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DRivewav^{Grader-Groomer}

Driveway Grader-Groomer DR72

Have you ever used a light weight metal grading tool or maintenance machine on gravel or rock driveways, parking lots, etc.? If you have then you know how annoying and ineffective they can be when traveling over rock and gravel and how they bounce around during use. **Have you ever tried used wide "ripper teeth" on gravel and rock only to quickly discover they won't penetrate?** They can't - they are too wide. There are many suppliers on the market offering light duty machines. If you watch their videos you will only see them grooming rock or gravel that has already been loosened.

Some manufacturers are even trying to sell horse arena drags to unsuspecting customers for gravel and rock renovation and maintenance. **Don't be misled.**



Through years of testing we discovered that Spring Tines loosen gravel and rock. Following the Tines we tried numerous metal implements but they all hopped around and created such a noisy racket that nobody would wanted to use them.

Then, finally, we put our 6-Brush Broom Carriage behind the Tines. It works quite good and is not annoying to use.

If you have a gravel driveway or yard that needs groomed periodically we challenge you to find a better groomer.

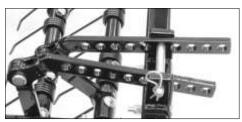


We engineered our Driveway Grader-Groomer with front Vibra Tine Spring Tines that loosen small rock and gravel. The Tines are followed by our exclusively designed Grader-Groomer Carriage. It's very effective for maintaining and renovating rock and gravel, and it's much easier to listen to when being used.



As you can see in these photos this is the first pass on this gravel driveway. It hasn't been pre-groomed to make performance look better than it really is (like many competitor's pics and videos). This driveway was not groomed for two months and had been driven over hundreds of times prior to these photos.





Tine Adjustment System. Easy to choose and set to make the amount of contact desired.



Tongue Hitch Adaptor (included). Adjust Tongue Height.



Extra Pin Storage at each end of machine by axle.



UNMATCHED^{Engineering}

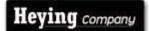
Machine Options-Accessories

MGMT-7200		MGDM-8436			MGGB-7200		MGRM-7200
Magnet Optional Rear Magnet. 72" wide. Aluminum housing for Neodymium Rare Earth Magnets. Strongest available. Includes adjustable height anti scalp turf wheels. Removes ferrous debris while grooming. If you're comparing groomers be sure to ask what type of magnets are used. For example: Other machines use less expensive ceramic magnets. Our neodymium magnets are 10 times stronger than ceramic !		Drag Mat with Rack Only recommended for small rock. Rack attaches to rear of frame. 84" wide x 36" deep steel drag mat.		Metal Leveling Implement Optional 72" wide Metal Leveling / Grading Attachment. Levels and grades small granular material, like infields. Easy to connect or remove from frame. Not recommended on Rock Driveways or Yards. For gravel and small rock we recommend Spring Tines and Broom Carriage.		Rubber Mat The 72" Rubber Mat. May be desired as a rear attachment. Multi-purpose. Heavy duty. Welded frame.	
AL-E- 552 "HW"	AL-E-098 Transmitter Backup I			ectric Control Systems. Want Dual Controls.			
Additional "HW" partial wiring pkg. If you order the "HW" Lift System you might want to wire an additional tow vehicle to pull the groomer. Includes necessary wiring to "Hard-Wire" one additional tow machine.	Additional Wireless Transmitter for "WR" or "PW" Systems. For customers who have "WR" or "PW" Lift System. When you order consider an additional transmitter so you have an extra on hand. We stock Transmitters Ball Coupler H		Can't be broke down? Nee groomer if something happe broken wire, etc.? Then co system except the cylinder terminal AL-E-555 "SB" Backu Most Popular Backup Control "SB" Corded Switc Box Control System "SB" uses temporary alligator clamps to attach your tow machine 12 vo battery and totally bypas the original system. See SB Wiring System for more deta	d peace of mind ns to your origin nsider a "backu . Choose a bac s to connect to up AL-E-5 . "PW" h Cor n. "PW" alligator to your to lt battery s the	nal lift system, like a dea p" control that will bypa	p control ad battery ss the en nporary a 12v batter 4L-E- "SG" Box "SG" c batter 3/8" Ri bypas	system to operate the , misplaced transmitter, tire original electric lift alligator clamps or ring
MGCP-1875 (1-7/8") MGCP-2000 (2")	1-7/8" or 2"	Coupler F Coupler size: punts to end o	s available.				



$5\,$ Electric Lift Systems ${\scriptstyle \&}$ How They Work



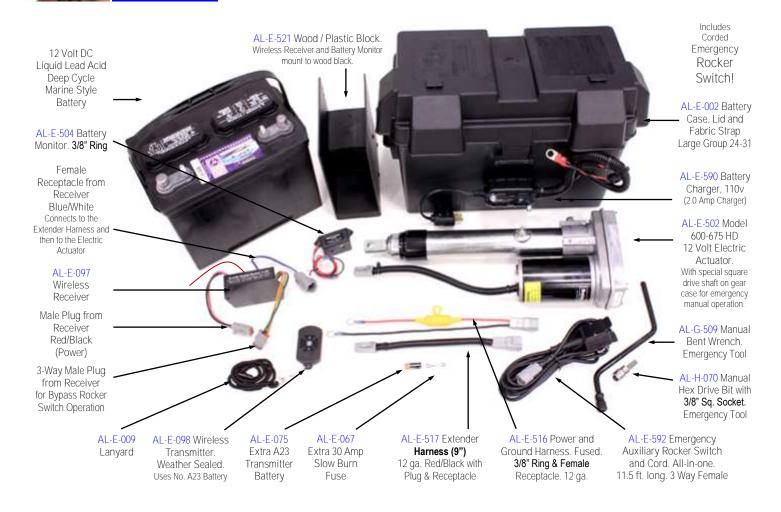


"WR" Wireless Remote Control + On-Board 12v Electric System

Wireless remote operator control with On-board 12v battery provides the ultimate in user ease and flexibility. Exclusive wireless remote transmitter and receiver, on-board 2.0 amp battery charger, battery monitor (alerts when battery needs charged), plastic battery case, sealed connectors, emergency bypass rocker switch & cord, and 2 manual tools.



Nothing Else like it on the market!



Advantages: Exclusive "one-of-a-kind" control system....only offered by Heying Company! Made in USA!

Wireless Remote (hand held transmitter) Control - the Ultimate in user convenience (receiver mounts inside battery compartment). The wireless remote control has immediate response when a button is pressed. It never goes to sleep like many other wireless systems. Pull with a variety of tow machines. Can quickly switch from one tow machine to another. On-board electric system is completely self contained. On-board 2.0 amp battery charger has safe technology so it can (and should) be plugged in whenever the groomer is not being used. On-board battery monitor emits an audible alert when the battery needs to be charged.

No wiring needed to user tow machine. No Cords.

Corded Auxiliary Switch (and cord) included. 11 ft. long. Use to operate electric lift if transmitter is misplaced. Stores inside battery case. On-board electric system also makes it easier to move the groomer even when it's not connected to a tow machine (such as inside a storage shed).

Disadvantage: (Not really a disadvantage) User needs to keep the on-board battery charged. Just plug in the battery charger (use a standard 120v cord).



Worried about losing the Transmitter? System comes with 11.5 ft. long Corded Rocker Switch and two (2) manual wrenches that can be used in an emergency to manually raise / lower the electric cylinder. **Consider a "Backup Control System".** Customers who run tournaments or those who just want the peace of mind that they can operate the groomer if they have any problems (misplaced transmitter, dead battery, etc.)...will consider the "SB" Backup Operating System. The "SB" System is portable and can connect to any tow machine 12v battery. It's not used on a daily basis. Rather, it's stored, and used only when there is a problem with the main control system. It will override / bypass the entire original electric system (except the Cylinder).

Great Backup Control



ΜR



The 4 Conductor Tongue & Power Wire runs 2 way power towards the operator (through whichever extension wire is used) and onto the SwitchBox. From switch 2 way control is returned to the actuator on groomer.

The 12 ft. length extension wire is popular with customers who have UTV type tow machines. The 5 ft. length extension wire is popular with customers who have shorter tow machines such as garden tractors. Tongue Wire always stays on the groomer. Tongue wire connects at rear of tow machine to of 2 extension wires. 5 ft. Tongue wire connects at receives power from battery and returns power to elec Actuator on groomer.

Advantages: 12 volt electric system completely on-board the groomer provides all the power needed for lift / lower functions. Your tow machine battery is not needed to power the groomer electric lift (doesn't wear down your tow machine battery). Provides all day use. On-board 2.0 amp battery charger has safe technology so it can (and should) be plugged in whenever the groomer is not being used. On-board battery monitor emits audible alert when the battery needs to be charged. Versatile, Easy to Use, and Portable. Pull groomer with a variety of tow machines. Made in USA! Disadvantages: Inconvenience of having cords. Must pay constant attention to protecting the cords during use.

Note: This SG System is one of two systems we offer with 12 volt battery on-board the groomer (WR is the other).





Corded SwitchBox Control powered by your Tow Machine 12v Battery. Hand held corded SwitchBox controller connects to the user's tow machine 12v battery (with alligator clips) to supply power to the electric lift on the groomer. Portable. Easy to move from one tow machine to another. Includes two extension wires. 12 ft. long extension wire popular with customers who have long UTV's and the 5 ft. long extension wire popular with customers who have shorter tow machines such as garden tractors. Can be used as a everyday lift control system, or, as an optional backup to other operator lift control systems.



Advantages:

Versatility to quickly switch to a different tow machine (control system is portable).

SwitchBox is completely weather sealed (unlike anything on the market). Made in USA!

Two "Cylinder Extension Wires" included (5 ft. and 121 ft.) so the user can decide which works best for their use.

Ability to be used as a primary (everyday) lift control system or as a backup to other operator lift control systems (use when needed).

No battery on-board the groomer to worry about (but it does need power from your 12v tow machine).

We include a battery compartment (even though a battery is not included). Very useful to store control parts and tools.

Disadvantages:

Inconvenience of having cords. Must pay constant attention to protecting the cords during use.

Big Users (who have lots of grooming) could experience this system wearing down the battery of their tow machine.

This system requires power from user tow machine. User cannot raise and lower implements without being attached to tow machine for power.

Since power is supplied by a tow machine the groomer is more difficult to move around storage shed, etc.

Note: We have 2 Systems (WR and SG) that provide 12 volt power from the groomer so they don't need power from your tow machine.



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7

SB



"PW" Portable Wireless Remote Control.

Same wireless Transmitter - Receiver as the "WR" but uses 12v battery of user's Tow Machine for power. Includes portable power harness that connects to tow machine battery. The groomer also has a connection harness. These two wires connect at the rear of the tow machine to power the electric system. "Worried about losing the Transmitter"? We include a corded auxiliary rocker switch & cord that can be used as a temporary backup control of the electric lift if you misplace the wireless transmitter.

Unlike anything else on the market!



Advantages:

Wireless Remote Control System for "the Ultimate in User Convenience" at a lower price than the "WR".

The wireless remote control has immediate response when a button is pressed. It never goes to sleep like many other wireless systems. Lighter weight than the "WR" system (No battery so is not as heavy to lift the tongue). Advantage especially for those who want the

Spring Tine Scarifier on their groomer (Spring Tine Scarifier mounts to front of machine thus adding weight to the Tongue). Portable System. Pull with a variety of 12 volt tow machines. Can quickly switch from one tow machine to another. Disadvantages:

Inconvenience having to plug in the connector (when connecting to tow machine) and unplugging connector behind tow machine (when unhooking). For some big users (lot of fields or lots of grooming on fewer fields) this system could wear down the battery of the tow machine.

If this is a concern then consider the "WR" system.

This system requires power from user tow machine 12v battery. User can't raise or lower implements without being attached to tow machine for power. Note: The "WR" is the only system that does not require power from user tow machine.



Worried about losing the Transmitter? System comes with 11.5 ft. long Corded Rocker Switch and two (2) manual wrenches that can be used in an emergency to manually raise / lower the electric cylinder. **Consider a "Backup Control System".** Customers who run tournaments or those who just want the peace of mind that they can operate the groomer if they have any problems (misplaced transmitter, dead battery, etc.)....will consider the "SB" Backup Operating System. The "SB" System is portable and can connect to any tow machine 12v battery. It's not used on a daily basis. Rather, it's stored, and used only when there is a problem with the main control system. It will override / bypass the entire original electric system (except the Cylinder).

Great Backup Control



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"HW" Hard-Wired Operator Lift Control System (12v only)

System uses 12v battery of your tow machine. Includes all necessary wiring, in-dash mountable rocker switch, electric cylinder (actuator), fuse holder, fuse, wire, connectors, protective split loom, cable clamps, and zip ties.

For users who have a tow machine with a dash panel that will accept a Rocker Switch, who want the convenience of a dash mounted rocker switch, and who want to always use the same tow machine to pull and operate the groomer this is the operator system of choice. Note: Optional additional wiring package available for users who wish to wire more than one tow machine to pull and operate the groomer. See optional "HW" tow machine wiring package information.



Advantages: Rocker Switch is installed on dash of Tow Machine for convenience.

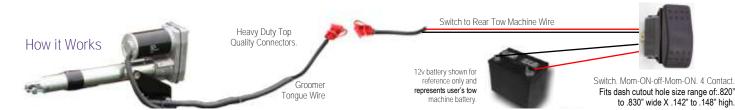
Easy to use connectors at the groomer tongue and rear of tow machine.

Disadvantages: User must dedicate a specific tow machine to always pull the groomer. Or, order additional wiring packages for more tow machines. You can also consider an optional SB or SG or PW System to use as a portable backup for when the original dedicated tow machine is not available to pull the groomer. *See optional accessories*).

Big Users (who have lots of grooming) could experience this system wearing down the battery of their tow machine.

Since power is supplied by a tow machine the groomer is more difficult to move around storage shed, etc.

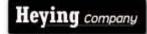
Note: The "WR" and "SG" systems have 12v batteries on board the groomer. They do not need to connect to the user's Tow Machine to power the groomer.





"HW". Concerned about having only one Tow Machine able to operate the groomer? Consider an additional "HW" Wiring package (optional) to wire a second Tow Machine. Or consider a "Backup Control System". Customers who run tournaments or those who just want the peace of mind that they can operate the groomer if they have any problems (misplaced transmitter, dead battery, etc.)....will consider the "SB" Backup Operating System. The "SB" System is portable and can connect to any tow machine 12v battery. It's not used on a daily basis. Rather, it's stored, and used only when there is a problem with the main control system. It will override / bypass the entire original electric system (except the Cylinder).

Great Backup Control



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ΗW

WARRANTY (All Groomers from Heying Company)

Heying Company machines carry the following limited warranty, from date of possession to the end user, on parts and workmanship, and to be free of defects, under normal and intended use and service conditions, of: 3 years parts and workmanship on Heying Company manufactured parts.

- One (1) Year on parts not manufactured by Heying Company, including but not limited to:
 - Wheels, brushes, electrical cylinder (actuator), electric system parts, wireless remote control systems, switches, batteries, chargers, etc.

Excluded is this warranty is Normal Wear and Tear on Parts resulting from natural and intended use.

Heying Company's obligation under this warranty is limited to replacement or repair at the manufacturer's option.

Proof of purchase must accompany any and all warranty claims to Heying Company.

This warranty does not extend to any product or damage to a product caused by, or attributed to freight damage, abuse, misuse, improper or abnormal usage, improper storage or changes and repairs unauthorized by Heying Company including to towing machines.

All freight damage claims must be made immediately and directly to the freight carrier by the purchaser or end user. It is not the responsibility of Heying Company to report damaged freight to freight companies. We guarantee that all shipments leave our facilities free from damage.

Heying Company is not liable for direct or indirect, special or consequential damages arising from, or in connection with, the use or performance of the product or damages with respect to any economic loss, personal injury, loss or damage to property, loss of revenues or profits, or loss of enjoyment.

Any full machine, assembly or individual part returned to Heying Company for refund, replacement or repair must have sufficient proof of purchase included, prior written authorization from Heying Company, be packaged as instructed by Heying Company, and have all freight charges prepaid.

Product returns are subject to re-painting and re-stocking charges.

No other warranty beyond that specifically stated above is authorized or intended by Heying Company.

Choosing a tow machine is the sole responsibility of the user. User should always consult with the towing machine manufacturer for towing capacity and suitability. Heying Company makes no claim and carries no responsibility as to the ability or capacity of any towing machine to be used.

Acknowledgment and Assumption of Risk. Release of Liability; Indemnification.

Rear attach groomers are designed to attach directly to a customer's vehicle, tractor, etc. (and will not include a wheeled frame or tongue for pulling). The desire for direct attach groomers comes from customers needing "convenience". Even though these types of groomers could prove to be somewhat less effective there are customers who understand this and are willing to sacrifice some function to gain convenience. Examples of vehicles used for "direct attach groomers". Utility vehicles like the JD Gator TX. UTV's, Side by Sides, Small Tractors, etc. Heying Company is not responsible for damage or harm to vehicles, or to person's operating the vehicle and / or groomer. Customer agrees that they are solely responsible to attach to and operate their vehicle or Tow Machine, they understand they are responsible to assure the safety of operators, and that they willingly attach this groomer to their tow machine with full knowledge that they are responsible to make sure it will not cause damage to their vehicle or any person operating the vehicle. Customer acknowledges that by ordering a groomer they have read and understand all aspects of their responsibility of pulling, attaching, and operating all equipment.

Participant acknowledges that operating motorized vehicles and attached equipment can be an extreme test of a person's physical and mental limits and carries with it the potential for death, serious injury and property loss. The risks include, but are not limited to, those caused by terrain, vehicular traffic and the actions of other people including, facilities, temperature, weather, and physical and mental fitness. These risks are not only inherent to equipment operators but are also present for volunteers and anyone else desiring to participate in these activities. Participants acknowledge, agrees and represent that they will inspect the equipment to be used or operated by him/her and further agrees and warrants that, if at any time, he/she is in or about equipment will immediately advise appropriate officials of such and if necessary leave the area or equipment and/or refuse to further participate in these activities.

Release of Liability; Indemnification; Acknowledgement of Risk. Participant hereby waives, releases and discharges, on behalf of Participant and **Participant's executors, administrators, heirs, next of kin, successors and assigns, Heying Enterprises and authorized dealers**, and their respective **directors, officers, employees, volunteers, agents from any and all liability for customer's death, disability, personal injury**, property damage, property theft, lost income or any other losses, costs or actions of any kind whatsoever, which hereafter may directly or indirectly accrue to customer through training or participating in the act of use of Heying Equipment and their Tow Vehicles. Customer agrees to indemnify and hold the Releasees harmless **from and against any and all liability, loss, damage or injury as well as all costs and expenses (including attorneys' fees and costs of any suit related thereto)**, suffered or incurred by Releasees, to the extent arising from any of customer actions whatsoever whether now or in the future, including but not limited to negligent, intentional or reckless misconduct, acts or omissions. Participant understands that there are inherent hazardous risks associated with the operation of equipment which could include serious injury or death, and customer freely assumes the risk of any and all injuries that customer may sustain while using this equipment. Customer agrees that no person with insufficient physical fitness, alertness, sobriety, vision, or medical ability shall operate the equipment and that all operators shall have adequate training before being allowed to operate said equipment. Governing Law. Except to the extent that this Agreement may be governed by any federal law, this Agreement shall be governed by, construed and interpreted under, and enforced exclusively in accordance with the laws of the State of lowa in the United States.



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