aimshop

• LAP TIMERS • LOGGERS • CAMERAS • DASHES • SENSORS • AND MORE
SHOP NOW

AiM InfoTech

ARCTIC CAT - WILDCAT XX

Release 1.00

VISIT SUPPORT CENTER
SOFTWARE DOWNLOADS | FIRMWARE UPDATES | PRODUCT DOCUMENTATION

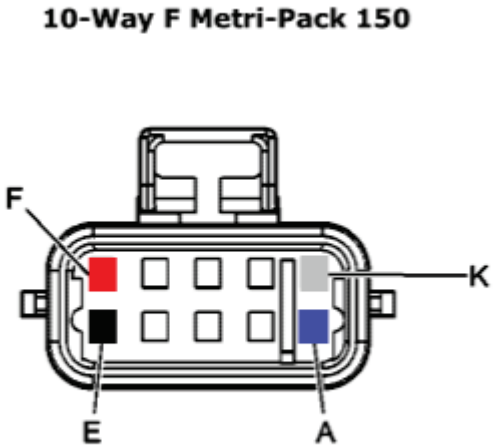
1 Supported models

This document explains how to connect AiM devices to the vehicle Engine Control Unit (ECU) data stream.
Supported models and years are:

- WILDCAT XX

2 Wiring connection

These models feature a specific manufacturer protocol based on CAN, accessible through a Delphi Metri-Pack 10 pins female connector plug placed near the ECU under the passenger seat. For this installation refer to the following pinout and its connection table.



Metri-Pack connector	Function	AiM cable	AiM color cable
K	CAN High	CAN+	White
A	CAN Low	CAN-	Blue
F	V Battery	V Batt	Red
E	Ground	GND	Black

3
Race Studio configuration

Before connecting the AiM device to the ECU, set all functions using AiM software Race Studio. The parameters to set in the device configuration are:

- ECU manufacturer: **ARCTIC_CAT**
- ECU Model: **WILD_CAT**

4
"ARCTIC_CAT – WILD_CAT" protocol

Channels received by AiM devices configured with "ARCTIC_CAT – WILD_CAT" protocol are:

CHANNEL NAME	FUNCTION
EngineSpeed	Engine RPM
VehicleSpeed	Vehicle speed
ThrottlePosition	Throttle position sensor
PedalPosition	Pedal position sensor
EngineCoolantT	Engine coolant temperature
IntakeAirTemp	Intake air temperature
ManifoldAirPress	Manifold air pressure
BrakeSwitch	Brake switch
Gear	Engaged gear
EPSInputForce	Electronic power steer input torque
EPSOutputForce	Electronic power steer output torque
EPSCurrent	Electronic power steer current
AWDActivation	All wheel drive activation
OvverrideSW	Over-ride switch
EngineHour	Engine hour
EPSTemp	Electronic power steer temperature

Battery	Battery voltage
ErrorCode1	Error Code 1
ErrorCode2	Error Code 2
ErrorCode3	Error Code 3
ErrorCode4	Error Code 4
ErrorCode5	Error Code 5
ErrorCode6	Error Code 6
ErrorCodeSw	Error Code switch

Technical note: not all data channels outlined in the ECU template are validated for each manufacture's model or variant; some of the outlined channels are model and year specific, and therefore may not be applicable.