

Hardwarematrix for Automotive

Table of all required hardware and software for each standard

Standards	Hardware							Software			
	BSG	APS/LVA	LDS	EMS	TEG	FordTDG	DMM	Burst-Surge	Automotive 12V-24V	Automotive 48V	Automotive Ford JLR
BMW GS 95002 2010-06	X	X						X			
BMW GS 95002-2 2013-07	X	X						X			
BMW GS 95002-2 2019-10	X	X	X					X			
BMW GS 95003-2 2010-01		X	X	X					X		
BMW GS 95024-2-2 2011-02		X		X					X		
BMW GS 95024-2-2 2021-03		X		X					X		
BMW GS 95026 2013-10		X		X						X	
FCA CS.00054 2018-01	X	X	X	X	X			X	X		
Fiat 9.90111-01 2012-06	X	X	X	X	X			X	X		
Ford FMC1278 2015-07 ¹⁾	X	X	X		X	X					X
GMW 3097 2012-04	X	X	X		X			X			
GMW 3097 2015-06	X	X	X		X			X			
GMW 3172 2015-06		X							X		
Honda 1901Z-XP7F-V010 2010		X							X		
ISO 16750-2 2012-11		X	X	X					X		
ISO 21848 2005-04		X		X						X	
ISO 7637-2 2004-06	X	X	X		X			X			
ISO 7637-2 2011-03	X	X			X			X			
ISO 7637-3 2016-07	X	X						X			
Jaguar JLR-EMC-CS v1.0 Amendment4 ²⁾	X	X	X		X	X					X
LV 124 2013-06		X		X					X		
LV 148 2013-09		X		X						X	
Magnetic field test 2020-02 ³⁾		X					X				X
MAN M 3285 2017-07	X	X			X			X			
MBN 10567 2018-03		X		X					X		
MBN LV 124-1 2011-03		X		X					X		
Mitsubishi ES-X82114 2007-04	X	X			X			X			
Mitsubishi ES-X82115 2009-03		X		X					X		
Nissan 28401NDS02 2002-04	X	X	X	X				X	X		
Nissan 28401NDS02 2016-03	X	X	X	X				X	X		
PSA B21 7110 2012-07	X	X	X	X	X			X	X		

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PSA B21 7110 2019-04 ⁴⁾	X	X		X	X	X		X	X			
Renault 36-00-808 2012-07	X	X	X	X				X	X			
Renault 36-00-808 2016-03	X	X	X	X				X	X			
SAE j1113-11 2012-01	X	X	X					X				
SAE j1113-11 2017-06	X	X	X					X				
SAE j1113-11 2018-12	X	X	X					X				
VDA 320 2015-01		X		X						X		
Volvo 31822854 2018-02		X	X	X					X			
Volvo 31850329 2014-06	X	X			X			X				
VW 80000 2013-06		X		X					X			
VW 80000 2017-10		X		X					X			
VW 80000 2021-07		X		X					X			
VW 80300 2021-02		X										
VW 82148 2013-09		X		X						X		
VW TL 81000 2016-02	X	X			X			X				
VW TL 81000 2018-03	X	X			X			X				

Note:

- ¹⁾ Additional hardware such as transformer adaptation, test fixture and additional amplifiers is required
- ²⁾ Additional hardware such as transformer adaptation, test fixture and additional amplifiers is required
- ³⁾ Additional hardware such as magnetic field coils, sensors and DMM is required
- ⁴⁾ Opt.14 and a differential probe for test setting IC 06 is required