Electric Parking Brake

PARTS LIST/INSTALLATION INSTRUCTION MANUAL
Thank you for the purchase of this product.

Please familiarize yourself with these instructions, they have changed to reflect the redesigned product and wiring for all vehicles.

Before starting the installation of the Drive-Master Electric Park Brake check to make sure the OEM indicator light works when engaging the OEM emergency brake pedal. As you will be modifying the OEM emergency brake assembly you will also need to confirm that when the emergency brake is engaged it will not allow the vehicle to roll while in gear with the engine running. If the vehicle has any problems related to the use of the OEM emergency brake they should be repaired before attempting the installation.

Please read through the installation instructions before attempting the installation.

Any questions that arise during installation please call for technical assistance (973) 808-9709 Monday-Friday 8:00 AM-4:30 PM EST.

If you follow step by step as instructed, you will not encounter difficulties and will have a proper installation.

Thank you for supporting Drive-Master Products.

Yours in mobility,

[Signature]
President
DEALER WARNINGS

1. Only trained and NMEDA certified technicians can install Drive-Master products, otherwise the warranty will be void.

2. Route all wires to prevent shorting or chaffing.

3. Do not install Drive-Master Park Brake system on a vehicle that does not brake correctly according to the vehicle manufacturers specifications and state vehicle inspection laws.

4. Do not make any electrical connections that are different than the Drive-Master wiring instructions.

5. Disassembling components without prior Drive-Master notification and a valid Return Authorization (RA) in writing by a Drive-Master office liaison will void warranty, and a charge will be issued for any replacement parts. **DO NOT CUT HARNESS WHEN REMOVING ELECTRICAL WIRING FOR RETURN - THIS WILL VOID WARRANTY!**
PARK BRAKE SYSTEM 
OPERATION FOR THE 
OWNER/USER

The Drive-Master Park Brake is simple in operation requiring the user to toggle a switch for activation of the OEM emergency brake. One toggle direction applies the parking brake. The other toggle direction releases the parking brake.

WARNING: DO NOT DRIVE THE VEHICLE WITH THE EMERGENCY BRAKE ENGAGED.

When the Drive-Master Park Brake is engaged with the ignition on the OEM dash brake light indicator will illuminate.

When the Drive-Master Park Brake is disengaged with the ignition on the OEM dash brake light indicator will turn off.

If your OEM dash brake light indicator stays on after the Park Brake is released and the D.M. Park Brake has been checked over for proper installation and wiring, you will need to have your brake system inspected by an authorized OEM dealer.
DRIVE-MASTER ELECTRIC PARKING

BRAKE WARRANTY

Drive-Master manufactured parts are warranted against defects in materials and workmanship under normal use for one year from date of purchase. All parts alleged to be defective will be repaired or replaced at Drive-Master’s discretion. A credit memo will be issued upon receipt of the defective part, provided: a) The invoice number of the original purchase is supplied; b) The return is **WITHIN** 30 days of receipt of replacements parts; c) The returned merchandise is **NOT** modified, disassembled, or altered; and d) The part falls within warranty terms.

RETURN POLICY

In order to better serve you, our return authorization program for the return of merchandise is as follows:

We will **NOT** accept defective or returned parts without a return authorization (RA) number. In order to receive an RA number, call our shipping department and request one - make sure to have available the invoice number, date of purchase, and EXACT reason for returning the parts. Advise as at the time whether you want the part replaced prior to our receipt. If so, parts will be shipped and billed to you. If you buy from us on a COD basis, parts will be shipped COD. Credit will be issued upon the defective part’s arrival at Drive-Master. The RA number should be displayed prominently on the outside of the shipping carton, as well as on the paper work inside the carton. We will **NOT** pay freight beyond ground shipping under any circumstances, nor will we issue credit for any parts we receive that were: a) special orders; b) broken due to faulty installation; c) modified in any way; d) out of warranty; or e) taken apart for any reason.

Drive-Master will accept return of new, unused merchandise and will issue credit less a 15% restocking charge, only if: a) The merchandise is not damaged, disassembled, or altered in any way; b) It is returned within 30 days of original purchase; c) It was not a special order item; and, d) The invoice number of the original purchase is supplied.

Warning: When removing defective electrical equipment, do **NOT** cut wire harnesses (must be disconnected). Cutting wire harnesses voids the warranty.
PARTS LIST

PART #DMBKPK001 = CABLE; #DMBKPK002 = CHAIN

PARTS LIST - MECHANICAL:

1. 1 PARKING BRAKE MOTOR UNIT WITH MOUNTING BRACKET
2. 1 10” CABLE WITH CABLE STOP/OR 10” CHAIN
3. 1 MICRO SWITCH BRACKET
4. 1 - 1/8” U-CLAMP
5. 3 - 1/4” 20 X 1” GRADE 8 BOLTS, WASHERS, AND NUTS
6. 2 - 4-40 X 3/4” SCREWS/NUTS/WASHERS
7. 2 - #8 X 3/4” SHEET METAL SCREWS
8. 1 - 5/16” x 1-1/2” FENDER WASHER
9. 1 - 1 1/4”-20 x 1-1/4” CUP POINT SET SCREW
10. 5/16” LOCK COLLAR
11. 1 - PEDAL ARM BRACKET (TOYOTA SIENNA, HONDA ODYSSEY, CHRYSLER T+C, or CHEVY UPLANDER)

PARTS LIST - ELECTRICAL:

1. 3’ 18 GA. YELLOW WIRE
2. 3’ 18 GA, WHITE WIRE
3. 3’ 18 GA. BLACK WIRE
4. 6’-10 GA. RED WIRE
5. 3 RED FEMALE 1/4 BLADE
6. 2 RED FEMALE 3/16 BLADE
7. 2 YELLOW 10 GUAGE EYE
8. 1-YELLOW 3/8’ RING CONNECTOR
9. 1 - YELLOW 5/16 RING CONNECTOR
10. 1 - MICRO SWITCH (EXCEPT HONDA ODYSSEY)
11. 1 - SPDT TOGGLE SWITCH
12. 1 - RELAY HARNESS ASSEMBLY (2 RELAY)
13. 1 - PREWIRED RELAY HARNESS (1 RELAY - HONDA ODYSSEY ONLY)

IF YOU HAVE ANY QUESTIONS REGARDING INSTALLATION, PLEASE CALL DRIVE-MASTER COMPANY, INC. AT 973-808-9709 8:00 AM TO 4:30 PM EST
1. Shown is Toyota Sienna. Other foot operated parking brakes may have similar or different configurations. You must disassemble to remove the locking prawl. Disable the lock prawl from the OEM gear teeth of the parking brake assembly. This will allow the pedal to be depressed and returned to starting position without locking in depressed position.
2. Disconnect OEM park brake indicator light plug.

3. If present remove the park brake cover & discard.
Drill out the head of the rivet holding in the release mechanism.
It may be necessary to cut this tab to remove the pieces held in by the rivet.
Remove the rivet and pieces attached by it.

Pictured are the parts needed to be removed.
Depending on the style ordered (chain or cable) it may be necessary to drill out the OEM hole located on the brake pedal.

A cable operated model requires a 3/16" hole.

A chain operated model requires a 5/16" hole.
Utilize the OEM P.B. mounting stud to secure the micro switch bracket.

Shown above is the micro switch and bracket installed.

4. Mount the micro switch so the OEM pedal will activate it fully returned without applying the park brake.

5. Wire per diagram.
Pictured above is a typical placement of the Drive-Master Park Brake assembly.

**Toyota Only**

Place Drive-Master Park Brake motor assembly just below the OEM stud shown above. The mounting holes should line up vertically with the OEM stud shown above.

Line up the Park Brake assembly with the OEM park brake pedal.

Make sure the OEM park brake pedal does not contact the Park Brake assembly when full engaged.

The location of the toggle switch is usually determined upon fitting your client to the vehicle.
ALL INSTALLATIONS EXCEPT HONDA

ELECTRIC PARK BRAKE

WIRING DIAGRAM
Honda foot operated Parking Brake is released by pushing on it with your foot - you must disable the spring and prawl from inside the OEM Park Brake Assembly. Remove the assembly 3-OEM mounting bolts. Disassemble similar to Toyota page 7. Do this on the bench outside the car.

**PARTS POSITIONING IN HONDA**

Line up 2 holes on brake arm use 1/4"-20x1". Center 2nd hole over foot pedal. Remove rubber pad before drilling.

**HONDA FULL OFF**
HONDA FULL ON
MOUNTING BRACKET VARIATIONS

FORD  DODGE/TOTOTA/WINDSTAR  HONDA

FORD  DODGE/TOTOTA/WINDSTAR  HONDA
Troubleshooting

NOTE: Use Your Fluke Meter - No Test Lights

1. Confirm there is 12V DC to the system.
   Confirm there is proper ground.

2. Both black wires at motor should be ground using fluke meter.

3. Check for broken wires.
   Check for disconnected pins in relay harness.

4. Unit won’t turn off - Check for micro switch adjustment pedal arm hitting switch.

5. Dash light on - Unit not turned off. Check micro switch contact with pedal arm.

6. Pedal stuck down - Check chain for binding.
   Micro switch broken - Check wiring.
POSITION ELECTRIC UNIT SO BRACKET SPANS CABLE ON WHEEL WELL.
ALIGN DRUM CABLE WITH ADAPTOR.
ALIGN CABLE FOR PULL, AND BOLT UNIT TO WHEEL WELL.
NOTE: MOUNT RELAY NEAR PARK BRAKE MOTOR ON KICK PANEL OR FIREWALL.
Installation Tips

Old Style Handle Release

Pull manual release handle on parking brake until it is in the full out position. Fix 1/8" U-Clamp over handle shaft as shown, as close to dash or firewall as possible. This will insure that handle remains in full out position.

MICRO SWITCH MOUNTING POSITIONS

DASHBOARD
CHEVY MICRO SWITCH
SIDEWALL
FORD MICRO SWITCH

PARKING BRAKE PEDAL
FORD AND DODGE VANS

DRUM
LOosen BOLT; THREAD CABLE OR CHAIN; RE-TIGHTEN BOLT
THESE PHOTOS ONLY REFLECT WHAT PARTS SHOULD LOOK LIKE. PART NUMBERS & VEHICLE INFO SHOULD BE GIVEN AT TIME OF ORDER

ALL TOYOTA SIENNAS
MICROSWITCH BRACKET P.N.#140013
PEDAL BRACKET P.N.#140076

2001-2007 DODGE CARAVAN
MICROSWITCH BRACKET P.N.# 140040
PEDAL BRACKET P.N.# 540066

FULL SIZE FORD AND CHEVY VENTURE/UPLANDER MICROSWITCH BRACKET P.N.#140039

FULL SIZE CHEVY MICROSWITCH BRACKET
P.N.#140059

UNIVERSAL MICROSWITCH BRACKET
P.N.#140063
Dodge 2010 Minivan