

 CITROËN	INFO' DIAG DIAGNOSTIC TOOLS	LEXIA PROXIA CD 32
AFTER SALES DIVISION TECHNICAL SERVICES	CITROËN SELLING DEALERS : - PDI technicians - Campaign co-ordinators AUTHORISED REPAIRERS : - Service Managers - Consultant technicians	N° 244 09/09/2005
THE CONTENTS OF THIS BULLETIN SHOULD BE MADE KNOWN TO ALL PERSONNEL WHO, DIRECTLY OR INDIRECTLY, USE LEXIA / PROXIA DIAGNOSTIC TOOLS.		

This INFO' DIAG cancels and replaces INFO' DIAG n° 152 of 09/02/2004

TITLE :

Manual configuration of diesel injection ECU : Bosch EDC15C2.

CONCERNING :

Manual configuration of a diesel injection ECU « Bosch EDC15C2 » on vehicles : CITROËN BERLINGO, XSARA, XSARA 2, XSARA PICASSO, XANTIA, CITROËN C5, New Look CITROËN C5, DISPATCH, SYNERGIE and CITROËN C8.

INCIDENT :

The new diesel injection ECU « Bosch EDC15C2 » is delivered non-configured by Replacement Parts.

REMEDY :

The configuration operation should be carried out in the following way :

- Before removing the defective ECU, use the LEXIA or PROXIA diagnostic tool to start communication with this ECU on the vehicle ;
- Print the diagnostic tool screens that show the configuration parameter values, or note down these values by hand.

- Fit the new ECU on the vehicle; use the LEXIA or PROXIA diagnostic tool to start communication with this ECU on the vehicle.
- Manually configure the parameter values, from the prints or notes already made.

Should the above method not be possible, by reason of the ECU being damaged or locked up (i.e. it cannot be diagnosed), follow the procedure below:

- Fit the new ECU on the vehicle; use the LEXIA or PROXIA diagnostic tool to start communication with this ECU on the vehicle ;
- Manually configure the parameter values, using the tables on the following pages:

DIESEL INJECTION ECU : BOSCH EDC15C2

Configuration parameter	Configuration parameter value	Berlingo	Xsara	Xsara 2	Xsara Picasso	Xsara Picasso bi van / can	Xantia	Citroën C5	New Look Citroën C5	Dispatch	Synergie	Citroën C8	Comments
Cooling	1-speed fan	X											Without aircon for Berlingo
	2 or 3-speed fan	X	X	X	X	X	X	X		X	X	X	With aircon for Berlingo
	Chopper								X				Only on New Look Citroën C5
Air conditioning pressure sensor	No air conditioning	X	X	X	X	X	X	X	X	X	X		
	3-level pressostat	X	X				X			X	X		Vehicle with aircon
	4-level pressostat				X	X							Vehicle with aircon
	Linear pressostat			X				X	X			X	Vehicle with aircon
Gearbox	Short ratio manual gearbox												
	Long ratio manual gearbox	X	X	X	X	X	X	X		(*)	X	X	(*) See note at the end of this table.
	AL4 gearbox			X				X				X	Vehicle with automatic gearbox
	4HP20 gearbox							X	X				Vehicle with automatic gearbox
Injector classes	Non-centred	X	X		X	X	X			X	X		See the explanations given on page 11.
	1, A or X	X		X	X	X		X	X	X	X	X	
	2, B or Y or centred	X	X	X	X	X	X	X	X	X	X	X	
	3, C or Z	X		X	X	X		X	X	X	X	X	
Additional heating	No additional heating									X			
	"Plugs" in water	X	X	X	X	X	X						
	"Plugs" in air							X	X				Vehicle with heater element located inside the heater unit
	"Burner" controlled by EDC	X		X	X	X	X	X	X	X	X	X	Vehicle equipped with an additional burner

Configuration parameter	Configuration parameter value	Berlingo	Xsara	Xsara 2	Xsara Picasso	Xsara Picasso bi van / can	Xantia	Citroën C5	New Look Citroën C5	Dispatch	Synergie	Citroën C8	Comments
ECU	ESP present			X		X		X	X			X	Check the presence of the ESP deactivation button.
	ESP absent	X	X	X	X	X	X	X	X	X	X	X	Check the absence of the ESP deactivation button.
	Cruise control present			X		X		X	X	X	X	X	Check the presence of the command for cruise control at the steering wheel.
	Cruise control absent	X	X	X	X	X	X	X	X	X	X	X	Check the absence of the command for cruise control at the steering wheel.
	BSI wire or absent	X	X		X		X			X	X		
	BSI mux			X		X		X	X			X	
	Auto. gearbox mux or absent	X	X	X	X	X	X	X	X	X	X	X	
Vehicle without particle filter or vehicle with particle filter → RPO 9491	AMVAR wire or absent	X	X	X	X	X	X	X		X	X	X	
	Fuel temperature sensor on rail		X				X			X	X		To be checked on the vehicle
	Fuel temperature sensor on return	X	X	X	X	X	X	X		X	X	X	To be checked on the vehicle
	D1 datablock	X	X	X	X	X	X	X		X	X		See the explanations given on the following pages.
	D2 datablock	X	X	X	X	X	X	X		X	X		
Vehicle with particle filter and RPO 9492 →	AMVAR wire or absent							X	X			X	
	Additive EOLYS 176							X	X				Check the configuration in the diesel fuel additive ECU.
	Additive EOLYS DPX 42							X				X	Check the configuration in the diesel fuel additive ECU.
	D1 datablock							X	X			X	See the explanations given on the following pages.
	D2 datablock							X	X			X	

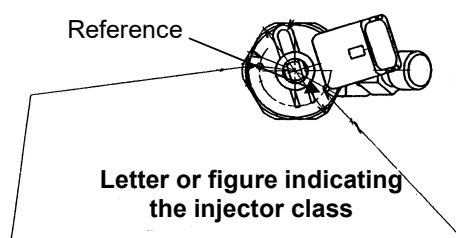
(*) Note : Certain types of software do not accept the configuration « Long gearbox » (a message « configuration impossible » will appear), in this case configure « Short manual gearbox ».

CHOICE OF INJECTOR CLASS :

There are 3 types of injector :

- First generation : non-centred (standard)
- Centred (but not classed)
- Centred and classed (in 3 classes)

Injectors can be distinguished by means of the letter or figure on the injector, or by a colour reference, as indicated on the diagram below :



NOTE :

injectors that are non-centred, or centred but not classed, do have a class but this does not have to be taken into account (configure simply as non-centred, or centred but not classed).

DW10 engine with injectors non-centred, or centred but not classed :

PSA ref. read	96 375 360 80 94 561 823 80 96 351 965 80	96 375 360 80 94 561 824 80 96 351 965 80	96 400 887 80	94 400 887 80
Part No.	RP 1980 71	RP 1980 72	RP 1980 77	RP 1980 82
Class read	1 or blue	2 or green	1	2
Configuration to be performed	Injectors non-centred (standard)	Injectors non-centred (standard)	Injectors centred, but not classed	Injectors centred, but not classed

DW10 16V engine (RHW) with injectors centred and classed :

PSA ref. read	96 384 889 80	96 384 889 80	96 384 889 80
Part No.	RP 1980 78	RP 1980 79	RP 1980 80
Class read	A	B	C
Configuration to be performed	Class A	Class B	Class C

DW10 8V engine (RHX, RHY, RHZ) with injectors centred and classed :

PSA ref. read	96 417 428 80	96 417 428 80	96 417 428 80
Part No.	RP 1980 84	RP 1980 85	RP 1980 86
Class read	X	Y	Z
Configuration to be performed	Class X	Class Y	Class Z

So with the DW10 engine, just configure the letter indicated on the injector, if it is a figure, take the PSA reference to distinguish between non-centred injectors

and those that are centred but not classed.

DW12 engine (the injectors are all centred and classed) ; DW10 RHS _ RHT.

PSA ref. read	96 372 779 80	96 372 779 80	96 372 779 80
Part No.	RP 1980 73	RP 1980 74	RP 1980 75
Class read	1	2	3
Configuration to be performed	Class 1	Class 2	Class 3

With the DW12 engine (4HX), just configure the figure indicated on the injector.

CHOICE OF DATABLOCK :

The configuration of the datablock has different connotations, depending on the vehicle and the type of ECU, as indicated in the following table :

Vehicle	Engine type	Datablock D1	Emissions	Datablock D2	Emissions
Berlingo	RHY (96 362 554 80 and 96 511 749 80)	L3/W3	RHY F	L3/W3	RHY F
	RHY (96 416 072 80)	L4	RHY B	L4 / US87	RHY B / RHY H
	RHY (96 510 355 80 and 96 435 251 80)	L4	RHY B	US87	RHY H
Xsara	RHY 96 362 569 80 RHY 96 466 706 80	L3	RHY F	L4	RHY B
	RHY 96 420 148 80	L3	RHY F	L4 / US87	RHY B / RHY H
	RHY 96 403 243 80	L3	RHY F	L3	RHY F
Xsara 2	RHZ (96 416 081 80 ⇒ 96 435 260 80)	L4	RHZ B	L4	RHZ B
	RHZ (96 454 424 80 ⇒ 96 543 439 80)	BVM		BVA	
	RHY 96 413 064 80	L4	RHY B	L4	RHY B
	RHY (96 416 084 80 ⇒ 96 435 262 80)	L4	RHY B	US87	RHY H

Vehicle	Engine type	Datablock D1	Emissions	Datablock D2	Emissions
Xsara Picasso	RHY 96 351 584 80	L3	RHY A	L4	RHY B
	RHY (96 416 071 80 ⇨ 96 476 931 80) RHY 96 517 818 80	L4	RHY B	US87	RHY P
	RHY (96 512 570 80 ⇨ 96 583 731 80)	L4	RHY B	L4	RHY B
Xantia	RHY 96 370 895 80	L3	RHY F	L3	RHY F
	RHY 96 351 581 80	L3	RHY F	L4	RHY B
	RHZ	L3	RHZ F	L4	RHZ B
Citroën C5	4HX (96 387 952 80, 96 423 502 80 96 441 995 80)	L4	4HX B	L4	4HX B
	4HX (96 461 964 80, 96 487 150 80 ⇨ 96 546 934 80)	BVM		BVA	
	4HX (96 459 870 80, 96 455 349 80, 96 474 744 80, 96 455 348 80, 96 474 745 80)	SWNF		SWNO	
	RHZ (96 391 908 80 ⇨ 96 435 256 80)	L4	RHZ B	L4	RHZ B
	RHZ (96 447 210 80 ⇨ 96 574 885 80)	BVM		BVA	
	RHS 96 445 062 80	L4	RHS B	L4	RHS B
	RHS 96 466 393 80	BVA			
	RHS (96 474 723 80 ⇨ 96 574 884 80)	BVM		BVA	
	RHY (96 428 232 80, 96 435 261 80)	L4	RHY B	L4	RHY B
New Look Citroën C5	4HX (96 512 619 80, 96 563 145 80, 96 571 570 80)	BVA 4HP20		BVA 4HP20	
Synergie	RHZ / RHX (96 362 545 80 et 96 510 356 80)	W3	RHZ A / RHX A	L3	RHZ A / RHX A
	RHX (96 403 248 80, 96 435 258 80, 96 510 358 80)	W3	RHX A	W3	RHX A
Dispatch	RHZ / RHX (96 448 530 80 et 96 511 747 80)	W3	RHZ A / RHX A	L3	RHZ A / RHX A
	RHX (96 435 271 80, 96 497 614 80, 96 510 731 80, 96 511 750 80, 96 553 853 80, 96 546 933 80)	W4	RHX B	W4	RHX B
	RHZ (96 447 044 80, 96 497 615 80, 96 511 737 80, 96 511 751 80, 96 553 854 80, 96 546 934 80)	W4	RHZ B	W4	RHZ B

Vehicle	Engine type	Datablock D1	Emissions	Datablock D2	Emissions
Citroën C8	4HW 96 441 994 80	L4	B	L4	B
	4HW (96 455 344 80, 96 467 192 80, 96 480 665 80, 96 546 953 80)	SWNF		SWNO	
	4HW (96 474 746 80, 96 495 620 80 ⇨ 96 546 958 80)	SWNO		SWNO	
	RHW 96 446 804 80	L4	RHW B	L4	RHW B
	RHW (96 455 346 80, 96 467 190 80, 96 509 317 80, 96 531 841 80)	SWNF		SWNO	
	RHW (96 485 771 80, 96 547 327 80, 96 546 955 80)	SWNF		SWNO	
	RHT (96 446 803 80, 96 455 345 80, 96 467 191 80, 96 474 747 80)	SWNF		SWNO	
	RHT 96 495 618 80	BVM		BVM	
	RHT / RHM (96 489 953 80 96 489 957 80, 96 525 903 80, 96 525 904 80)	BVM		BVA	
	RHT / RHM (96 546 954 80 96 546 947 80, 6 546 956 80)	SWNF		SWNO	

NOTES :

- 88V : 88-way connector in monoblock wiring
- CMC : modular connector (3 connectors)
- The references indicated correspond to references or software visible in the Identification menu.
- SWNF and SWNO correspond to :
« Swirl Normally Closed » or « Swirl Normally Open ».