear, and a single arc gear rack that is held together with a gear follower. The unit is typically externally mounted to the door, and actuates between the roof line clevis and gear follower.

- Can operate doors weighing up to 1,000 lb or 454 kg
- Can be used on level ground or up to 17° slope (30% grade)
- Operates up to 50 cycles on a full battery charge
- Opens or closes the door in less than 5 seconds (programmable)
- Can operate in either a powered automatic mode or manually
- Each door operates and is powered independently via a 24 volt power pack, which is charged by the vehicle charging system when running
- Safety tape switches automatically stop the door if something or someone is preventing the door from closing
- Can be disengaged in an emergency by pulling the roof clevis pin from the gear rack



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## CONTROL INTERFACE

- Programmable control box that is potted and environmentally sealed
- Powered by a 24 volt NiCad battery pack that is recharged through the vehicle charging system
- Battery level can be monitored with a push button/LED level indicator
- Door opening actuates by pulling and holding either the inside or outside handle for two seconds; the door automatically opens
- The door closes from the outside by pushing a button located on the control box for two seconds, then letting the door close automatically or holding down until the door is closed
- The inside push button is also a "push to close" switch

## MOTOR SPECIFICATIONS

Motor weight:	20 lb (9 kg) – Gen 2
Motor speed:	70 rpm maximum at 24 volts
Gear ratio:	50:1
Rated torque:	1,050 lb (476 kg)
Rear door maximum opening:	49° (short rack)
Front door maximum opening:	58° (long rack)

## DOOR ASSIST SYSTEM – INSIDE

Motor disengagement lever



## FOR MORE INFORMATION CONTACT:

BAE Systems  
9113 Le Saint Drive  
Fairfield, OH 45014 USA  
Telephone 513-881-9800  
Toll Free 800-697-0307  
Fax 513-881-4850  
Email [ss.support@baesystems.com](mailto:ss.support@baesystems.com)  
[www.baesystems.com/ss](http://www.baesystems.com/ss)

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