

Aeroforce Interceptor Parameters

Scan	Cyclic Order	Gauge Order	Manual Seq#	Parameter	Description
y	L1	25	25	BATTERY VOLTAGE -	Alternator/battery output voltage
y	L2	46	31	ENGINE OIL PRESSURE -	(PSI) (not supported by all vehicles)
y	L3	19	67	Rail Press -	** Low pressure (from tank to high pressure pump)??
y	L4	20	7	DI FUEL PRESSURE -	Direct injection fuel pressure (vehicle must have direct injection)
y	L5	8	8	MAP kPa SENSOR -	Manifold Air Pressure (kPa)
y	L6	9	5	MAF SENSOR LB/M -	Mass Air Flow (lbs/min)
y	L7	6	4	RPM -	engine Revolutions Per Minute
y	L8	49	26	CURRENT GEAR -	The current gear of an automatic transmission.
y	R1	2	66	Ambient Air °F -	Outside air temperature in °F
y	R2	1	1	INTAKE AIR °F -	Intake Air Temperature
y	R3	3	2	COOLANT TEMP °F -	Engine Coolant Temperature
y	R4	47	32	ENGINE OIL TEMP CALC -	Engine oil temp. calculated by the ECM.
y	R5	12	14	IGNITION ADVANCE -	ignition timing advance
y	R6	33	13	KNOCK RETARD -	Knock Retard (degrees) for most GM vehicles
y	R7	11	10	THROTTLE POS. PCT -	Throttle Position percentage - actual
y	R8	29	11	ABS THROTTLE POS -	will read throttle position from 0-100%
y		4	49	Cat Temp B1S1 -	Calculated catalytic converter #1 temperature (calc'ed by the car's PCM)
y		5	50	Cat Temp B2S1 -	Calculated catalytic converter #2 temperature (calc'ed by the car's PCM)
y		7	9	BOOST inHg/PSI -	Intake vacuum/boost displayed in inHg/PSI. Corrected by altitude entry or barometer
y		10	12	MILES PER HOUR -	Miles Per Hour
y		13	16	SHORT TRIM B1 -	short term fuel trim bank#1
y		14	17	SHORT TRIM B2 -	short term fuel trim bank#2
y		15	18	LONG TRIM B1 -	long term fuel trim bank#1
y		16	19	LONG TRIM B2 -	long term fuel trim bank#2
y		17	30	ENGINE LOAD -	calculated Engine Load (0-100%)
y		18	47	FUEL STATUS -	Displays "Open" or "Closed" to indicate open or closed loop fueling.
y		21	36	Miles Per Gallon 1 -	instantaneous fuel economy for gas vehicles
y		22	38	HP -	Calculated net horsepower
y		23	24	RUN TIME MINS -	engine run time is tenths of seconds since last engine start
y		24	37	BAROMETRIC PRESSURE -	Displays atmospheric pressure. All vehicles may not support this.
y		27	68	B1S1 CMD EQ -	** Commanded A/F ratio?
y		30	6	MAF FREQUENCY -	raw Mass Air Flow sensor output (frequency)

y	31	3	TRANS TEMP 1 °F - Transmission Temperature for automatic vehicles
y	34	61	Knock Counts - An indication of the severity and duration of knock retard. As knock is detected, this value will rise until it hits 255, then reset to zero. The higher and faster this value rises, the more severe the knock.*
y	35	15	PW Bank 1 - injector #1 pulse width
y	36	29	INJECTOR DUTY CYCLE - 0-100%
y	37	35	TOTAL MISFIRES - Total misfires of all cylinders. Resets every minute
y	38	69	Fuel Trim Cell - **
y	39	48	FUEL LEVEL - Gallons of fuel remaining in tank.
y	40	20	O2 SENSOR B1S1 - O2 bank 1 sensor1 in millivolts
y	41	21	O2 SENSOR B2S1 - O2 bank 2 sensor1 in millivolts
y	42	22	O2 SENSOR B1S2 - O2 bank 1 sensor 2 in millivolts
y	43	23	O2 SENSOR B2S2 - O2 bank 2 sensor 2 in millivolts
y	44	53	COMMANDED A/F - Commanded air/fuel ratio by PCM.
y	50	70	Slip Speed RPM - **
y	51	42	TC SLP SPD RPM - Torque converter slip (RPM) (auto trans)
y	52	40	DELIVERED TORQUE - Calculated torque delivered from engine to transmission (automatic trans)
--	26	55	LAMBDA - Actual Lambda (only available on vehicles with factory wideband sensor)
--	28	56	A/F RATIO - Actual A/F ratio (only available on vehicles with factory wideband sensor)
--	32	34	INTAKE AIR 2 - Intake Air Temp. downstream of intercooler (some supercharged applications such as the Cobalt SS, Solstice GTP, Saturn Sky).
--	45	64	ALC % - percent alcohol in fuel for E85 enabled vehicles.
--	48	33	ENG. OIL TEMP ACT - Actual engine oil temp for vehicles with factory temp sensors.*
--	53	71	Oil Press 2 - **
--	54	51	Analog 1 - analog input #1.
--	55	52	Analog 2 - analog input #2
	?	27	PULSE WIDTH B1 - injector Pulse Width for bank 1 (8 cylinder engines)
	?	28	PULSE WIDTH B2 - injector Pulse Width for bank 2 (8 cylinder engines)
	?	39	TRQ RDCT RTRD - Spark retard due to torque management (automatics trans)
	?	41	TRQ TRAC CNTL - Desired torque from traction control system (auto trans)
	?	43	TRANS IN RPM - RPM of input shaft to transmission (auto trans)
	?	44	TRANS OUT RPM - RPM of transmission output shaft (auto trans)
	?	45	NON DRV SPEED - Speed of non-driven wheel (mph)
	?	46	TCC STATUS - Indicates "UL" or "L" (unlocked /locked) depending on the state of the Torque Converter Clutch

	?	54	COMMANDED LAMBDA - Commanded Lambda (a different way of measuring A/F ratio. Lambda = 14.7/actual A/F ratio. Therefore a value greater than 1 is "rich", less is "lean".
	?	57	SENSOR CURRENT - Current draw of wideband O2 sensor (only available on vehicles with factory wideband sensor)
	?	58	TRANS TEMP 2 - Transmission Temperature for late model Cadillac
	?	58	Burst Knock - Amount of ignition retard as a safe guard when a sudden increase in airflow is seen by the PCM. It is not actual knock, but rather a preventative action.*
	?	59	TC SLP SPD RPM 2 - Torque converter slip (RPM) (auto trans) late model Cadillac
	?	60	TCC STATUS 2 - Indicates "UL" or "L" (unlocked /locked) depending on the state of the Torque Converter Clutch. Late model Cadillac
	?	62	Knock Learn Factor - a long term adjustment for fuel octane or frequent knock. As knock is detected, the PCM will slowly increase this factor to remove timing over the long term. If knock is not existent for a longer period of time, the ignition timing will be restored to the high octane table level. *
	?	63	FUEL PRESS - fuel pressure for return fuel systems with sensor such as on the ZL1, Corvette, CTS-V.

Bi-directional controls:

1. Fan 1-3 control – ignition must be on, with engine off
2. PCM (fuel trim) reset
3. CASE (Crank Angle Sensor Error) Re- Learn – needed when new PCM is installed

Notes:

1. "g" suffix, such as "Intake Air g" simply means that this is a generic parameter and can be displayed on any CAN bus vehicle except Honda.

2. For transmission parameters, try the parameters with the "1" of no suffix first. If these do not work try the parameters with the "2" suffix.

*May not be supported on all vehicles

**** = Not in manual but in gauge**

? = Not in gauge

-- = Not enabled in scan setup