



KAIROS AUTONOMI

Pronto4 Hardware Varieties

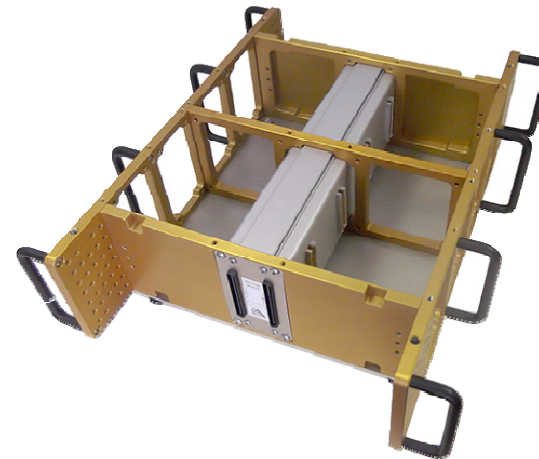
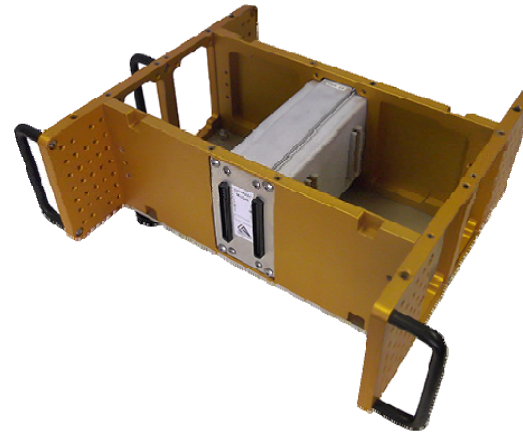
January 2015



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Various technologies patent pending.

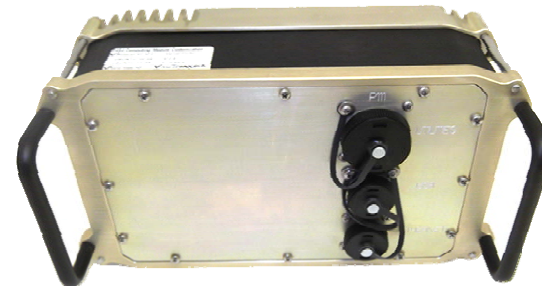
Pronto4 Frames

- Series 4 Mini Frame
 - P/N: MCA-00073
 - 4 Utility Bays
- Series 4 Planar Frame
 - P/N: MCA-00042
 - 8 Utility Bays



Pronto4 CPUs

- Full Computer Module
 - P/N: MCA-00015
- Reduced CPU (Tele-op)
 - P/N: MCA-00086
- Alternate CPU
 - P/N: MCA-00128
 - (Series 5 Candidate)



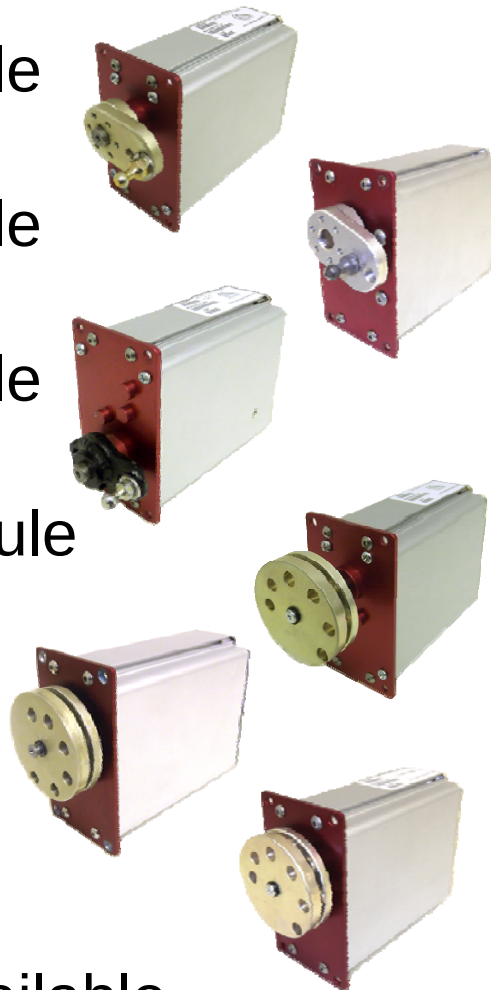
Pronto4 Service Modules

- Full Service Module
 - P/N: MCA-00012-02
- Alternate Service Module
 - Integral Processing Capability
 - P/N: MCA-00134



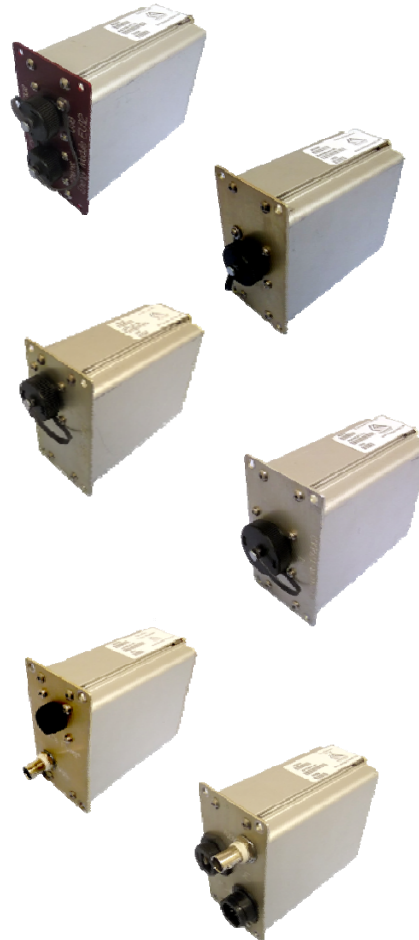
Pronto4 Motor Modules

- 10 RPM Motor Module
 - P/N: KA700-01-37
- 15 RPM Motor Module
 - P/N: KA700-01-07
- 30 RPM Motor Module
 - P/N: KA700-01-08
- 200 RPM Motor Module
 - P/N: KA700-01-59
- 2 ft/lb Motor Module
 - P/N: KA700-01-10
- 4 ft/lb Motor Module
 - P/N: KA700-01-09
- Additional motors available



Pronto4 Utility Modules

- Energy Module
 - P/N: KA700-01-63
- OBD-II Module
 - P/N: KA700-01-05
- J1939 CANBus Module
 - P/N: KA700-01-60
- External I/O Module
 - P/N: KA700-01-100
- Video Overlay Module
 - P/N: KA700-01-90
- Multi-function Module
 - P/N: KA700-01-51
- Additional utility modules available



Pronto4 Steering Rings

- Pronto4 Steering Ring 10"
 - P/N: KA100-01-162
- Pronto4 Steering Ring 12"
 - P/N: KA100-01-192
- Pronto4 Right Angle Steering Ring
 - P/N: KA100-01-171
- Pronto4 Steering Motor Module
 - P/N: KA100-01-196



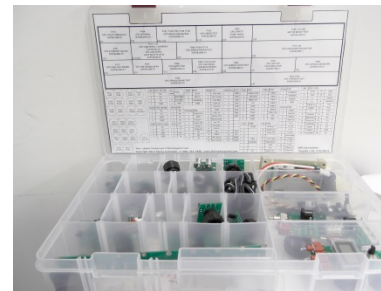
Pronto4 Handheld Devices

- Pronto4 SafetyPoint
 - P/N: KA227-01
- Pronto4 SafetyDirect
 - P/N: KA232-01



Pronto4 Hardware and Support Kits

- Installation Hardware Set
 - P/N: KA251-02
- Installation Support Hardware Set
 - P/N: KA251-03
- CPC Test Board Set
 - P/N: KA251-01
- Development and Maintenance Kit
 - P/N: KA251-04





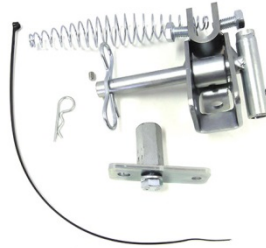
Brake Attachment,
Large Vehicle
P/N: MCA-00105



Brake Cable
Bracket, Standard
P/N: MCH-00268



Brake Cable Arm
P/N: 3rd-00102



Brake Clamp
Attachment Set
P/N: 3rd-00010



Brake Cable
Bracket, Tall
P/N: MCH-00268-01



Brake Attachment Kit
(Regular, Universal)
P/N: MCA-00121



Brake Cable
Bracket, Single Hole
P/N: MCH-00089

ACCESSORIES



Brake Attachment Kit
(Long, Universal)
P/N: MCA-00122



Brake Cable Bracket,
Single Hole (Tall)
P/N: MCH-00089-01



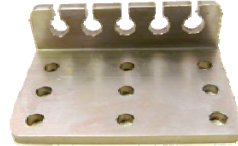
Brake Cable Arm
P/N: MCH-00216

Additional brackets available

Throttle Brackets



Throttle Cable
Bracket, Standard
P/N: MCH-00166



Throttle Cable
Bracket, Large
P/N: MCH-00049



Throttle Cable Arm
P/N: MCA-00067



Throttle Pulley
Bracket
P/N: KA100-01-133



1/4-28 Clamp Adapter
for Cable Clamps
P/N: MCH-00182

Additional brackets available

Transmission Brackets



Transmission Cable
Bracket,
P/N: MCH-00269



Transmission
Actuator Arm (Long),
P/N: MCA-00024



Transmission Actuator
Arm (Short),
P/N: MCA-00074



Transmission Cable
Bracket (Single Hole),
P/N: MCH-00090



Transmission Bracket
(Jeep Cherokee),
P/N: MCH-00390

Additional brackets available



Transmission Cable
Bracket (Single Hole
Tall),
P/N: MCH-00090-01

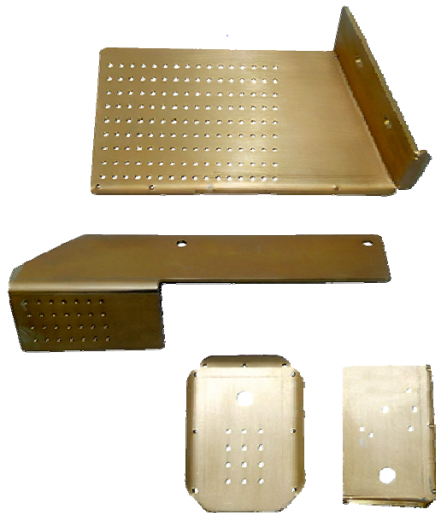


Transmission Assembly
Kit (2013 F-150),
P/N: MCH-00109

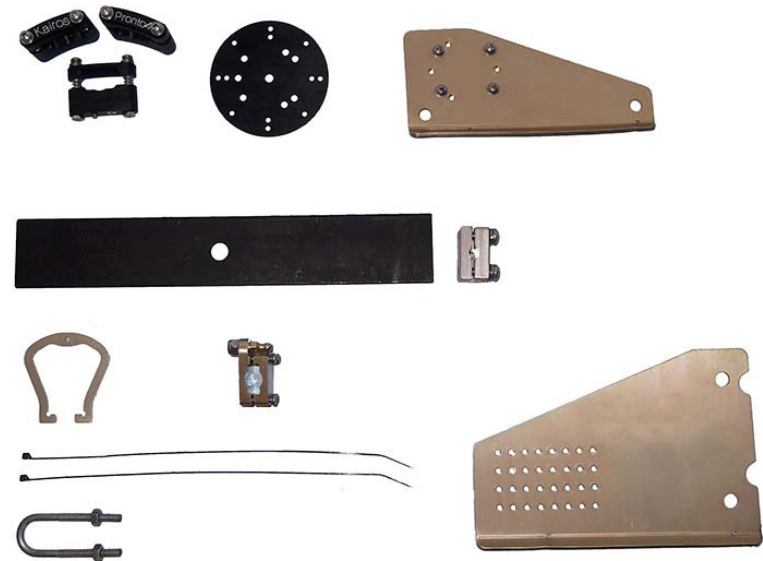


Transmission Bracket,
P/N: MCH-00181

Vehicle Bracket Systems



Stryker Bracket Set,
P/N: MCA-00114



HMMWV Bracket Set,
P/N: KA100-01-191

Additional bracket systems available

Steering Ring Brackets and Attachments

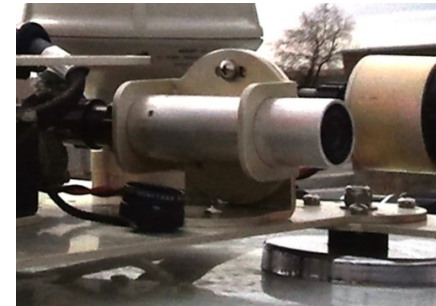
- Steering Brackets, Small
– P/N: MCH-00316
- Steering Brackets, Medium
– P/N: MCH-00201
- Steering Brackets, Long
– P/N: MCH-00179
- HMMWV Steering Wheel Clamp Set
– P/N: KA100-01-151
- Steering System Mount - Expandable
– P/N: MCA-00045
- Steering System Mount - Fixed
– P/N: MCA-00202



Additional brackets and attachments available

Cameras

- Pronto4 Camera with Mount
 - P/N: KA208-01-07
- Camera with Self-Clean
 - P/N: KA208-02
- Infrared Camera
 - P/N: KA208-03
- Extreme Cold Weather Camera
 - P/N: KA208-01-09



Radio

ACCESSORIES

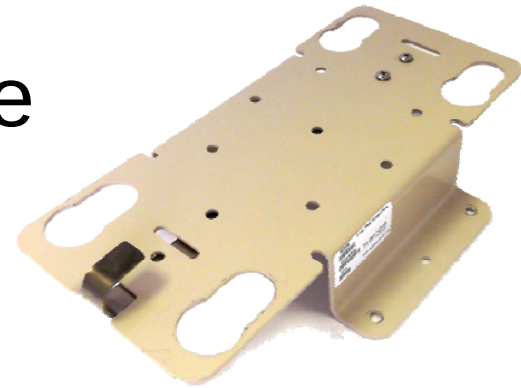


- Aetheric Multi-Band Radio Datalink
 - P/N: KA200-18
- Multi-Band Fused Network Radio System
 - PN: KA200-19
- Single Band Network Radio System
 - PN: 3RD-00231

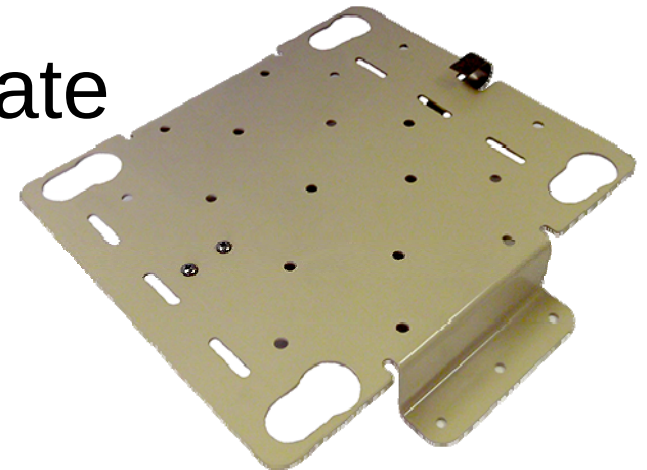


Mounting Systems – Pronto4 Plates

- Pronto4 Mini Mounting Plate
– P/N: MCA-00068

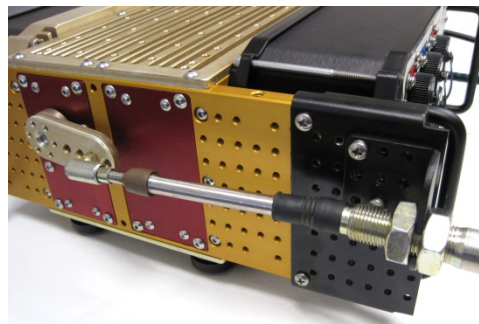
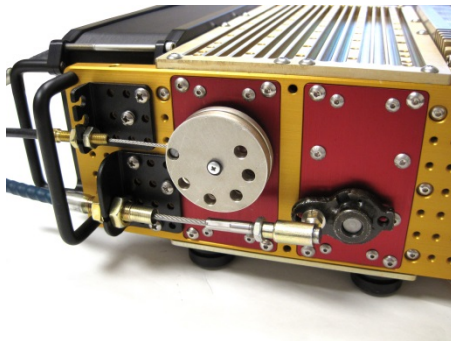
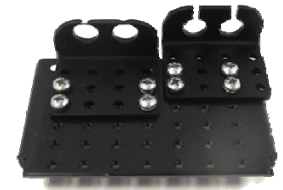


- Pronto4 Planar Mounting Plate
– P/N: MCA-00091



Mounting Systems – Pronto4 Sleds

- P4S4 Sled
 - P/N: MCH-00228
- Pronto4 Throttle Sled Assembly
 - P/N: MCA-00050
- Pronto4 Brake / Transmission Sled Assembly
 - P/N: MCA-00051



Mounting Systems - Miscellaneous

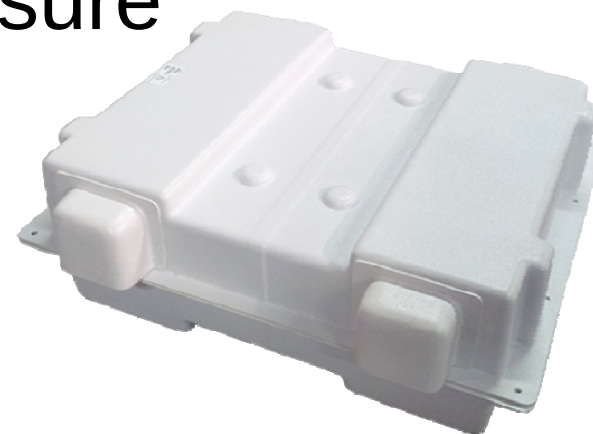
- Pole Mounting Bracket
 - P/N: MCH-00444
- Pole Mounting Bracket
 - P/N: MCH-00440
- Exterior Cable Housing Mount
 - P/N: MCA-00060
- U-Bolt
 - P/N: MCH-00057



Additional mounting systems available

Protection Enclosures

- Pronto4 Series 4 Armor
 - P/N: KA100-01-174 (Mini)
 - P/N: KA100-01-178 (Planar)
- Pronto4 Mini Weather Enclosure
 - P/N: KA100-01-184



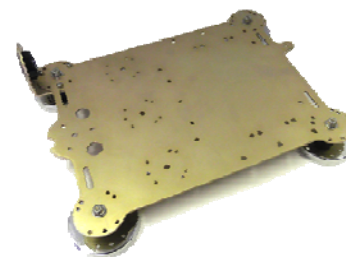
Laser Safe Kit

- Laser Safe Kit
 - P/N: KA606-01



Roof Rack

- Series 4 Roof Rack
 - P/N: MCA-00135
- NGB Roof Rack
 - P/N: MCA-00095
- HSMT Roof Rack
 - P/N: MCA-00136
- MLT Roof Rack
 - P/N: MCA-00047



Safety Equipment

- Hardwired E-stop Button
 - P/N: KA213-02
- OCU E-Stop Button
 - P/N: KA700-01-04
- Vehicle Integration Module
 - P/N: KA700-01-20
- VIM Bypass Loopback
 - P/N: CBL-115
- Warning Light and Audible Alarm
 - P/N: KA229-03



Sensor Mounts

- INU
 - P/N: MCA-00070



- Cairn GPS
 - P/N: KA201-06



- Augmented GPS System
 - P/N: KA201-07



Additional mounts for sensors available

Custom Cabling

- Brake Actuator Mechanical Cable
 - P/N: KA100-01-146
 - This cable has a common length of 60 inches
- Transmission Mechanical Cable
 - P/N: KA100-01-111
 - This cable has a common length of 88 inches
- Throttle Actuator Mechanical Cable
 - P/N: KA100-01-135
 - This cable has a common length of 120 inches



Sizes and length vary with part number

Power Management

- Low Power Module
 - P/N: KA700-01-112
- Remote Power Module
 - P/N: KA246-01
- POE Injector Module
 - P/N: KA700-01-03





Contact Information

Joshua Appleman
Sales Engineer
330-245-6911 mobile
joshua_appleman@kairosautonomi.com

Troy Takach
President and CEO
801-870-8470 mobile
troy_takach@kairosautonomi.com

801-255-2950 office
801-907-7870 fax
www.kairosautonomi.com