

HYDRASTAR®

Controller Adapter Module

Controller Adapter Module (HBA-CAM) for GM and some Ford, Dodge and after-market Brake Controllers.

Hydrastar HBA-CAM allows any factory installed brake controller to be compatible with the Hydrastar Brake Actuator for electric over Hydraulic trailer braking systems.



HBA-CAM is intended only for use with GEN 6 Hydrastar products. Wiring the HBA-CAM to an older version Hydrastar will damage the HBA-CAM.

The Hydrastar has 2-wires and a bleeder fitting on top. If your Hydrastar does not have these features, do not attach the HBA-CAM.

Using certain factory installed brake controllers with the Hydrastar result in failure error signals from the controllers and "clicking" from the Hydrastar. Both of these problems are the result of the electrical verification pulses sent out by the controller. When the pulses hit the Hydrastar instead of the electric brakes on a trailer, it issues an error code. The pulse also momentarily turns on the Hydrastar's motor, creating the "clicking" noise. This start/stop of the motor could damage the Hydrastar.

The HBA-CAM splices into the Hydrastar's wiring on the trailer and can be mounted anywhere it is convenient. The module intercepts the verification signals and electronically answers them showing everything to be normal. The error codes are eliminated* and the Hydrastar motor "clicking" stops. The braking performance of any controller is not changed by the HBA-CAM. The HBA-CAM is not recommended for use with other manufacturer's brake actuators that exhibit similar symptoms. The HBA-CAM should only be used with Hydrastar Actuators.

**Under laboratory testing it is possible to make some truck factory controllers produce error codes even with the HBA-CAM installed. With the gain set at 5 or less, and rapidly cycling the manual braking switch for a minute or more, error codes could be seen. It is important to note that it is inconceivable that this condition would occur in normal vehicle and brake operation.*

*** Only Gen 6 Hydrastar Actuators should be used with the 381-7073 HBA-CAM. You may identify a GEN 6 unit by the serial number located on the Hydrastar label.*

Model	Serial Number
MHBA-10	313800 or higher
MHBA-12	705700 or higher
MHBA-16	506100 or higher

2 YEAR LIMITED WARRANTY

Hydrastar Brake Actuator Delivers the Industry's FASTEST RESPONSE to Provide MAXIMUM BRAKING Safety!

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TRAILER BRAKE ACTUATORS

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