TRAILER BRAKE CONTROLLER COMPATIBILITY GUIDELINE

After Market Trailer Brake Controllers

Time Based Controllers

Time Based Brake Controllers are typically brake controller options with limited braking control and diagnostics. Although they will still brake the trailer, they are not as effective as inertia based controllers. The Trailer Safety Control TSC system can work with a timed based controller, however this brake control is not optimised and will likely result in increased activation of the ABS system.

Bosch recommends that an inertia based controller is used with Bosch Trailer Safety Control, NOT time-based brake controllers.

Inertia Based Controllers

The majority of controllers on the market offer an inertia sensor as control. This allows the sensor to base its braking control level on the tow vehicles stopping inertia. Therefore, lighter braking on the vehicle will not result in heavy braking on the trailer. Matching of braking levels on the trailer and tow vehicle are achieved more easily resulting in a more effective and comfortable braking.

Bosch has sought to test with as many of the available aftermarket inertia based brake controllers as possible, to ensure compatibility of the trailer brake controller operation with the TSC system. This guideline outlines the controllers which have been tested and the resulting compatibility.

Vehicle Integrated Trailer Brake Controllers

Typically, vehicle integrated controllers have more advanced brake control and diagnostics. Inertia is often the main brake control parameter. Additional signals such as driver braking level, vehicle ABS active and vehicle brake modelling can be used to further adjust the brake signal level.

If the electric brake controller is not satisfied with the TSC internal load simulator, an external simulated load can be switched on to the brake circuit by the TSC (to be configured and installed by workshop or dealer).

BRAKE CONTROLLER AND VEHICLE MANUFACTURERS TYPICALLY UPDATE SOFTWARE AND HARDWARE AS ISSUES ARE FOUND, OR AS NEW FUNCTIONALITY IS ADDED. THESE UPDATES ARE NOT OPENLY PUBLISHED. AS NEW BRAKE CONTROLLERS ENTER THE MARKET OR CHANGES ARE DISCOVERED, BOSCH WILL TEST THEM FOR COMPATIBILITY AND UPDATE THESE GUIDELINES. FOR AN UP-TO-DATE GUIDELINE VISIT WWW.BOSCH.COM.AU. END USERS THAT UTILIZE A CONTROLLER NOT VERIFIED IN THIS GUIDELINE ARE RESPONSIBLE FOR VERIFYING COMPATIBILITY.

After Market Trailer Brake Controllers Compatibility

Manufacturer	Model	Compatible
REDARC	Tow-Pro (EBRH-ACC)	Yes
	Tow-Pro Elite (EBRH-ACC V2)	Yes
Tekonsha	Primus IQ	Yes
	Prodigy P2	Yes
	Prodigy P3	Yes
	Sentinel	No
	Voyager	No*
Dexter	Predator DX2	Yes
Hayes	Energize III	Yes
	Endeavour	Yes
	G2 Brake Boss	Yes
	Genesis	No*
Hopkins	Agility	Yes
	Insight	Yes
GSL	RBC-12	Yes
	XLE-12	Yes
Hayman Reese	Compact IQ	Yes
Curt	TriFlex	Yes

* Compatible with external simulated load

Vehicle Integrated Trailer Brake Controller Compatibility

Manufacturer	Compatible
General Motors	High Confidence
Ford	High Confidence
RAM	High Confidence
Toyota	High Confidence
Nissan	Untested