

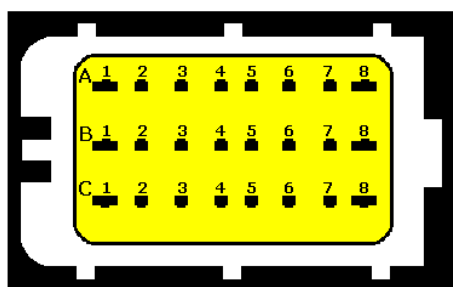
# Kawasaki ZX6-RR

Advanced Fuel & Ignition system version 2005

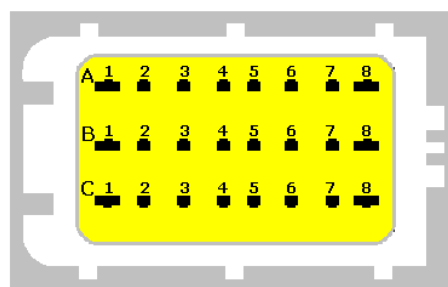




## Verbindingsschema Kawasaki ZX6-RR 2005 → AFI05

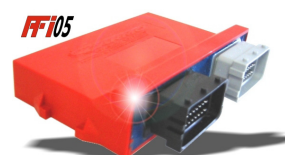


**Black**



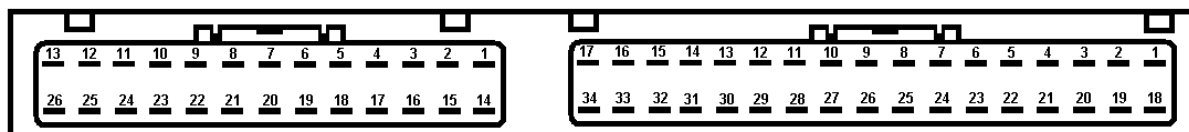
**Grey**

Con.	Kleur		Omschrijving	Con.	Kleur		Omschrijving
A8	Zw/W		Bobine 3	A8	Zw/Gl		Massa
A7	Zw/Gr		Bobine 2	A7	Gl/Gr		Val sensor
A6	Zw		Bobine 1	A6	Grijs/Zw		GND TX RX (1)
A5	Bl/R		Injector 1	A5	W/Zw		RX (1)
A4	O/R		Douche injector 1	A4	Grijs/Bl		TX (1)
A3	Bl/Gr		Injector 2	A3	O		ECT sensor
A2	O/Gr		Douche injector 2	A2	Roze		IAT sensor
A1	Bl/Zw		Injector 3	A1	Gl/Bl		MAP sensor
B8	Zw/O		Bobine 4	B8	Br/Zw		Massa
B7			-	B7			Launch control ingang
B6			-	B6	O/R		Quick-shift ingang
B5			-	B5			Ground TX RX (2)
B4			-	B4			TX (2)
B3			-	B3	Grijs/Zw		2 <sup>de</sup> curve ingang
B2			-	B2	Gl/W		TPS sensor
B1	Bl/Gl		Injector 4	B1	W/Gl		+12V
C8	Zw/Gl		Massa	C8	Br/W		Massa nokkenas signaal
C7	Zw/Gl		Massa	C7	Bl		+5V sensoren
C6			-	C6	Bl		Toerenteller uitgang
C5			-	C5	Zw		Massa
C4	R/Zw		Shift light	C4			RX (2)
C3			Koelvin aansturing	C3	Gl/R		Nokkenas signaal
C2	O/Gl		Douche injector 4	C2	Gl/Zw		Krukas signaal
C1	O/Zw		Douche injector 3	C1	Br/Gl		Brandstofpomp uitgang





### Pinning op originele ECU



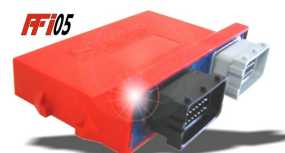
nr	kleur	omschrijving	nr	kleur	omschrijving
1	R	12V via engine stopswitch	1	Zw/Bl	Subthrottle output signal 2
2	R/Gr	Startblokkering output sign.	2	Gr	Subthrottle output signal 1
3	Zw/R	Startknop output signaal	3	Gry	Exhaust butterfly actuator (-)
4	Br/Gl	Brandstofpomp	4	Gr/R	Exhaust butterfly actuator (+)
5	Zw/Gl	Massa	5	R/Zw	Exhaust butterfly sensor
6	Zw/Bl	Radiatorvin output signaal	6	Gl	Snelheidssensor output signal
7	O/Gr	Douche injector #2	7	Gl/W	TPS-sensor
8	O/R	Douche injector #1	8	Gl/Bl	MAP sensor airbox
9	Bl/Gr	Injector #2	9	O	ECT-sensor
10	Bl/R	Injector #1	10	Bl	+5V sensoren
11	Zw/W	Bobine #3	11	Gl/Gr	Down-sensor signal
12	Zw/Gr	Bobine #2	12	Gl/R	Nokkenas pick-up (+)
13	Zw	Bobine #1	13	Gl/Zw	Krukas pick-up (+)
14	Gr/Zw	Zijstandaardschakelaar	14	-	
15	O	Zelf-diagnose aansluiting	15	-	
16	lGr/Gr	Mode switch (extern comm.)	16	W/Gl	12V hoofd relais
17	lBl	Toerenteller signaal	17	W/Zw	12V continu
18	Br/R	FI-indicatie lamp	18	Roz/Zw	Subthrottle output signal 4
19	Gry	Diefstalbeveiliging	19	W/Bl	Subthrottle output signal 3
20	O/Gl	Douche injector #4	20	-	
21	O/Zw	Douche injector #3	21	-	
22	Bl/Gl	Injector #4	22	-	
23	Bl/Zw	Injector #3	23	-	
24	Zw/Gl	Massa injectiesysteem	24	Br	Subthrottle sensor outp. signal
25	Zw/Gl	Massa ontstekingsysteem	25	Gr/W	MAP sensor luchtdruk
26	Zw/O	Bobine #4	26	Roz	IAT sensor
			27	-	
			28	Br/Zw	Massa sensoren
			29	Br/W	Nokkenas pick-up (-)
			30	Zw	Krukas pick-up (-)
			31	-	
			32	lBl	Extern diagnose signaal
			33	-	
			34	Zw/Gl	Massa

Kleurcodering			
Bl	= Blauw	O	= Oranje
Br	= Bruin	R	= Rood
Gl	= Geel	Roz	= Roze
Gr	= Groen	W	= Wit
Gry	= Grijs	Zw	= Zwart
lBl	= Lichtblauw		

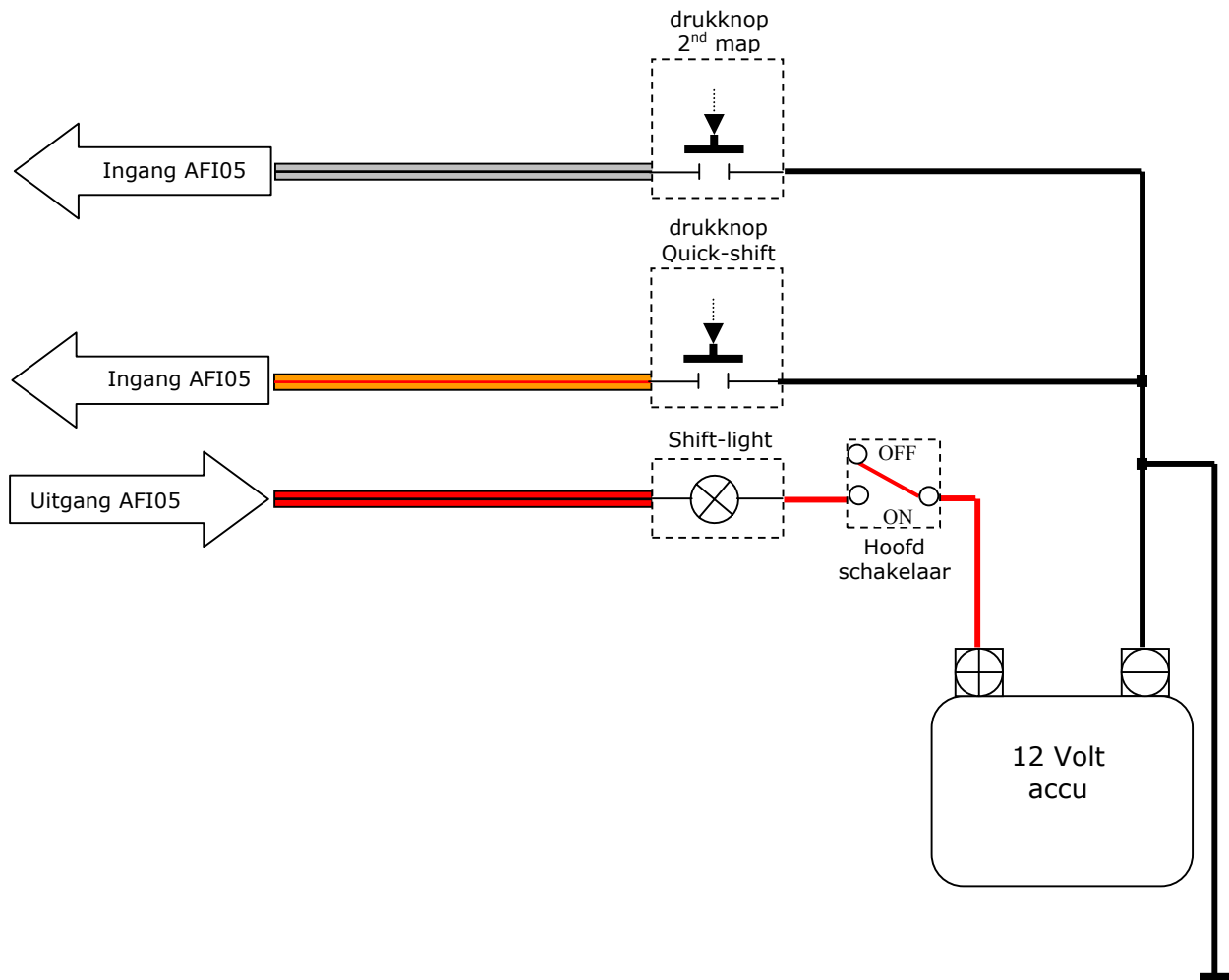
Rood (pin 1 van 26 polige connector) is verbonden met 12V door de engine stopswitch, tevens worden de bobines verbonden met 12V via dezelfde enginestopswitch.

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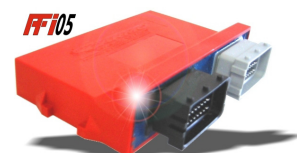




### Aansluitschema voor opties AFI05

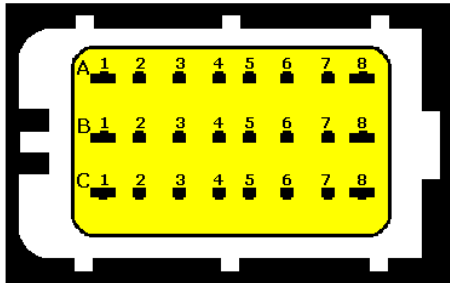


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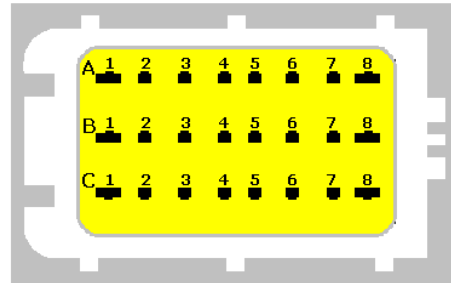




**Connection diagram  
Kawasaki ZX6-RR 2005 → AF105**

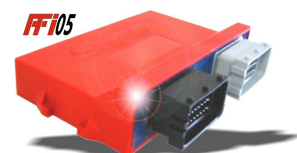


**Black**



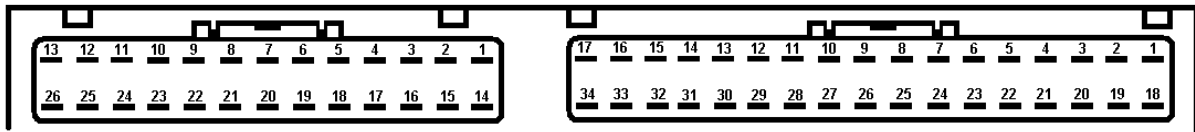
**Grey**

Con.	Color		Description	Con.	Color		Description
A8	Bk/W		Ignitioncoil #3	A8	Bk/Y		Ground
A7	Bk/Gr		Ignitioncoil #2	A7	Y/Gr		Down sensor
A6	Bk		Ignitioncoil #1	A6	Grey/Bk		GND TxRx #1 pin1
A5	Bl/R		Injector #1	A5	W/Bk		Rx #1 pin2
A4	O/R		Shower injector #1	A4	Grey/Bl		Tx #1 pin3
A3	Bl/Gr		Injector #2	A3	O		ECT sensor
A2	O/Gr		Shower injector #2	A2	P		IAT sensor
A1	Bl/Bk		Injector #3	A1	Y/Bl		MAP sensor
B8	Bk/O		Ignitioncoil #4	B8	Br/Bk		Ground
B7			-	B7			Launch control input
B6			-	B6	O/R		Quick-shift input
B5			-	B5			Ground TxRx #2
B4			-	B4			Tx #2
B3			-	B3	Grey/Bk		2 <sup>de</sup> map input
B2			-	B2	Y/W		TPS sensor
B1	Bl/Y		Injector #4	B1	W/Y		+12V Power supply
C8	Bk/Y		Ground	C8	Br/W		Ground cam-signal
C7	Bk/Y		Ground	C7	Bl		+5V sensor Power supply
C6			-	C6	IBl		Tacho output
C5			-	C5	Bk		Ground
C4	R/Bk		Shift light	C4			Rx #2
C3			Fan output	C3	Y/R		Cam-signal
C2	O/Y		Shower injector #4	C2	Y/Bk		Crank-signal
C1	O/Bk		Shower injector #3	C1	Br/Y		Fuel pump relay output





Pinning from original ECU



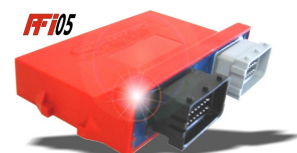
nr	color	description	nr	color	description
1	R	12V engine stopswitch	1	Zw/Bl	Subthrottle output signal 2
2	R/Gr	Starter lockoutswtch out.sig.	2	Gr	Subthrottle output signal 1
3	Zw/R	Starter button output signal	3	Gry	Exhaust butterfly actuator (-)
4	Br/Gl	Fuelpump	4	Gr/R	Exhaust butterfly actuator (+)
5	Zw/Gl	Ground	5	R/Zw	Exhaust butterfly sensor
6	Zw/Bl	Radiator Fan output signal	6	Gl	Speed sensor
7	O/Gr	Shower injector #2	7	Gl/W	TPS-sensor
8	O/R	Shower injector #1	8	Gl/Bl	MAP sensor airbox
9	Bl/Gr	Injector #2	9	O	ECT-sensor
10	Bl/R	Injector #1	10	Bl	+5V VCC supply sensors
11	Zw/W	Igntioncoil #3	11	Gl/Gr	Down-sensor signal
12	Zw/Gr	Igntioncoil #2	12	Gl/R	Cam signal pick-up (+)
13	Zw	Igntioncoil #1	13	Gl/Zw	Crank signal pick-up (+)
14	Gr/Zw	Side stand switch	14	-	
15	O	Self-diagnose terminal	15	-	
16	lGr/Gr	Mode switch (extern comm.)	16	W/Gl	12V main relay
17	lBl	Tacho output	17	W/Zw	12V continu battery voltage
18	Br/R	FI-warning light	18	Roz/Zw	Subthrottle output signal 4
19	Gry	Anti-theft input	19	W/Bl	Subthrottle output signal 3
20	O/Gl	Shower injector #4	20	-	
21	O/Zw	Shower injector #3	21	-	
22	Bl/Gl	Injector #4	22	-	
23	Bl/Zw	Injector #3	23	-	
24	Zw/Gl	Ground fuel system	24	Br	Subthrottle sensor outp. signal
25	Zw/Gl	Ground ignition system	25	Gr/W	MAP sensor airpressure
26	Zw/O	Igntioncoil #4	26	Roz	IAT sensor
			27	-	
			28	Br/Zw	Ground sensoren
			29	Br/W	Cam signal pick-up (-)
			30	Zw	Crank signal pick-up (-)
			31	-	
			32	lBl	Extern diagnose signal
			33	-	
			34	Zw/Gl	Ground

Used colors			
Bl	= Blue	O	= Orange
Br	= Brown	R	= Red
Gl	= Yellow	Roz	= Pink
Gr	= Green	W	= White
Gry	= Grey	Zw	= Black
lBl	= Lightblue		

Red (pin 1 of 26 pole connector) is connected to 12V by engine stopswitch, also the ignitioncoils are connected to 12 volt by same enginestopswitch.

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Connection diagram Options AFI05

