

# Bars Professional



## PROTON

VERSION 2V03 DATE: MAR., 2011

MODEL	SYSTEM	ECU TYPE	READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	SPECIAL FUNCTION
ALL MODELS	EMS (ENGINE)	MMC	+	+	+	+	
		VDO EMS400	+	+	+	+	+NOTE1
		VDO EMS700	+	+	+	+	+NOTE1
		RENAULT F4P	+	+	+	+	+NOTE2
		RENAULT D4F	+	+	+	+	+NOTE6
		RENAULT12	+	+	+	+	+NOTE6
		RENAULT18	+	+	+	+	+NOTE2
	TRANSMISSION	MMC	+	+	+	+	
		RENAULT DP0	+	+	+	+	+NOTE3
		RENAULT JHR	+	+	+	+	+NOTE7
		RENAULT12	+	+	+	+	+NOTE7
		RENAULT18	+	+	+	+	+NOTE3
	ABS	MMC	+	+	+	+	
		TRW	+	+	+	+	+NOTE4
		TEVES MK20	+	+	+	+	+NOTE5
		TEVES MK60	+	+	+		
		BOSCH ABS	+	+	+		
	AIRBAG	ACU3(AC3)	+	+	+		+NOTE8
AC6		+	+				
IMMBILIZER	VDO	+	+	+		KEY PROGRAMMING	

MODEL	SYSTEM	ECU TYPE	READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	SPECIAL FUNCTION
ARENA JUMBUCK	EMS (ENGINE)	VDO EMS400	+	+	+	+	+NOTE1
	TRANSMISSION	MMC	+	+	+	+	
	IMMBILIZER	VDO	+	+	+		KEY PROGRAMMING

MODEL	SYSTEM	ECU TYPE	READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	SPECIAL FUNCTION
CHANCELLOR	EMS (ENGINE)	MMC	+	+	+	+	
	TRANSMISSION	MMC	+	+	+	+	
	ABS	TEVES MK20	+	+	+	+	+NOTE5

MODEL	SYSTEM	ECU TYPE	READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	SPECIAL FUNCTION
GEN2	EMS (ENGINE)	VDO EMS700(GEN2)	+	+	+	+	+NOTE1
	TRANSMISSION	MMC	+	+	+	+	
	ABS	TRW	+	+	+	+	+NOTE4
		BOSCH ABS	+	+	+		
	AIRBAG	ACU3(AC3)	+	+	+		+NOTE8
	IMMBILIZER	VDO	+	+	+		KEY PROGRAMMING

MODEL	SYSTEM	ECU TYPE	READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	SPECIAL FUNCTION
JUARA	EMS (ENGINE)	MMC	+	+	+	+	
	TRANSMISSION	MMC	+	+	+	+	

MODEL	SYSTEM	ECU TYPE	READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	SPECIAL FUNCTION
PERDANA	EMS (ENGINE)	MMC	+	+	+	+	
	TRANSMISSION	MMC	+	+	+	+	
	ABS	MMC	+	+	+	+	
		TEVES MK20	+	+	+	+	+NOTE5

MODEL	SYSTEM	ECU TYPE	READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	SPECIAL FUNCTION
PUTRA	EMS (ENGINE)	MMC	+	+	+	+	
	TRANSMISSION	MMC	+	+	+	+	
	ABS	TEVES MK20	+	+	+	+	+NOTE5
	AIRBAG	AC6	+	+			

MODEL	SYSTEM	ECU TYPE	READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	SPECIAL FUNCTION
SATRIA	EMS (ENGINE)	MMC	+	+	+	+	
		VDO EMS400	+	+	+	+	+NOTE1
	TRANSMISSION A+S	MMC	+	+	+	+	
		TEVES MK20	+	+	+	+	+NOTE5
IMM+ILIZER	VDO	+	+	+		KEY PROGRAMMING	

MODEL	SYSTEM	ECU TYPE	READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	SPECIAL FUNCTION
SatriaNeo	EMS (ENGINE)	VDO EMS700	+	+	+	+	+NOTE1
	TRANSMISSION	MMC	+	+	+	+	
	A+S	+OSCH A+S	+	+	+		
	AIR+AG	ACU3(AC3)	+	+	+		+NOTE8
	IMM+ILIZER	VDO	+	+	+		KEY PROGRAMMING

MODEL	SYSTEM	ECU TYPE	READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	SPECIAL FUNCTION
SAVVY	EMS (ENGINE)	RENAULT12	+	+	+	+	+NOTE6
	TRANSMISSION	RENAULT12	+	+	+	+	+NOTE7
	A+S	TEVES MK60	+	+	+		
	AIR+AG	ACU3(AC3)	+	+	+		+NOTE8
		AC6	+	+			

MODEL	SYSTEM	ECU TYPE	READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	SPECIAL FUNCTION
WAJA	EMS (ENGINE)	MMC	+	+	+	+	
		VDO EMS700	+	+	+	+	+NOTE1
		RENAULT18	+	+	+	+	+NOTE2
	TRANSMISSION	MMC	+	+	+	+	
		RENAULT18	+	+	+	+	+NOTE3
	A+S	TRW	+	+	+	+	+NOTE4
	AIR+AG	AC6	+	+			
IMM+ILIZER	VDO	+	+	+		KEY PROGRAMMING	

MODEL	SYSTEM	ECU TYPE	READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	SPECIAL FUNCTION
WIRA	EMS (ENGINE)	MMC	+	+	+	+	
		VDO EMS400	+	+	+	+	+NOTE1
	TRANSMISSION IMM+ILIZER	MMC	+	+	+	+	
		VDO	+	+	+	+	KEY PROGRAMMING

**NOTE 1, THE SPECIAL FUNCTIONS FOR THE ENGINE ECU: VDO EMS400/EMS700**

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|---------------------------|--------------------------|
| 1. Throttle body learning | 3. Variant coding        |
| 2. First initialization   | 4. Idle speed ddjustment |

**NOTE 2, THE SPECIAL FUNCTIONS FOR THE ENGINE ECU: RENAULT F4P/18**

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|---------------------|--|
| 1. Alter idle speed |  |
|---------------------|--|

**NOTE 3, THE SPECIAL FUNCTIONS FOR THE TRANSMISSION ECU: RENAULT DP0/18**

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|----------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 1. Read function: 1) read oil counter 2) read oil change date 3) read after sales date | 3. Reinit functions: 1) Reinit oil counter 2) Reinit auto-adaptive |
| 2. Write function: 1) write oil change date 2) write date after sales                  |                                                                    |

**NOTE 4, THE SPECIAL FUNCTIONS FOR THE ABS ECU: TRW**

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|------------------------|--|
| 1. EBC430 Repair cycle |  |
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**NOTE 5, THE SPECIAL FUNCTIONS FOR THE ABS ECU: TEVES MK20**

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|------------------------------------|--|
| 1. Bleeding (Bleeding-master test) |  |
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**NOTE 6, THE SPECIAL FUNCTIONS FOR THE ENGINE ECU: RENAULT D4F/12**

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|----------------------------|------------------------------|
| 1. Reinitialize program    | 3. Injector control unlocked |
| 2. Injector control locked |                              |

**NOTE 7, THE SPECIAL FUNCTIONS FOR THE TRANSMISSION ECU: RENAULT JHR/12**

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|----------------------------|-----------------------------------|
| 1. Reset clutch kiss-point | 3. Initial clutch closed position |
| 2. Programming reset       | 4. Self-test                      |

**NOTE 8, THE SPECIAL FUNCTIONS FOR THE AIRBAG ECU: ACU3 (AC3)**

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|------------------------|--------------------------|
| 1. Locking of ignition | 2. Unlocking of ignition |
|------------------------|--------------------------|