

Accessories to Maintain and Enhance Productivity

SmartCart accessories are updates and add-ons for virtually any SmartCart system. These accessories enhance productivity and flexibility in many systems.

Also included are some product items that may not have been available when you purchased your initial SmartCart AGC System.

Wired Pendant C1120237

This new version of the Manual Pendant C1112430 was introduced



in January 2014 and allows AGCs to be driven when not in Automatic Mode, same as the previous pendant version.

The following is a list of features compared to the old pendant C1042936:

- 40% lighter (weighs just over a pound)
- 34% smaller
- More ergonomic
- “Left-handed” friendly

- Protected control knobs
- Mode selection names now describe actual functionality
- This “wired” pendant is backward compatible to replace all uses of the C1042936 pendant.
- Same sell price as old pendant

This pendant is also offered in an AGV version with mode names that match the C1042936.

Wireless Pendant C1120238

The Wireless Manual Pendant C1112431 allows AGCs to be driven wirelessly when not in Automatic Mode.



Bluetooth plug for AGC

Added Hardware vs. Wired Pendant

- Bluetooth plug for AGC
- Inside Pendant
 - Battery Pack
 - Bluetooth
- Pendant Battery Charger

Features

- AGC bumpers are active during Wireless Pendant use
- Detachable / replaceable cable
- Requires use of wired cable when bumpers are obstructed
- Uses Bluetooth pairing technology
- Range 30'+
- Charger is cUL & CE labeled.
- Charger plug is US, EU, UK, & AU compatible.
- Compatible with all AGCs made since 2014.

Compatibility for AGCs made prior to 2014

- Requires a wiring change to AGC in Pendant Plug Receptacle
- CCU firmware V5.40 or later
- Proface HMI software
 - 3.8" HMI v2.14+
 - 5.7" HMI v2.16+
- Not available for V2-V4 CCU Board AGCs

Contact Daifuku for AGC Upgrade

Mechanical Pushrod Assembly C1112253

A simple approach to an ergonomic problem. Tunneling is a great application for moving trailers, which keeps the footprint of a loaded AGC small. However, this usually causes the operator controls to be at floor level. Accessing them then requires the operator to bend over, opening the door to a possible stress injury.



The mechanical pushrod assembly solves this problem by being permanently attached to the trailer giving the worker waist level access to the Start and Stop pushbuttons, when the trailer is attached to the AGC.

The C1112253 is available for use with Model 100 products only.

Trailer Hitch C1112240, for Model 100 Pop-Up Pin

This hitch offers a robust hitching method for tunneling applications. Designed specifically to work with Model 100 pin size and hitch height.



Features

- Drive through from rear only
- Dependable coupling
- Sturdy steel construction
- Bolt on

Drive Lifter Dolly

In instances where an AGC cannot be driven using a pendant, when it is broken or damaged, the Manual Drive Lifter is used. This is also sometimes called the Rescue Dolly.

The lifter engages the front of the vehicle under the laser scanner guard, allowing the vehicle to be moved manually when not powered.

For 100TT/100ST
C1096677

For 300TT C1114165



On-Floor Magnetic Tape Path C1102018 – 100' roll

Our magnetic tape is unique in the industry. It is specially designed to provide the best magnetic signature for our patented quad-channel data stream sensor.



Floor Marking/Protection Tape

In 2009 we started exclusively using Protective Tape, rather than Epoxy Coating, to protect magnetic tape path. This product offers ease of installation and good durability in addition to other benefits.

This floor marking tape can also be used to mark work areas and other tasks that are traditionally done with paint.



All are offered in 100' rolls with a width of 4".

Black C1094974
Yellow C1098120
Black/Yellow C1115589
Gray C1111151

In-Floor Bar Magnet Path C1098512 – 66' Spool

Many systems are initially installed with magnetic tape and protective tape covering it. If you are experiencing frequent path damage and can accept your floor being cut to install it, in-floor bar magnet may be a good option for you. Part or all of your system can be replaced with Bar Magnet. So if maintenance relief is needed only in a few areas, this can be done with Bar Magnet and transition from tape to bar can be seamless to the AGC.



Contact Daifuku for installation documentation.

On-Floor Transponders C1092489

Our RFID transponder technology uses factory preset 10 digit numbers to ensure uniqueness and to keep the cost down. While SmartCart AGC's use patented look-up tables to allow association to logical locations for CartTools configuration.



In-Floor Transponders C1094859

Similar to In-Floor Magnetic Path, these transponders can be drilled into the floor so that they are almost impervious to damage or loss.



Contact Daifuku for installation documentation.

Computer/USB Transponder Reader C1097179

This Transponder Reader is a handy tool for installing and maintaining your SmartCart AGC system. It plugs into any computer via USB allowing the user to read transponders directly into CartTools® software.



Auto Charge

Auto Charge allows SmartCart applications to be completely "hands-off" equipment, where no interaction is required by plant personnel to keep the batteries operational.

The vehicle simply drives over the floor plate and slides the charge

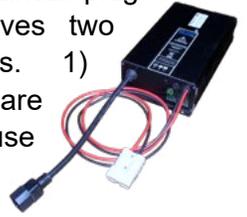


shoes onto the charge plate. While a standard CartTools® command causes the charge circuit contactor to close, allowing the Off Board Charger to "see" the battery pack, so charging can commence.

All charge plates are installed on the floor. There are two options for the power conductors to the charge plates to be on-floor or in-floor.

Maintenance Charger

The 20 Amp manual plug-in charger serves two main purposes. 1) Some systems are designed to use this charger to charge AGCs during off-shift hours instead of Automatic Charging. 2) This charger is used to maintain batteries being used in an Automatic Charge implementation by topping off the batteries once-a-week or once-a-month, depending on the system.



Recovery Charger to extend Battery Life C1113732

In 2013, we introduced a new manual "Battery Maintenance and Troubleshooting Guide" after discovering issues that can be averted with proper maintenance. This new charger is identified in this manual to "desulfate" batteries to properly maintain batteries and extend battery life.



Contact Daifuku for the "Battery Maintenance and Troubleshooting Guide" manual to discover how and when this charger is used.



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DAIFUKU

30100 Cabot Drive • Novi, MI 48377 USA
248-553-1000 phone
info@Daifukuna.com • www.Daifuku.com

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