

Express Installation Instructions

1. Clear area where unit is to be installed
2. Assemble barrier to the stubs of the 2 pods using security bolts
3. Position plates using template
4. Apply adhesive to the bottoms of the mounting plates and press them into place
5. Attach pods to plates
6. Wait for adhesive to cure before driving or stepping over barrier.

FCC THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

CE Hereby, Designated Parking Corp., declares that MySpot 202 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC . A copy of the Statement of Conformity can be found on the Company's web site.

Rudor M. Teich, President

Copyright and Patents

MySpot 200 is covered by design and utility patent applications and issued patents. MySpot is a trademark of Designated Parking Corp.

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Manual P/N : 92-1002 Revised 26APR2007

Installation Manual

MySpot™ 200 V4

Remote Controlled Parking Barrier

Congratulations!

MySpot 200 rugged construction, careful design and attention to detail will provide you with years of service and enjoyment. However, like all things mechanical and electronic, proper and careful installation is essential in order for the product to perform as designed.

We suggest that you keep this manual in the car's glove compartment, along with the Emergency Key/Security Wrench. The key allows you to manually lower the barrier. The wrench allows access to the Key. The User manual will refresh your memory how to do it, as well as show you how to recognize when the radio batteries need replacing and how to go about it.

A summary installation procedure is available at the back of this manual. A pictorial manual is available separately.

This manual applies to MySpot 200 version 4 (shipments after JUL 2006).

MySpot 200 is installed as shown to block access to a parking space.



On command, the barrier falls forward to allow access.



A video showing the installation is available on www.dp-corp.com/downloads/videos



WARNING! Barrier may cause pedestrian or users to trip over it. Please install and provide warning signs accordingly. Note that Public Liability should be in place.

If external damage to the packing is evident, notify the carrier immediately. Shipping damage is not covered by the manufacturer's warranty.

Kit Contents

Below is a list of the main assemblies and parts in the carton. Please note the "Ref: designator on the leftmost column. This ref will be used throughout the manual to identify parts and assemblies. Anchors and their bolts are not included in the kits and should be ordered separately.

Spares 01-6202.2P MS202-2P EU kit 2 HT 2 plates

Ref	PN	Description	Note	qty
Bag #1 PP	01-6312	Parts bag, for MS200 PP V3	Bolts etc.	1
Bag #2 IP	01-6313	Parts bag, for IP installation MS200	Bolt for IP center	1
BB	51-3211	Barrier type G, MS200		1
CC	71-1060	Carton, Exterior MS200 unit box		1
HT	01-6020	HT433 transmitter (CE), MySpot 20		2
IP	03-6212	IdelPod assm, MySpot 200		1
IP-PL	51-2216	Plate, IP mounting sub-plate		1
K11	41-4016	Bolt security M8 x 14.5mm	IP-plate, used in ship	2
K13	43-0010	Washer, shoulder insert for IP MS200,	between plate & IP e	2
K14	43-2001	Washer inetrnal tooth 8mm ID	under K11 for IP ear	2
K5	41-4017	Bolt security, M8 x 32 mm	PP to plate used in s	4
K7	43-0005	Washer OD=15.5mm ID=8.4mm T=1	under K5, K14	4
K9	92-1002	Manual, installation MS200		1
PP	03-6210	PowerPod 433 MHz assm, MySpot 200		1
PP-PL	51-2214	Plate, PP mounting, MS200		1
TT	71-1062	Template cardboard MS200 install		1

NOTE (4) K5 bolts, (2) K11 bolts and (6) K7 washers are used to fasten the PowerPod and the IdlePod, respectively, to the mounting plates during shipping. These 6 bolts are not in the parts bag "kit" detailed below, and are listed in the part list above.

Spares 01-6312. Parts bag, for MS200 PP

Ref	PN	Description	Note	qty
K1	51-6204	Wrench, security bolt tool, MS200	L wrench	1
K10	41-1004	Screw cap socket, M5 x 12mm black	sub-plate to anchor	0
K11	41-4016	Bolt security M8 x 14.5mm	IP-center-to-Plate	1
K12	51-6205	Wrench, hex M5x20x60mm MS200	for K10	0
K14	43-2001	Washer inetrnal tooth 8mm ID	use with K11	2
K19	51-7002	Pin, setting for anchors, 6x80 MS200	Expands K3	0
K2	51-6202	Socket, security bolt tool, MS200	use with K1 or power	1
K20	51-6206	Wrench Allen 8 mm L	for inserts	1
K3	46-1010	Anchor M8 x 10mm D x30 L	mount to concrete	0
K6	41-4012	Bolt security M8 x 10mm	barrier to cowling	4
K7	43-0005	Washer OD=15.5mm ID=8.4mm T=1	use with K11	1
K8	43-0007	Washer OD=22 ID=8.2 T=1.5mm MS2	use with K10	7

Can not Reboot

Step	Test	YES	NO
1	Is barrier in the UP position when trying to boot or change sensor setting?	go to step 2	Configuration ("Boot") Switch is ignored except when barrier is in the Locked Up position
2	Disconnect battery cable for 15 seconds, reconnect. Problem still exists?	go to step 3	
3	Replace batteries in PowerPod. Problem still exists?	Replace electronic module	

Troubleshooting

No response to Remote control

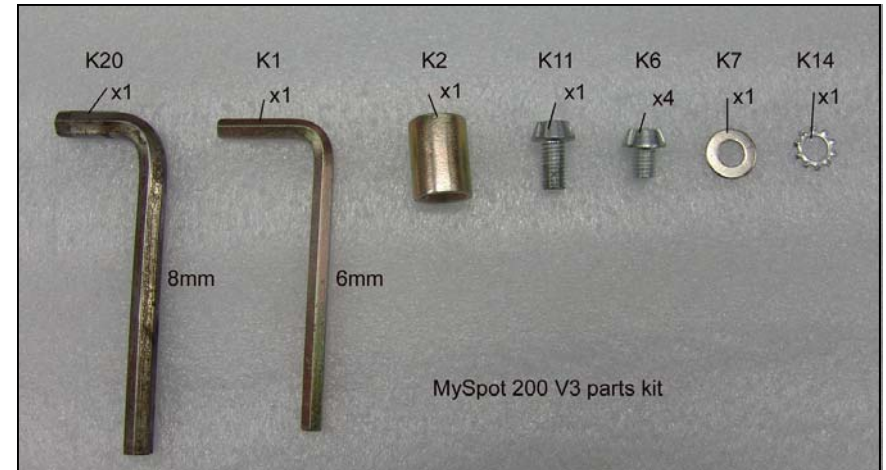
Step	Test	YES	NO
1	Is the correct button pushed and does indicator on remote control light up when button is pushed?	go to step 2	Replace battery in remote control
2	Has this remote control worked before?	go to step 2a	Add remote control to memory of MySpot 200
2a	Has the barrier been slow to respond recently	Replace PowerPod batteries	go to step 3
3	Is barrier locked in Locked Up position?	go to step 4	go to step 5
4	Use Emergency key to release barrier, then raise barrier manually slowly and retest. Is unit now working properly?	Jam cleared	go to step 6
5	Is barrier locked in Locked Down position?	go to step 8	Bring barrier to locked up position and go to step 1
6	Is there another remote control that <i>does</i> control the unit?	go to step 7	Replace batteries in the PowerPod . If this does not help, erase memory of MySpot (see manual)
7	Add remote control to memory of MySpot. Does it work?	Done	Replace remote control
8	With the barrier down, step on it a couple of times to simulate a car passing over the barrier with both wheels. Is the barrier responding the remote control?	Done	go to step 4

Motor responds but no motion of barrier

Step	Test	YES	NO
1	Is barrier locked in Up position?	go to step 2	Go to step 4
2	While motor sounds, push barrier down. Did it move?	go to step 3	Open PowerPod cover and check operation
3	Check alignment of pods or a bent barrier	Done	
4	Is it locked in Down position?	Step on the barrier and retest	Step on barrier and compress spring, twice and re-test

Barrier goes up and then drops

Step	Test	YES	NO
1	"arm" the barrier by stepping on it and repeat the test. Problem exists?	Go to step 2	It was due to barrier being manually manipulated and going out of synch.
2	Check wires from the optical sensors to the electronic module. Are cables damaged?	Move wires away from edge	Make sure opto is not subject to bright light during test

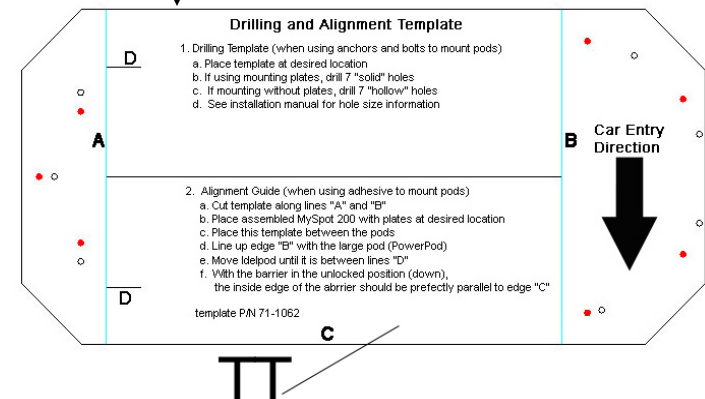


These security bolts are shipped attached to the mounting plates for the 2 pods.



Labels for identifying remote controls and matching them to installed units

Cardboard template provided in the MySpot 200 carton. Do not discard accidentally.



Unpacking

Please check the contents of the carton against the list on page 2. Identify each of the items, as you may need to refer to their designation during installation.

A cardboard cover inside the carton doubles as the installation template TT. Do not discard this part when unpacking.

Note: Adhesive for mounting the pods is available as a separate option and is not included in the kits.

Note: The mounting hardware is not provided inside the kit. See next page for information on the available kits.

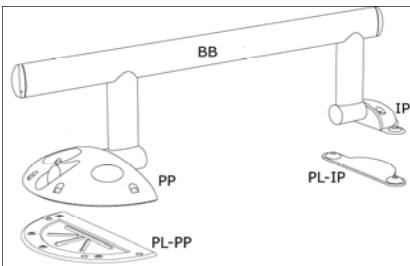
NOTE: The cowlings at the end of the 2 pods are intentionally “floating” and are designed not to be attached rigidly to the shafts. This is required to accommodate slight installation misalignment between the pods.



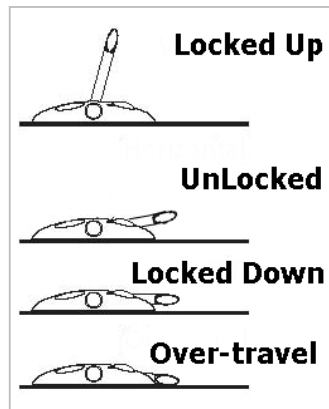
Terminology

The main components of MySpot 200

PP = PowerPod
 IP = IdlePod
 BB = Barrier
 PL-PP = Mounting Plate, PP
 PL-IP = Mounting plate, IP



The barrier can be in one of 4 positions as shown.



Limited Warranty

Except as otherwise provided, Seller warrants for a period of twelve (12) months from the date of shipment that the goods supplied to Buyer shall be of good materials and workmanship. Seller makes no warranty with respect to the following: (a) materials not manufactured by Seller, the use of which is suggested by Seller's general recommendations, application or installation procedures, or otherwise; (b) goods sold by Seller to Buyer for other than resale; (c) goods which have been subject to abuse, accident, alteration, misuse, negligence or alterations; and (d) all display items sold by Seller to Buyer.

THE FOREGOING WARRANTIES ARE EXCLUSIVE, AND IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, WRITTEN OR ORAL WHETHER IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, USE, OR INFRINGEMENT. SELLER DOES NOT ASSUME, NOR AUTHORIZE ANY REPRESENTATIVE OR OTHER PERSON TO ASSUME FOR IT, ANY OBLIGATION OR LIABILITY OTHER THAN AS EXPRESSLY SET FORTH HEREIN.

Limitation of Remedies.

Seller's obligations under the above warranties (contained in Section 10) are conditioned upon Seller actually receiving notice from Buyer of the alleged defect within the warranty period and the existence of an actual defect in the goods as revealed upon examination by Seller. The sole liability of the Seller for breach of such warranties shall be to provide Buyer with replacement for, or repair of, defective parts in the manner provided herein. This exclusive remedy shall not be deemed to have failed of its essential purposes so long as Seller is willing to repair or replace the defective part(s) in the manner prescribed herein.

Seller shall not be liable for any labor or other expenses incurred by Buyer in the removal, repair or replacement of the goods or any component part claimed to be defective, nor shall Seller be liable for any expenses incurred by the Buyer in order to remedy any defect. Seller's acceptance of shipped goods shall not be deemed an admission that such goods are nonconforming under the above warranties. If the Seller finds that any goods are not defective, such goods will be reshipped to Buyer at its expense and Buyer will be charged for shipping charges incurred by Seller.

Under no circumstances and in no event will the Seller be liable for any personal injury or property damage, loss of profits or revenue, loss of business, consequential, incentive, punitive, special or contingent damages or expenses of any kind incurred by Buyer or any third party, based upon warranty, contract, strict liability, negligence or any other cause of action arising under this Agreement or in connection with the product or services provided hereunder even if the other party or any other person has been advised of the possibility of such damages. The discharge of Seller's warranty obligation hereunder shall constitute fulfillment of all liabilities of Seller to Buyer, whether based on contract, negligence or otherwise. The remedies set forth herein shall be the exclusive remedies available to the Buyer and in lieu of all other remedies, and the liability of Seller, whether in contract, in tort, warranty or otherwise, shall not exceed the price of the goods sold, supplied or furnished by Seller which give rise to the claim.

Any suit or action arising out of or relating to this Agreement or the breach thereof, must be commenced within one (1) year after the date of shipment of the goods to the Buyer. The foregoing shall not limit the time within which any suit or action must be brought to collect an amount agreed to be paid by Buyer or to enforce a judgment in favor of Seller or to collect any amount awarded to Seller.

Help

A troubleshooting chart is provided on the next page.

If you need assistance with the installation, repair or other problems, please contact the company that sold the system to you first. They are likely to provide you with immediate support, especially if the product was purchased overseas.

Designated Parking web site is a good source of tips, troubleshooting information and a way to contact the factory engineers to address unusual problems.

You can download the latest manuals at www.designatedparking.com/downloads

8: Maintenance

The most important maintenance is to clear the immediate area of the MySpot 200 of debris of any kind.

Never drive over the barrier when obstructions are visible under the barrier.

Replacing PowerPod Batteries

The batteries should provide 2 to 3 years of life under normal operating conditions. When the batteries approach their end-of-life, MySpot 200 will become "sluggish" – it will delay the response to the remote control commands by about 5 seconds. This is an intentional reminder that the batteries need replacing.

If the batteries are not replaced before they are completely exhausted after 50 additional operations, the barrier will accept one last command and will stay down .

To replace the batteries, open the cover of the PowerPod and pull out the 5 batteries. It may require that you cut the straps that hold the batteries — these were provided for shipping only. Replace with fresh D alkaline batteries.



Observe polarity!! Reversing the polarity of some or all the batteries will damage the radio receiver, or may cause the radio not to work at all.

Replacing remote control batteries

When the batteries in the HT remote control approach their end-of-life, the HT will signal the condition by delaying the transmission of a command. The green indicator on the remote control will flash for a few seconds, before the normal pattern of turning solid for 2 seconds (while it sends the command) takes place.

To replace the batteries, open the two small Philips screws on the back of the unit. Replace the 2 Lithium button batteries with CR2016 batteries. Observe polarity! Check operation of the indicator before closing. If OK, close with the two screws.

CA6/7 Anchor Kit

This kit contains 7 metric concrete anchors, special M8 hex head bolts, washers and a wrench.



The anchors are 10 mm in diameter and 60mm long. They are suitable for fixing the plates to any concrete — reinforced hard concrete or soft-ware cement. They are not suitable for fixing the plates to asphalt, macadam and similarly soft aggregates.

To install, drill 10mm holes in the surface, 65 mm deep. Push the anchor until its head is flush with the surface, all the while keeping the bolt in the anchor. Make sure that no debris enter the thread after the anchor has been placed in the holes, so do the cleaning before you remove the bolt.

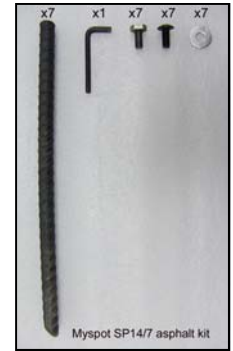
FRACTIONAL ANCHORS

DPC can provide special US specification anchors that measure 5/8" diameter by 1 5/8" long. And accept 5/16" bolts. The kit (MA7) is available from DPC.

SP14/7 Spike Kit

This kit contains 7 spikes, special M8 hex head bolts, washers and a wrench. The spikes were developed to mount the pods in a relatively soft surface such as macadam or asphalt.

It is strongly recommended that the spikes be used in conjunction with **adhesive** such as DPC EPX1. An industrial grade premium



adhesive with polyurethane can be used instead of the EPX1

The bolt shown in the picture is used to protect the head of the spike during hammering, and is removed after the spike is pushed flush with the surface.

The spike should be hammered into a pre-drilled 9/16" or 5/8" (15mm or 16mm) hole drilled vertically, using a heavy hammer. A 9 lbs (4.5KG) hammer works best.

Note that the spikes require a 14" (36 cm) clearance below the surface.



2: Site Preparation

Gravel, Sand

Mounting the pods directly to gravel or sand is not recommended, as neither the bolts nor the adhesive will provide adequate grip. A suitable concrete footing needs to be poured for each of the pods.

Asphalt

The installer needs to check the integrity of the asphalt or macadam surface to make sure that the depth and strength are adequate to support mounting anchors. In some cases, the use of the optional adhesive EPX1 may be the better way to mount the pods. It is not recommended to use the concrete anchors on asphalt.

Special asphalt anchors are available from Designated Parking (SP-14). These are 35 cm (14") long spikes

TOOLS: Unless you use adhesive, you will need a power drill and a 10 mm (13/32") masonry drill bit for setting the concrete anchors into the roadway to mount the two pods.

WARNING: Locate the PowerPod so that persons getting in or out of the car will not trip on the pod.

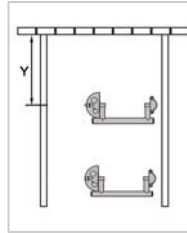
Where to position MySpot?

Front or Middle?

MySpot 200 can be positioned in two distinct locations within the parking space – in the middle or at the front. **Installation in the front is allowed only in private driveways.**

Middle mounting means that the barrier will stay under the car while the car is parked in the space. The advantages of middle-mounting are:

- Barrier is further removed from dirt and debris pushed from the main access lane
- Cars making J turns are less likely to bump into the raised barrier accidentally
- The barrier is protected from inclement weather while the car is parked over it
- Cars entering adjacent lanes are less likely to accidentally hit the barrier



When placing the barrier in the middle of the stall, the center line of the device should be about 1.5 meters (5 feet) from the rear of the stall (dimension "Y" in the drawing above).

Designated Parking Corp. recommends installing the barrier in the middle of the space.

Closing the PowerPod Cover

1. Carefully clean the base from any particles.
2. Make sure that the emergency key tang fits in the hole of the slide latch. Failure to observe this precaution will bend the key and possibly damage the mechanism.
3. Check the integrity of the silicone seal which is glued inside the cover. It should be continuous without deformation or cuts.
4. Make sure that the surfaces of the 4 bushings in the base which hold the inserts are covered with Teflon or similar water-resistant grease.
5. Holding the cover close to the base, plug in the antenna cable
6. Place the cover over the base and make sure that the 4 holes in the cover line up with the holes in the base
7. Secure the 4 inserts using the K20 8 mm Allen wrench (10 mm on products shipped before



March 2005). Tighten the inserts securely using a torque wrench set to **80 Kg-cm (75 in-lb)** to compress the gasket seal.



8. For outdoor applications, run a pressure test on the PowerPod to make sure that it is properly sealed and thus water proof. Use DPC PT1 pressure tester.
9. Attach the PowerPod to the mounting plate using the metal washers under the head of the bolts. Failure to use the washers will deform the plastic inserts and allow water to seep into the PowerPod.



programmed button(s) on the authorized "A" remote control.

9. To verify that the new remote control works, press the newly programmed button(s) on the **B** remote control. The motor should respond and the barrier should fall.

The same procedure can be used to add another button on the same remote control to the list. Each of the 3 buttons on the HT has its own code, and all 3 can be programmed into the PowerPod if desired. The 3 keys allow the same remote control to control 3 separate MySpot 200.

1 or 2-button modes

To place the HT remote control in the 2-button mode (where a sequence of 2 keys is required before a command is sent out):

- Press and hold buttons **1** & **2** simultaneously.
- After 5 seconds, the indicator on the HT will start flashing. Release the buttons. Make sure that the indicator continues to flash.
- Press button **2** and hold until the flashing indicator turns off.

To place the HT in the 1-button mode, follow the sequence above but as the last step press and hold button **1**.

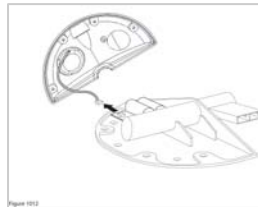
TEST: Press any button once. IF the indicator responds immediately, you are in 1-button mode.

Removing the PowerPod Cover

1. Use the security socket to remove the 4 security bolts that attach the PowerPod to the mounting plate.
2. Using the K20 8 mm Allen wrench, remove the 4 plastic inserts that attach the cover to the base.
3. Lift the cover gently about 2" and disconnect the antenna cable by pulling its RCA plug from the socket.



Warning! Pulling the cover without disconnecting the antenna cable will damage the antenna cable or the electronic module in the base of the PowerPod.



Warning! The PowerPod is sealed against water using white Teflon grease. Make sure not to touch or remove this grease else the housing will no longer be water resistant.

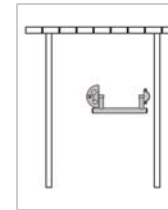
Front mounting means that the car drives in and parks *behind* the barrier. This mode of installation is suitable only to single-car driveways.

A benefit of front mounting is that the barrier can be used as a **theft deterrent**, raising it with the car parked behind it. The barrier should be installed as close to the front limit of the space as possible, to allow the barrier to rise behind even a large vehicle.

Installing the barrier in the front in multi-car parking areas will dramatically increase the likelihood that the barrier will be bumped into by passing vehicles, and is thus strongly discouraged.

Right Align

The Barrier should be installed on the right side of the space. Mount the pods so that the edge of the barrier touches the edge of the space. This way you are assured that at least one wheel will drive over the barrier.



Designated Parking recommends mounting the barrier on the right hand side, as shown in the drawing above. The reason is that when installed as shown, the right hand wheel of the car will drive over the barrier between the two pods. This minimizes the "speed bump" effect on the car and makes for a smoother entry and exit.

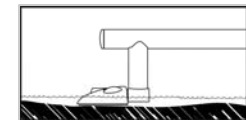
The forces applied to the barrier when the car drives over it create a force that is trying to lift the corner of the PowerPod shown with the red arrow on the above picture. Make sure to secure this corner above all others to the surface, and use all 4 bolts to attach the plate to the ground and the pod to the plate.



Likewise, make sure that when mounting the IdlePod plate IP to the ground, 3 bolts are used. When securing the IdlePod to its plate, place the insert K13 between the plate and the ears of the IdlePod. Use three bolts K11, a star washer K14 and the flat washer K8. Installing the 3rd bolt requires opening the cover of the IdlePod.

Standing Water

MySpot 200 is sealed to prevent water from entering the unit. The PowerPod should not be exposed for extended period of time to standing water or ice. To prevent such occurrence, select a spot for the pod that is



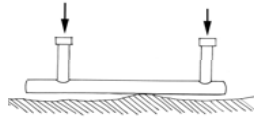
Beware of low ground

slightly raised above the surface, or add a plate to raise it.

Barrier Clearance

The front (leading) edge of the barrier must be able to travel 3" [8 cm] (from its Unlocked position) before it hits the ground. A rise in the roadway anywhere along the contact point between the barrier and the ground will interfere with this full range of motion.

To check the surface, place the barrier upside-down on the ground.

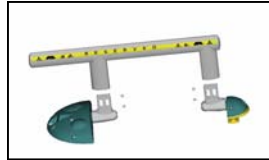


Beware of uneven surface

Observe any height irregularities. If the roadway is lower in between the two ends of the barrier, there is no problem. If the roadway at even one point is 7 mm (1/4") higher, move the barrier towards the front or the rear of the space until a better location is found.

If the rise in the middle is unavoidable, you may have to raise one or both pods using a suitable plastic or metal plate. The use of wood or plywood is not recommended as it will rot.

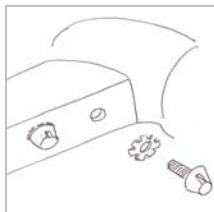
3: Assemble Barrier



Prior to the mounting of MySpot 200, the barrier needs to be assembled to complete the assembly of the device. This will self-align the two pods.

1. Make sure that the stub on the PowerPod is in the Locked Up position. (See inset for instructions how to manually bring the shaft to the Locked Up position if necessary.)
2. Rotate the stub on the IdlePod until it too is in the Locked up position.
3. Slide the barrier over the stub of the PowerPod. The grooved surface of the barrier should be facing back, away from the entrance to the parking space. The reflective yellow label on the front of the barrier should face the entrance to the parking space.
4. Make sure that the holes on the barrier line up with the threaded holes in the stub.

5. Secure the barrier to the stub using 2 washers K14 and 2 short security bolts K6.



6. Repeat the process for the IdlePod side and secure the barrier to the stub using washers K14 and security bolts K6.

seconds to acknowledge a successful "reboot".

6. The unit has been returned to the factory setting. To program the first remote control, just activate it.
7. Connect the antenna and close the cover.

First Remote control

Once the MySpot has been erased, it will learn the first remote control it "sees" as a valid remote control.

1. Place the barrier in the Locked Up position.
2. Press the button, or sequence of buttons (if the HT is in the two-button mode), on the remote control that you wish to pair with the barrier.
3. The motor should whirl and the barrier should fall. The remote control has now been paired with the barrier.

Adding Remote controls

Once the first remote control has been added ("programmed" or "paired") to the authorized list in the radio receiver in the PowerPod per section 6, additional remote controls (up to a total of 15) can be programmed.

1. Make sure that any barrier in the vicinity that is still unprogrammed is placed in the Unlocked position.



2. Place the barrier in the Locked Up position. Prop the barrier with your leg so that the barrier will not fall when activated.
3. Hold the authorized remote control ("A") in one hand, and the new one ("B") in the other.
4. The sequence as explained below is A-A-B-A.
5. Press the previously programmed button(s) on the *authorized A* remote control. The motor will whirl. The green indicator on the HT remote control will stay lit for 2 seconds. If the remote control is set to a 2-button mode, press the two keys in sequence to get the motor to whirl.
6. Two seconds after the motor stopped, press the authorized key **A** again. The motor should sound again.
7. Two seconds after the motor stopped, press the desired button(s) on the *new ("B")* remote control. The green indicator on it will turn on for 2 seconds. In the case of 2-button setting, press the same key sequence on the new remote control as you do on the authorized remote control.
8. After the green indicator on the new remote control turns off, wait 2 seconds then press the

7: Programming the Radio

Erase Memory (Boot)

The only way to delete remote controls is to erase the programming in the unit. This is also the case when the only authorized remote control has been lost, and a replacement remote control needs to be added. This erasure is known as a "boot".

There are two ways to boot the controller — through a switch inside the PowerPod, and through a command sequence from an authorized HT remote control. The latter solution is preferred as it does not require opening the PowerPod. However, if an authorized remote control is not available or is not working properly, it can not be used.

BOOT USING HT REMOTE CONTROL:

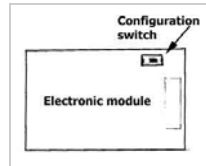
1. Place the barrier in the Locked Up position and prop the barrier with your leg so that it will not fall
2. Using an authorized remote control press the button or sequence of buttons that you use to lower and raise the barrier.
3. The motor in the PowerPod will whirl.
4. Wait 2 seconds, then repeat step 2.



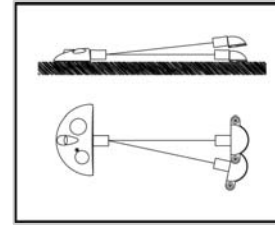
5. Without waiting for the motor to stop, press and hold buttons #1 and #3 for 2 seconds. The LED indicator must not come on. If it does, repeat step 5.
6. Immediately, press button #2 for 2 seconds. Release the button.
7. The LED will start flashing to indicate that it has entered the Command mode.
8. Immediately (within 3-4 seconds) press button #1, followed within a second with button #2.
9. The Controller should respond within a few seconds with activation of the motor for 1-2 seconds

BOOT USING THE SWITCH:

1. Open the cover of the PowerPod. (See insert on next page for details.) Remember the antenna cable.
2. Place the barrier in the Locked Up position.
3. Press and hold the Configuration switch (marked "Boot" on the circuit board) for more than 5 seconds but less than 10 seconds.
4. Release the switch.
5. After a 3 second delay, the motor will operate for a couple of



Line up the Pods



Aligning the IP and PP is critical

The barrier rotates around the bearing surfaces on the two pods. The force that brings the barrier down to allow access to the space comes from gravity pulling the barrier. Excessive friction along the travel of the barrier will prevent proper operation of the device.

The two pods need to be reasonably aligned with each other, so that the barrier is free to rotate. Alignment means that the two pods face each other so that an imaginary line extending from the shaft of the PowerPod will line up abeam with the opening in the IdlePod. This alignment also applies to the height — a significant (more than 1 inch) height difference between the two pods will hamper the free motion of the barrier.

If the PowerPod mounting area is not level, the use of a shim under the PowerPod or its mounting plate may be required to level it with the IdlePod.

MySpot 200 is now ready for attachment to the roadway.

5a: Asphalt Installation

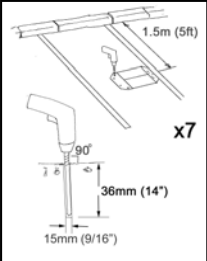

Asphalt offers a relatively weak surface for mounting MySpot 200. For the most reliable installation pour concrete footing for the 7 bolts for the mounting of the plates.

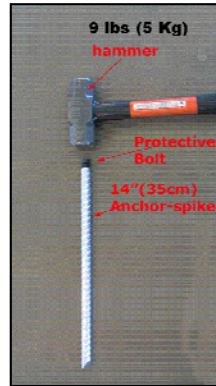
For normal duty applications, the plates can be attached to the surface using a combination of adhesive (DPC EPX1) and special spike-anchors available from DPC (model SP14). An alternate adhesive that can be purchased anywhere is a

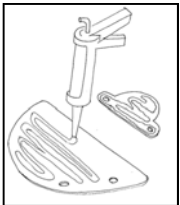



premium industrial adhesive with polyurethane.

Installation

1. Use the template that is provided with the MySpot kit to mark the location of the anchors.
 
2. Drill 5/8" (16mm) holes perpendicular to the ground.
3. Apply the adhesive to the hole, filling it about 50%.
 
4. Protect the anchors by threading the supplied protective bolts and secure them to the anchors with a wrench.



5. Using a heavy hammer (at least 5 lb. 2.5 Kg), drive the anchors into the ground until the head of the anchor is flush with the asphalt surface.
6. Using the wrench, remove the bolts.
7. Place the plates over the anchors to make sure that the holes line up. If some holes are off, you may have to drill the plate.
8. Apply 1/8" (4mm) thickness of adhesive to the full surface of the bottoms of the plates.
9. Mount the plates and secure with washers and bolts to the anchors.
 
10. Use the adhesive to caulk the edge of the plates to prevent water entry under the plates.

8. NOTE: The barrier must be pushed down to the Overtravel position **twice** to allow raising the barrier.
9. Apply matching ID labels to the PowerPod and to the remote control (e.g. "A").
 
10. For applications where one driver is given one or two HT remote controls and no additional control of the barrier is required, the installation is now complete.

RE-PROGRAMMING

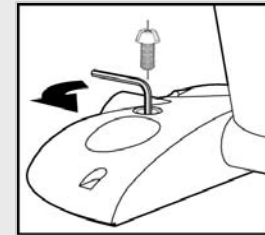
For applications where a number of side-by-side units need to be controlled by the same remote control, each of the barriers needs to be reprogrammed per section 7. That entails the following steps:

1. Erase the memory of one MySpot 200 unit at a time.
2. Teach the unit the address of the first remote control by simply transmitting from the remote control with the barrier in the Locked Up position.
3. Add the next remote control (s).

Releasing the shaft manually

If it is necessary to rotate the shaft manually, with the cover in place, follow this procedure:

1. Remove the security bolt as shown above to gain access to the Emergency Key.
2. Place the 6 mm Allen wrench in the Emergency Key.



3. Turn the wrench counter clockwise. This releases the lock or locks that are holding the shaft and the internal mechanism.
4. If the barrier was in the Locked Up position, it should fall freely.
5. If the barrier was in the Locked Down position, **step on the barrier** as you rotate the key. Your weight will remove the pressure from the latches and allow the key to operate them with ease.
6. Remove the Allen wrench

6: Test

MySpot 200 is shipped with two HT remote controls. These are pre-programmed at the factory, so that the #2 button in each remote control controls the barrier.

The test below verifies normal operation of the MySpot 200 and checks the alignment of the pods.

- With the barrier in the Locked Up position, press the center button on the HT remote control.
- The barrier should drop to the Unlocked position.
- If you hear the motor whirl but the barrier does not drop, repeat step 1 above. If the barrier still does not drop, follow the troubleshooting section at the end of this manual.
- Step on the barrier on the side close to the PowerPod. This simulates the car driving over the barrier. The barrier will yield if you exert at least 85 Kg (190 lbs) and will lock in the Locked Down position.
- Step again on the barrier, and observe the motion of its leading edge. It should move vertically at least 18 mm (3/4") while you stand on it, and should return to the Locked Down position once you step off. Failure of the barrier

Why 3 buttons?

Each button on the HT remote control generates an individual code. That allows one remote control to control 3 individual MySpot 200.



You may use any button for your MySpot, or you can program all 3 for the same unit.

1 or 2 Button Code?

The HT is shipped in the mode where only one button is required to be activated (see above). For applications where more than 3 adjacent barriers need to be controlled, the HT remote control can be set to a two-button mode. Up to 9 adjacent barriers can individually be controlled. A command is sent only after 2 buttons are sent (e.g. 2-1).

See section 7 "Programming".

- to move this "Overtravel" amount means that there is a rise in the roadway between the pods that interferes with the full travel of the barrier.
- If the test failed on the Overtravel, resolve the problem before proceeding to the next step. Solutions include raising the pods or leveling the bump on the roadway.
- Press the button on the HT remote control; the barrier should rise back to the Locked Up position.

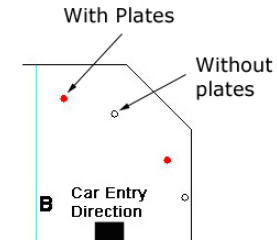
5b: Concrete Installation

Pods' Covers

The PowerPod is factory sealed and should not be opened. It is mounted via 4 bolts that are fitted through the plastic inserts that hold the cover to the base of the PowerPod.

The IdlePod is mounted using 3 bolts — two external bolts and an internal one. The 3rd bolt is added by opening the cover. To protect the internal mechanism of the IdlePod, it is recommended that the cover only be opened after all the drilling has been completed.

- Thoroughly clean the roadway where the pods are to be installed. The surface must be free of sand, gravel and loose particles.
- Place the template in the desired location. Verify that the template is perpendicular to the parking bay stripes.
- Position the assembled MySpot 200 and verify that the surface meets the criteria specified in sections 2 and 3.
- Note that there are two types of holes marked on the template — solid and hollow. **The solid holes** should be used if installing the pods with mounting plates; the hollow holes are for use if installing the pods directly without plates (not recommended).



- Use a 1/4" (6mm) masonry drill to mark the 7 holes in the concrete, by drill about 1/2" (13mm) through the template.
- Remove the template and drill 7 holes using a 10 mm (13/32") masonry drill. Take extra time to make sure that each hole is right on the spot.
- Clean the area and gently hammer in the anchors until they are flush with the surface. Cleaning after the anchors are installed may cause dirt to clog the threads in the anchor.
- Next attach the plates to the anchors.
- Use 7 bolts K10 with washers K8 to secure the 2 plates to the anchors.
- Use tool K12 to lightly tighten the 7 bolts. (See note page 13.)
- Place the barrier and pods assembly over the plates.
- Use the 4 bolts K5 (32mm long) with washers K7 to secure the

What to do if an anchor rotates in its seat:

If the hole is only slightly oversize, use a sharp point to hold the anchor against the wall of the hole and gently tighten the bolt. At some point, the expanding anchor will grip the walls of the hole. Turn the bolt another ½ turn to make sure the anchor is set.

If the hole is too large, you may need to fill it with concrete mix or epoxy, and then re-drill once the mixture has hardened. Inserting the anchor into the liquid epoxy may fill the threads and prevent the anchor from accepting the bolts. If the bolt is placed while the filler is not yet hardened, it may not be able to be withdrawn later.

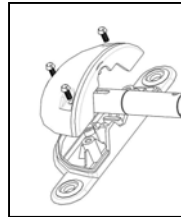
USE THREAD LOCKING

To prevent the mounting bolts from loosening up, it is strongly recommended that a thread locking liquid (such as Loctite Blue) be used on the thread of the Security bolts as they are used. Loose bolts increase the stress on the remaining bolts and can cause metal failure on the mounting ears of the IdlePod or failure of the threads in the plates..



PowerPod to its plate. Once the plates have been secured per note on page 13, tighten the Secure bolts as much as possible.

13. Use the 2 bolts K11, with washers K8 and K14 to secure the IdlePod to its plate. Tighten as much as possible.



14. Remove the cover of the IdlePod by opening its 3 security bolts as shown on the right.
15. Attach the base to the plate with the 3rd bolt K11, washers K14 and K7. Tighten. The picture below shows the IdlePod parts

WARNING! Attaching the 3rd bolt between the IdlePod and its plate IS NOT OPTIONAL. Failure to do so will cause the ears of the IdlePod to break when a car drives over the IdlePod cowling.

NOTE: Unless you are experienced with the installation of MySpot 200, you may have to move the mounting plates somewhat once the two pods are attached to it, to better align the pods. For this reason it is suggested that you only hand tighten the bolts first.

When you feel sure that the plates are perfectly aligned, tighten the 7 bolts securely.

TIP: Use a power drill with a 6mm adaptor to drive the Security Socket K2. It allows much more force as your weight can press against the bolt.



drill adaptor for security bolt.jpg



kit (01-6313) as it is supplied in the MySpot 200 V3 kit.

16. Close the cover of the IP.