

## **Programmable**

NNN000120

NNN500020 for defender and manual disco's. oa Defender MY 2006

NNN500250

## **Pin layout ECU connectors type MY2002**

### **Black connector. C0658 female**

Pin	Function	Colour	Defender	Discovery	Voltage	Remarks
1	grd	B	yes		0 volt	
2	grd	B	yes		0 volt	
3	voeding fuse 5	NO	yes		14,4 volt	
4	front blower airco	BP	yes			
5	relay fuel pump	UP	yes			pull down
6	warning lamp man	RS	yes			lamp on dashboard
7	temp meter	GU				coolant temp gauge
8						
9		YS				airco
10						
11	cruis control	RW	possible	yes		set / accelerate
12	pedal	WG	yes			
13	speedometer	YK	yes			
14	pedal	WP	yes			
15	switch cruise contr	WY	possible	yes		12 volt
16	switch brake pedal	GP	yes			
17	cruise control		possible	yes		suspend/resume
18	diag soc	K	yes			diagnostic socket pen 7
19	ecu-abs	YK/WS	yes			uitzoeken[ signal for revolution counter]?
20	pedal	RG	yes			
21	main relais	UR	yes			switches fuse 37, pull down
22	voeding fuse 5	NO	yes		14, 4 volt	
23		PB				
24	grd	B	yes		0 volt	
25	grd	B	yes		0 volt	
26	pedal	BY	yes			
27	voeding fuse 5	NO	yes		14, 4 volt	

28						
29	clutch airco	BS	yes			
30	warning glowplug	BY	yes			lamp on dashboard
31						
32	ecu-abs	SP	yes			
33	power fuse 12	WG	yes			from ignition switch
34	ecu alarm	LGS	yes			
35	clutch pedal pos.	BW	yes			
36	pedal	WS	yes			

### Red connector. C0158 female

Pin	Function	Colour	Defender	Discovery	Voltage	Remarks
1	fuel inj nr 5	YP	yes			
2						
3	modulator egr	U	yes			with exhaust gas recirculation
4	trotle egr inlet	O	yes			with exhaust gas recirculation
5	temp fuel	KB	yes			
6	air inlet temp	WY	yes			
7	coolant temp	KG	yes			
8		KP				
9						
10		WY				
11	mass air flow	SLG	yes			
12						
13	crank sensor	KB	yes			
14						
15						
16	src crank sensor	SRC	yes			
17	air inlet temp	KB	yes			
18	coolant temp	KB	yes			
19	temp fuel	YW	yes			
20	mass air flow	KB	yes			
21						
22	return inj 1,3 and 4	NK	yes			
23	return inj 2 and 5	NO	yes			
24	fuel inj nr 4	YR	yes			
25	fuel inj nr 1	Y	yes			

26	fuel inj nr 2	YN	yes			
27	fuel inj nr 3	YU	yes			
28						
29	relais glow plug	GU	yes			
30	abs press inlet	KB	yes			
31	abs press inlet	GU	yes			
32						
33	trans H/L	WB	yes		12 volt if open	pull down
34	air inlet temp	GB	yes			
35						
36	crank sensor	WU	yes			

Code	Colour	
B	Black	
G	Green	
K	Pink	
LG	Light green	
N	Brown	
O	Orange	
P	Purple	
R	Red	
S	Slate[grey]	
U	Blue	
W	White	
Y	Yellow	