

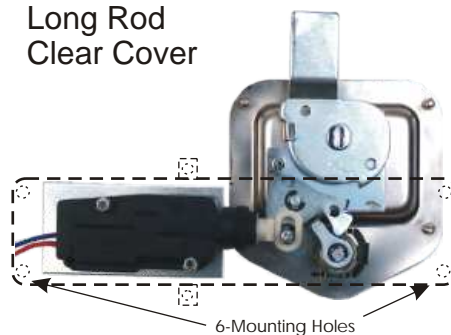


Power lock shown with Tee Handle latch, is HDC's universal Black Act actuator. Works with all power lock capable hardware. Notching of clear cover may be required for some locking orientations.

BASN-LP1B1
 Black Actuator
 Standard Nosepiece
 Standard Linkpin
 Long Rod
 Adhesive Mount Base

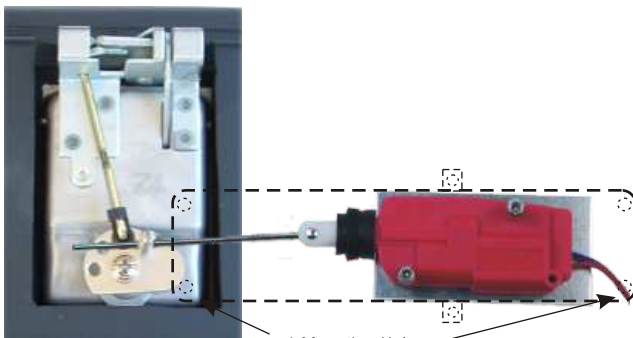
BASN-LP1B2
 Black Actuator
 Standard Nosepiece
 Standard Linkpin
 Long Rod
 Non Adhesive Mount Base

BADN-LP1C2
 Black Actuator
 D-Nose Piece
 Standard Linkpin
 Long Rod
 Clear Cover

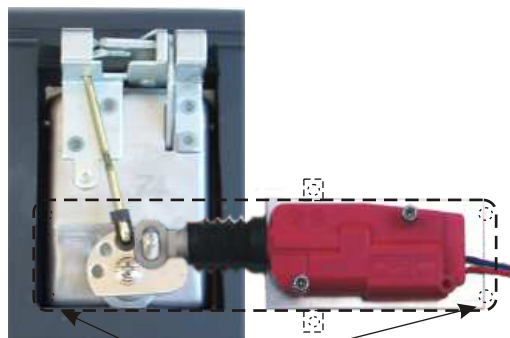


RASN-J1C2
 Red Actuator
 Standard Nose Piece
 J236, Rod, and Linkpin
 Clear Cover-Shown in Outline

RADN-J1C2
 Red Actuator
 D-Nose Piece
 J236, Rod, and Linkpin
 Clear Cover-Shown in Outline



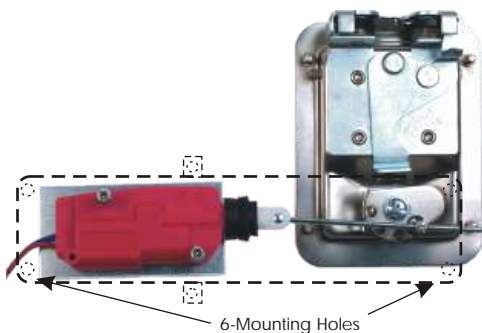
Locked



Unlocked

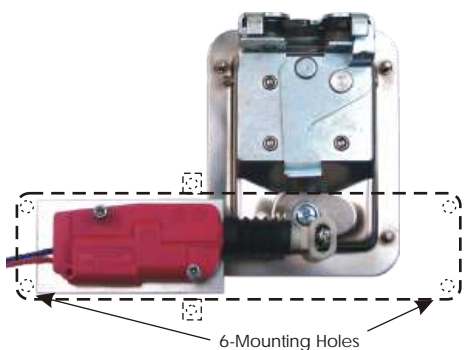


Power lock shown with Paddle Latch and HDC's Red Act actuator. This actuator utilizes a patented detent feature. Notching of clear cover may be required for some locking orientations. holding the lock orientation while the vehicle is in motion.



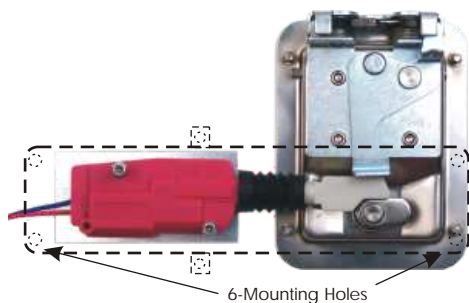
RA-J2B1
 Red Actuator
 Standard Nosepiece
 J236, Rod, and
 Rod Connector

RA-J1C2
 Red Actuator
 Standard Nosepiece
 J236, Rod, and Link-pin
 Clear Cover-Shown in Outline



RA-J1C2
 Red Actuator
 Standard Nosepiece
 J236, Rod, and Link-pin
 Clear Cover-Shown in Outline

RADN-J1C2
 Red Actuator
 D-Nose Piece
 J236, Rod, and Linkpin
 Clear Cover-Shown in Outline

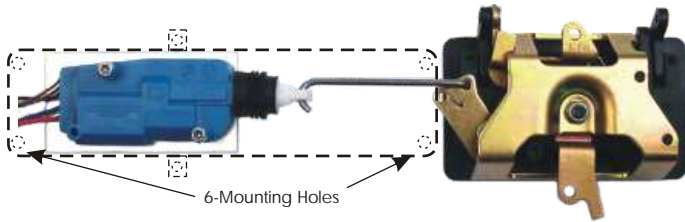


RANP-B1
 Red Actuator
 NP Nosepiece
 Adhesive Mount Base

RANP-C2
 Red Actuator
 NP Nosepiece
 Clear Cover-Shown in Outline

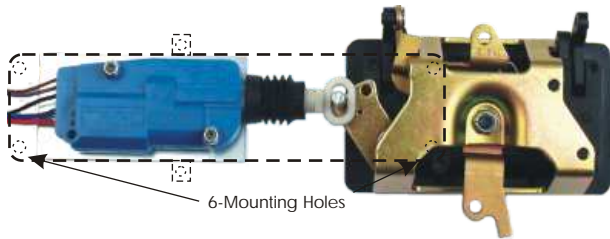


Power lock shown with an Entry Door Paddle latch and HDC's Blue Act actuator. Switched five wire enables key activations. Notching of clear cover may be required for some locking orientations.



B5-B1C2
Blue Actuator
Standard Nosepiece
Adhesive Mount Base
Clear Cover
(Shown In Outline)

B5-B2C2
Blue Actuator
Standard Nosepiece
Non-Adhesive Mount Base
Clear Cover
(Shown In Outline)

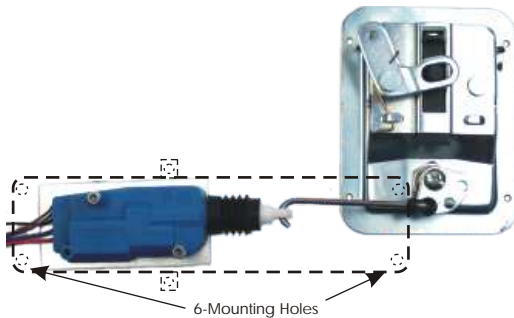


B5DN-LP2C2
Blue Actuator
D-Nosepiece
Long Linkpin / Locking Nut
Clear Cover
(Shown In Outline)

B5DN-LP2B1
Blue Actuator
D-Nosepiece
Long Linkpin / Locking Nut
Adhesive Mount Base



Power lock shown with Entry Door Paddle Latch and HDC's Blue Act actuator. Switched five wire enables key activations. Notching of clear cover may be required for some locking orientations.



B5-J2C2
Blue Actuator
Standard Nosepiece
J236, Cam, Rod,
Rod Connector
Clear Cover
(Outline Form)

B5-J2B1
Blue Actuator
Standard Nosepiece
J236, Cam, Rod,
Rod Connector
Adhesive Mount Base



B5DN-LP1B1
Blue Actuator
D-Nosepiece
Standard Linkpin
Long Rod
Adhesive Mount Base

B5DN
Blue Actuator
D-Nosepiece

TECHNICAL SPECIFICATION HDC ACTUATORS

NOMINAL VOLTAGE, 12 volt current
with blocked rotor, 3 Amp.

1) OPERATIONAL FORCE

VOLTAGE	TEMPERATURE	FORCE
13V+	20 DEGREES CELCIUS	30 N
13V+	70 DEGREES CELCIUS	25 N
13V+	25 DEGREES CELCIUS	30 N

Tolerance for test result: -10%, +30%

2) OPERATIONAL TEST

1 CYCLE = 1 OPENING AND ONE CLOSING MOVEMENT
TEST = 180,000 CYCLES
LOAD = 20N

TEST CYCLE: POWER ON 0.5 SECONDS, POWER OFF
15.0 SECONDS.

MOTOR TO BE COOLED BY FAN AT 50 DEGREES CELCIUS.

3) TEMPERATURE AND MOISTURE TEST.

1 CYCLE = 6 HOURS AT 80 DEGREES CELCIUS, DRY HEAT.
6 HOURS AT 50 DEGREES CELCIUS, 98% HUMIDITY.
6 HOURS AT -25 DEGREES CELCIUS.

TRANSFER BETWEEN TEMPERATURES WITHIN THREE
MINUTES. REPEAT FOR 10 CYCLES (TOTAL 180 HOURS).

AT THE END OF THE TEST THERE SHOULD BE NO
DEFORMATION OF PARTS OR BREAKAGE.

THE ACTUATOR SHOULD FUNCTION AS STANDARD.

4) SALT SPRAY TEST.

PLACE DEVICE IN SALT CHAMBER FOR 96 HOURS.
DEVICE SHOULD THEN FUNCTION AS STANDARD.

5) PROTECTION AGAINST EXCESSIVE VOLTAGES.

THE ACTUATOR MUST WITHSTAND A SPIKE INPUT 24 VOLTS.

TECHNICAL SPECIFICATION (Cont'd.) HDC ACTUATORS

- 6) RADIO INTERFERENCE
THE ACTUATOR MUST NOT AFFECT RADIO RECEPTION OR RADIO TELEPHONE TRANSMISSION. THE REQUIREMENTS ARE PRINTED IN GENERAL MOTORS QT12537 DOCUMENT.
- 7) ELECTRICAL INSULATION
THERE SHOULD BE AN INSULATION RESISTANCE HIGHER THAN 10M WITH APPLIED VOLTAGE OF 500V _{cc} BETWEEN ONE TERMINAL AND MASS.
- 8) IMPERMEABILITY TO WATER
THE ACTUATOR MUST BE WATERTIGHT TO THE REQUIREMENTS OF D.I.N. 40 050. THE TEST SHOULD BE CARRIED OUT WITH THE ACTUATOR IN ITS FITTED POSITION.
- 9) CABLE SECURITY
ALL FITTED CABLES SHOULD NOT PULL OUT UNDER A LOAD OF 50N.
- 10) VIBRATION TEST
5-60Hz FOR TWO HOURS AT 23 DEGREES CELSIUS
AMPLITUDE 0.5MM
CYCLE TIME ONE MINUTE
VIBRATION DIRECTION VERTICAL TO MOUNTING
- 11) CASING MATERIAL CHEMICAL RESISTANCE
THE TESTS TO BE MADE TO THE MAIN OUTER CASING OF THE ACTUATOR BY THE 'SPOT' METHOD. THE MATERIAL SHALL SHOW NO SIGNS OF DETERIORATION TO:
PETROLEUM
GREASE
HYDRAULIC FLUID