



## PROTON®

VERSION 2.01 DATE: DEC., 2010

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	MMC	✓	✓	✓	✓	
	ABS	TEVES MK20	✓	✓	✓	✓	✓ NOTE5
	IMMBILIZER	VDO	✓	✓	✓		KEY PROGRAMMING

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

MODEL	SYSTEM	ECU TYPE	READ CODE	CLEAR CODE	DATA STREAM	ACTIVATION	SPECIAL FUNCTION
SAVVY	EMS (ENGINE)	RENAULT12	✓	✓	✓	✓	✓ NOTE6
	TRANSMISSION	RENAULT12	✓	✓	✓	✓	✓ NOTE7
	ABS	TEVES MK60	✓	✓	✓	✓	
	AIRBAG	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
	ABS	TRW	✓	✓	✓	✓	✓ NOTE4
	AIRBAG	AC6	✓	✓			
	IMMBILIZER	VDO	✓	✓	✓		KEY PROGRAMMING

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

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

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

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

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

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

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

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

- |                        |  |
|------------------------|--|
| 1. EBC430 Repair cycle |  |
|------------------------|--|

**NOTE 5, THE SPECIAL FUNCTIONS FOR THE ABS ECU: TEVES MK20**

- |                                    |  |
|------------------------------------|--|
| 1. Bleeding (Bleeding-master test) |  |
|------------------------------------|--|

**NOTE 6, THE SPECIAL FUNCTIONS FOR THE ENGINE ECU: RENAULT D4F/12**

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

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

- |                            |                                   |
|----------------------------|-----------------------------------|
| 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)**

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

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