

Early Ford C-Max wiring diagrams

Diagram 1



WARNING: This vehicle is fitted with a supplemental restraint system (SRS) consisting of a combination of driver (and passenger) airbag(s), side impact protection airbags and seatbelt pre-tensioners. The use of electrical test equipment on any SRS wiring systems may cause the seatbelt pre-tensioners to abruptly retract and airbags to explosively deploy, resulting in potentially severe personal injury. Extreme care should be taken to correctly identify any circuits to be tested to avoid choosing any of the SRS wiring in error.

For further information see airbag system precautions in body electrical systems chapter.

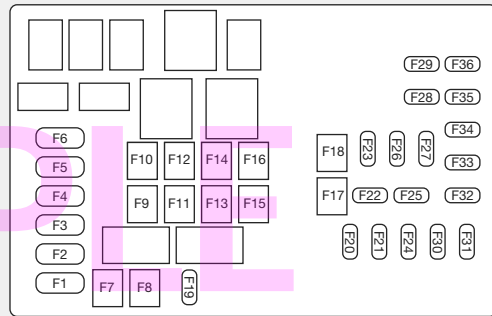
Note: The SRS wiring harness can normally be identified by yellow and/or orange harness or harness connectors.

Key to symbols

Solenoid actuator		Bulb		Wire splice, soldered joint, or unspecified connector	
Earth point and location		Switch		Connecting wires	
Wire colour (blue with white tracer)		Fuse/Fusible link		Diode	
Dashed outline denotes part of a larger item, containing in this case an electronic or solid state device (pins 1 and 3 of a single connector).		Resistor		Light-emitting diode	
		Variable resistor		Item number	
		Variable resistor		Motor/pump	
				Heating element	

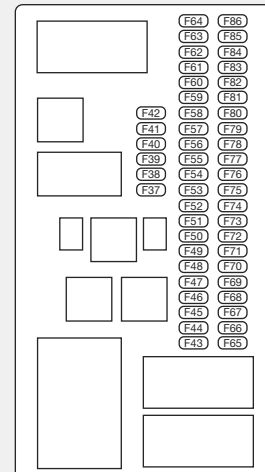
Engine fusebox 4

F1 50A Engine cooling fan	F20 15A Horn
F2 80A Power steering	F21 20A Auxiliary heater
F3 60A Passenger fusebox supply	F22 10A Power steering control unit
F4 60A Passenger fusebox supply	F23 30A Headlight washer
F5 80A Auxiliary heater	F24 15A Diesel auxiliary heater
F6 60A Glow plug (Diesel only)	F25 10A Ignition relays
F7 30A ABS, stability control pump	F26 15A Automatic transmission
F8 20A ABS, stability control valves	F27 10A Air conditioning clutch
F9 20A Engine management	F28 10A Diesel glow plug monitoring
F10 30A Heater blower	F29 10A Climate control
F11 20A Ignition switch	F30 3A Engine management, auto. transmission
F12 40A Ignition relay	F31 10A Battery smart charging
F13 20A Starter solenoid	F32 10A Automatic transmission
F14 40A Heated front screen RH	F33 10A Heated oxygen sensor
F15 30A Engine cooling fan relay	F34 10A Intercooler bypass valve
F16 40A Heated front screen LH	F35 10A Engine management
F17 30A Convertible roof	F36 10A Engine management
F18 30A Power inverter	
F19 10A ABS	



Passenger fusebox 18

F37 10A Exterior lighting	F70 10A Heated seats, sunroof, exterior lighting, SRS, wash/wipe, electric windows, air conditioning, instrument cluster/lighting, aut. transmission, parking aid
F38 10A Exterior lighting	F71 10A Exterior lighting
F39 20A Instrument cluster	F72 25A Multifunction control unit, sunroof, central locking, electric windows, heating/ventilation, air conditioning, instrument cluster, exterior lighting, interior lighting, mirrors
F40 20A Sunroof	F73 7.5A Exterior lighting
F41 20A Instrument cluster, instrument lighting, exterior lighting, interior lighting, mirrors, central locking	F74 15A Exterior lighting
F42 7.5A Mirrors, electric windows	F75 10A Auto. transmission
F43 10A Air conditioning	F76 7.5A Hand brake
F44 10A Telephone	F77 25A Central locking
F45 10A Exterior lighting	F78 15A Wash/Wipe
F46 10A Speed control unit, heating/ventilation, air conditioning, instrument cluster, alarm, multifunction control unit, sunroof	F79 15A Instrument cluster
F47 15A Wash/wipe	F80 10A Interior lights, mirrors
F48 20A Exterior lighting	F81 20A Central locking, electric windows, instrument cluster/lighting
F49 15A Exterior lighting, instrument cluster/lighting	F82 20A Central locking, electric windows, instrument cluster/lighting
F50 20A Wash/wipe	F83 10A Navigation, audio
F51 - Spare	F84 10A Exterior lighting
F52 25A Electric windows	F85 - Spare
F53 7.5A Exterior lighting	F86 20A Heated seats
F54 7.5A Exterior lighting	
F55 20A Air conditioning, exterior lighting, interior lighting, mirrors, central locking, electric windows	
F56 - Spare	
F57 10A Mirrors, alarm	
F58 15A Audio, clock	
F59 20A Exterior lighting	
F60 15A Exterior lighting	
F61 15A Exterior lighting	
F62 20A Heated seats	
F63 25A Electric windows, air conditioning	
F64 - Spare	
F65 10A SRS	
F66 7.5A Exterior lighting, air conditioning, wash/wipe	
F67 10A Instrument cluster, exterior lighting, SRS	
F68 7.5A Navigation, audio, clock, instrument cluster, alarm, air conditioning	
F69 20A Exterior lighting	



Earth locations

E1 On engine	E10 In engine bay, by LH strut tower
E2 On engine	E11 In passenger compartment, front of RH inner sill
E3 In engine bay, behind LH headlight	E12 In passenger compartment, front of RH inner sill
E4 'A' pillar driver's side	E13 In passenger compartment, front of RH inner sill
E5 In luggage compartment	E14 Roof opening panel
E6 LH side of luggage compartment	E15 Behind centre of dash
E7 In engine bay, behind RH headlight	E16 In passenger compartment, LH inner sill, below 'B' post
E8 In passenger compartment, front of LH inner sill	
E9 In passenger compartment, front of LH inner sill	

H47141

Colour codes

Wh White	Og Orange
Bu Blue	Rd Red
Gy Grey	Pk Pink
Ye Yellow	Gn Green
Bn Brown	Vt Violet
Bk Black	Sr Silver
Na Natural	Lg Light green

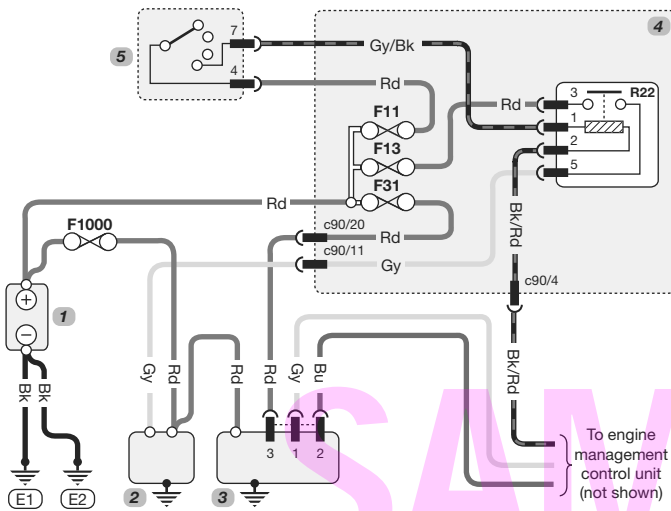
Key to items

1 Battery	5 Ignition switch	13 Glow plug no. 1
2 Starter motor	6 Engine cooling fan	14 Glow plug no. 2
3 Alternator	7 Air conditioning pressure switch	15 Glow plug no. 3
4 Engine fusebox	8 Engine coolant temp. sensor	16 Glow plug no. 4
R13 = power hold relay	9 Horn (low tone)	
R22 = starter relay	10 Horn (high tone)	
R33 = horn relay	11 Steering wheel clock springs	
R212 = glow plug relay	12 Horn switch	

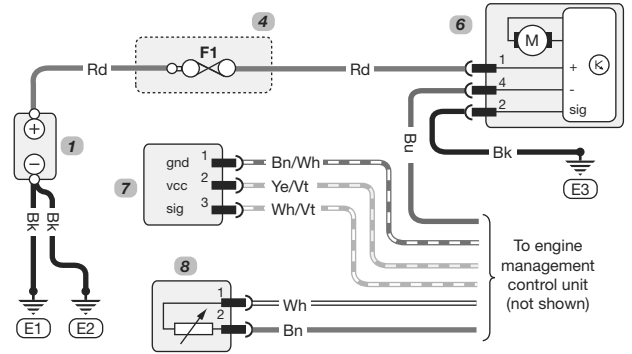
Diagram 2

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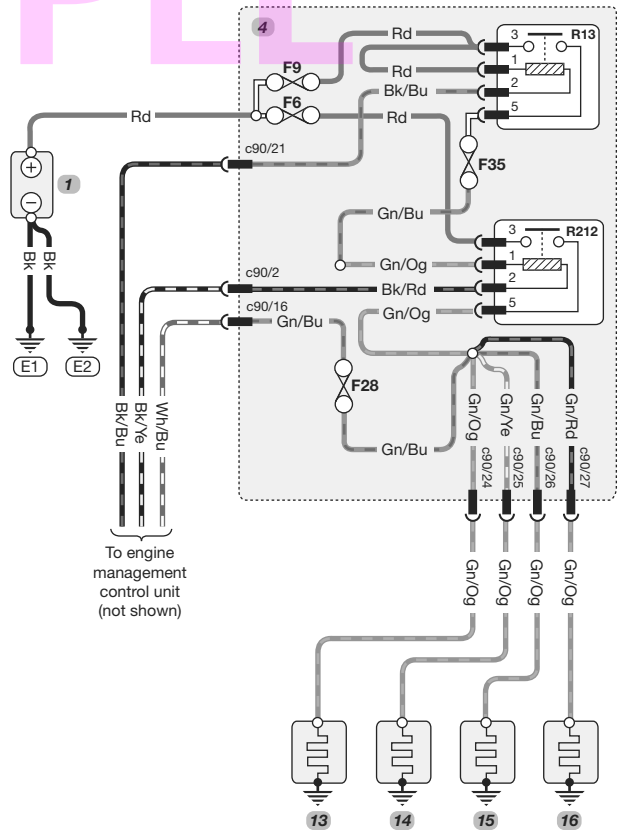
Typical starting & charging



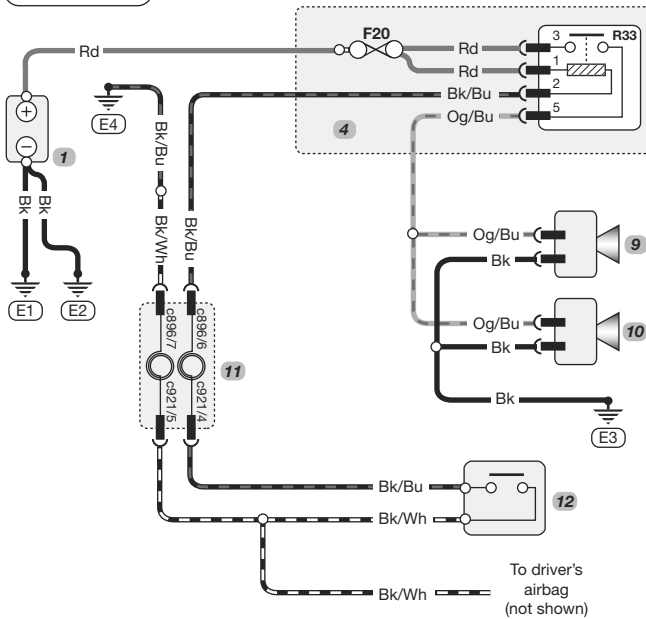
Typical engine cooling fan



Typical pre-heating system



Typical horn



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Bn Brown	Vt Violet
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Na Natural	Lg Light green

Key to items

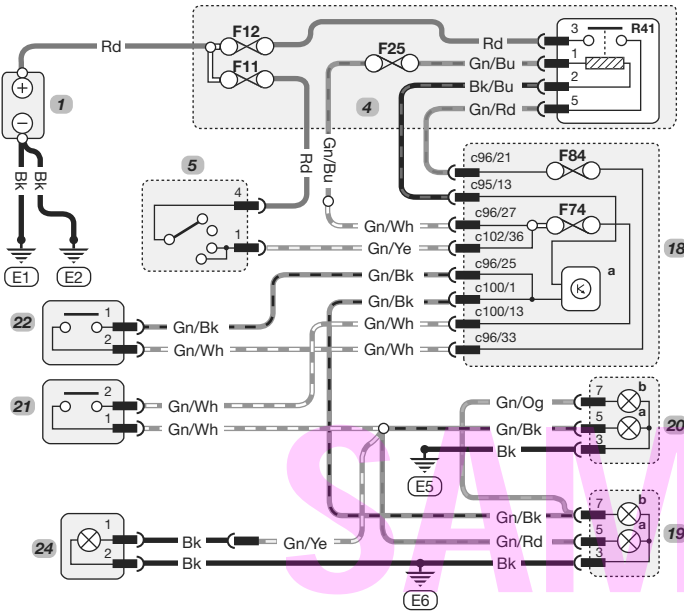
1 Battery	19 LH rear light
4 Engine fusebox	a = stop light
R41 = ignition relay	b = reversing light
5 Ignition switch	c = fog/tail light
18 Passenger fusebox	20 RH rear light
a = GEM control unit	(as above)
b = autolighting relay	21 Stop light switch
c = dip beam relay	22 Reversing light switch
d = main beam relay	24 High level stop light

Diagram 3

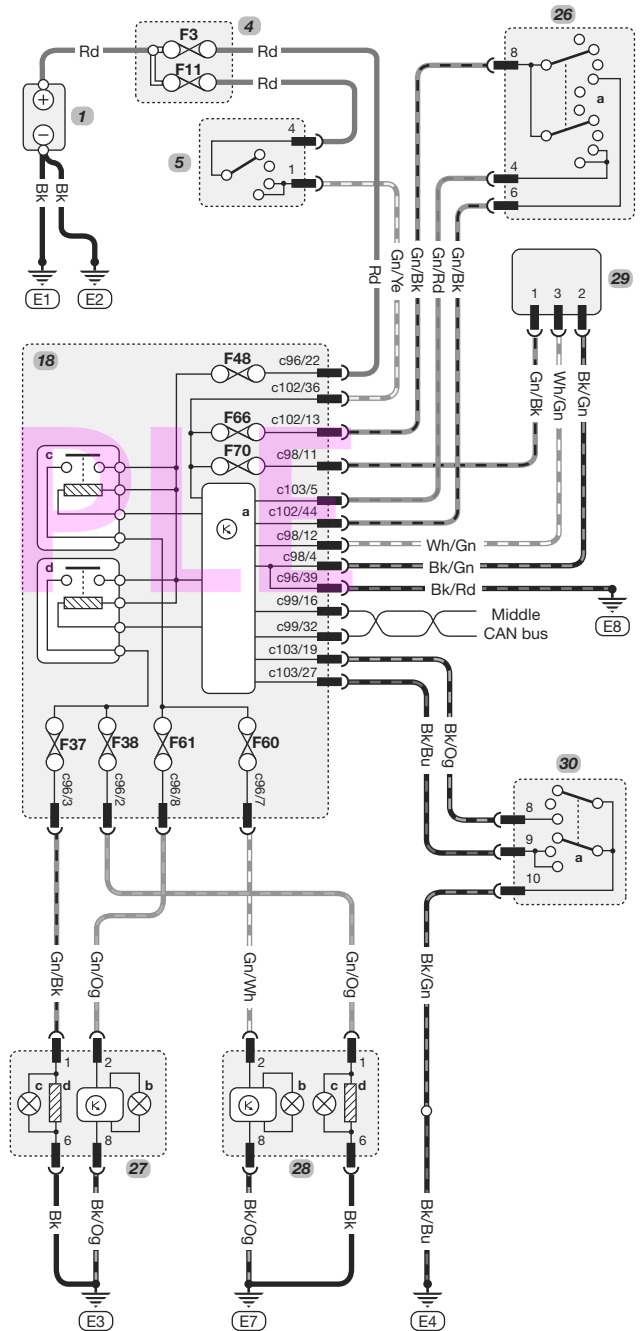
25 Number plate light	28 RH headlight
26 Light switch	(as above)
a = park/off/side/head/auto	29 Autolighting/rain sensor
27 LH headlight	30 Multifunction switch
a = side light	a = main beam/flasher
b = dip beam	
c = main beam	
d = light shade	

H47143

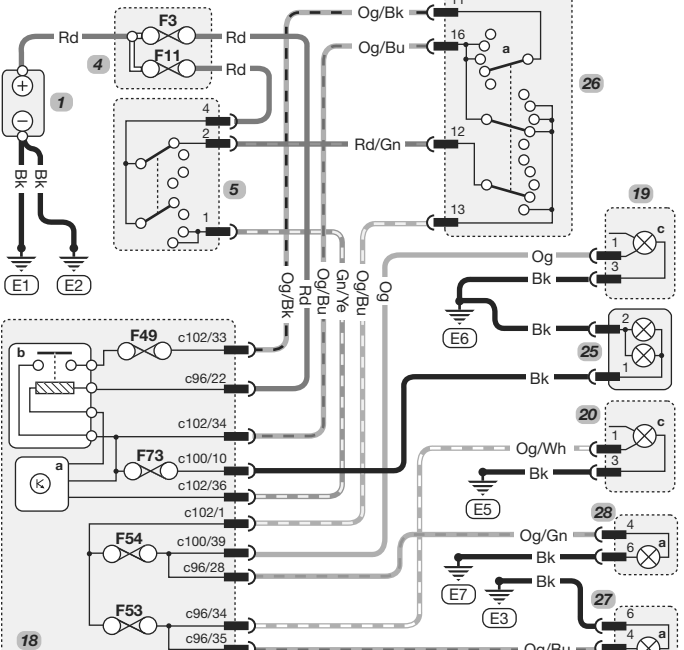
Typical stop & reversing lights



Typical headlights



Typical side, tail & number plate lights



Colour codes

Wh White	Og Orange
Bu Blue	Rd Red
Gy Grey	Pk Pink
Ye Yellow	Gn Green
Bn Brown	Vt Violet
Bk Black	Sr Silver
Na Natural	Lg Light green

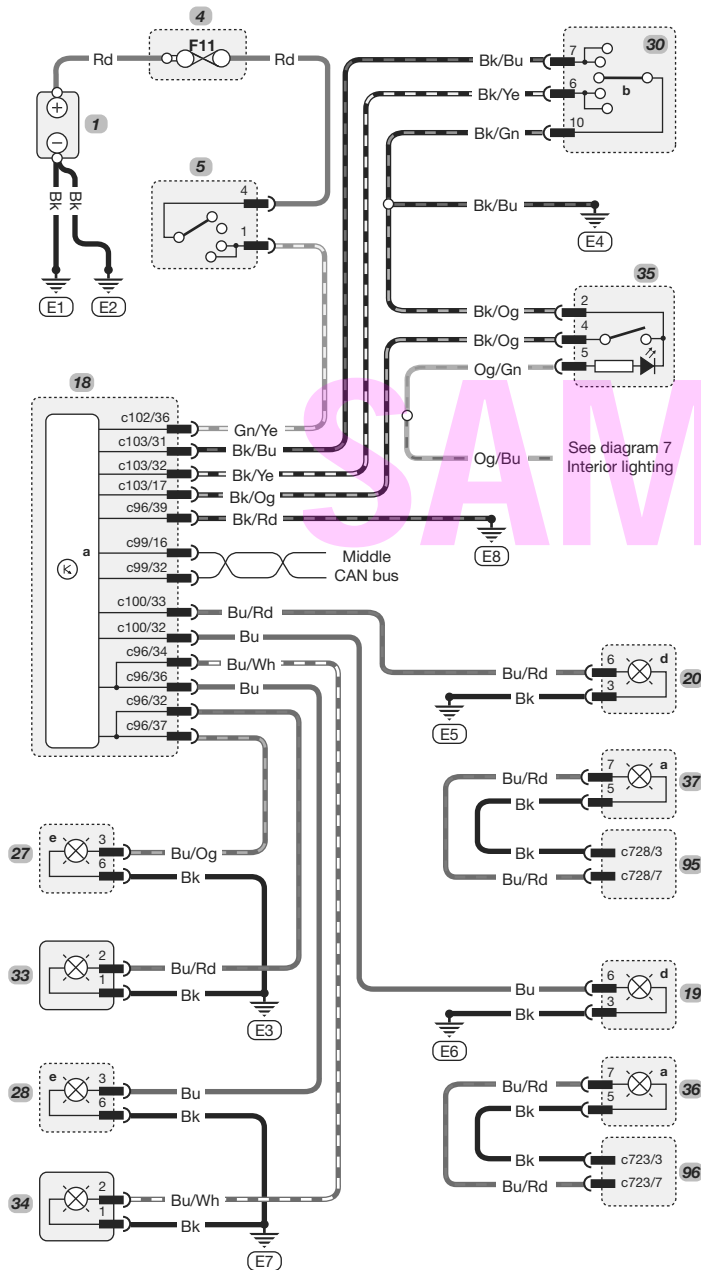
Key to items

1 Battery	26 Light switch	35 Hazard warning switch
4 Engine fusebox	b = front/rear foglight	36 LH exterior mirror
R41 = ignition relay	27 LH headlight	a = indicator side repeater
5 Ignition switch	e = direction indicator	37 RH exterior mirror
18 Passenger fusebox	28 RH headlight	a = indicator side repeater
a = GEM control unit	(as above)	38 LH front foglight
19 LH rear light	30 Multifunction switch	39 RH front foglight
c = fog/tail light	b = direction indicator	95 Driver's door control unit
d = direction indicator	33 LH front side repeater	96 Passenger's door control unit
20 RH rear light (as above)	34 RH front side repeater	

Diagram 4

H47144

Typical direction indicators & hazard warning lights



Typical foglights

