

Subaru Interface wiring function colour table

Subaru Loom Side wiring

Plug S1	8Pin	White	Engine/ECU Power supplies	Gen1 Liberty EJ22	06 Impreza	04 Liberty EJ25 Part Canbus	08 Liberty EJ25 Canbus	08 Forester EJ25 Canbus	14 Impreza FB20 Canbus	14 Forester FB25 Canbus
Pin1	ECU Ignition power (from ignition switch)			Yellow (thin)	-	Green/Red (BIU)	Green/Red (BIU)	Green/Red (BIU)	Green/Red (BIU)	Violet (BIU)
Pin2	ECU Backup power (12V Contant)			Yellow/Red (thin)	-	White/Blue (BIU)	White/Blue (BIU)	White/Blue (BIU)	White (BIU)	Pink (BIU)
Pin3	EFI1 Power			Yellow/Blue	Yellow/Black	Yellow/Blue	Yellow/Blue	Yellow/Black	Yellow/Black	Red/White
Pin4	Throttle Power (Dive by wire only)			-	-	Blue/Red	Blue/Red	Blue/Red	Blue/Red	Blue/Red
Pin5	ECU Ignition power (from ignition switch)			-	Green/Red	Green/Red	Green/Red	Green/Red	Green/Red	Violet
Pin6	ECU Backup power (12V Contant)			-	Black/Red	White	White	White	White	Green
Pin7	A/F O2 Sensor Power Supply			Yellow/Red	Yellow/Red	White/Black	Yellow/Black	White/Black	Black/Yellow	White/Black
Pin8	EFI2 Power			-	-	-	Blue	Blue	Blue/Black	Light Blue
Plug S2	12Pin	White	Engine Relay control - Fuel pump Control							
Pin1	PWM Fan Signal (H6 Only) / AC Mid Pressure SW			-	-	Yellow/Black	Yellow/Black	Yellow/Black	Yellow/Black	Yellow/Black
Pin2	Sub Fan Trigger			Red/Blue (pin2-3 joined)	Green/Red	Blue/Red	Red/Blue	Red/Blue	Red/Blue	Red
Pin3	Main Fan Trigger			Red/Blue (pin2-3 joined)	White/Blue	Black/Red	Black/Red	Black/Red	Black/Red	Pink
Pin4	A/C Relay Trigger			Blue	Brown/Red	Blue/Orange	Blue/Orange	Blue/Orange	Blue/Orange	Blue/Orange
Pin5	A/C Request signal			Yellow	Pink/Black	Pink	Pink	Pink	-	-
Pin6	Start Request (fused)			-	-	-	White/Blue	White/Blue	White/Black	White
Pin7	Fuel Pump Relay Trigger			Light Green/Black	Light Green/Black	Light Green	Light Green	Light Green	Red/Blue	Green
Pin8	PWM Fuel Pump Control (O2+ Turbo and H6 only)			-	-	-	-	-	-	-
Pin9	PWM Feedback (O2_ Turbo and H6 only)			-	-	-	-	-	-	-
Pin10	Fuel Level (optional)			-	Brown/White	Black/Blue (BIU)	Black/Blue (BIU)	Black/Orange (BIU)	Black/Orange (BIU)	-
Pin11	EFI Relay (and A/F Relay) Trigger			Light Green	Light Green	Light Green	Blue/Green	Light Green	Light Green	Light Green
Pin12	Throttle Relay Trigger (Drive by wire only)			-	-	Red/Blue	Red/Blue	Red/Blue	Red/Black	Yellow
Plug S3	6Pin	White	Accelerator Pedal (Drive By Wire Only)							
Pin1	APP1 GROUND			-	-	Yellow/Green	Blue	Blue	Blue	Blue
Pin2	APP1 Signal			-	-	Orange	White	White	White	White
Pin3	APP1 Vref (5V)			-	-	Blue/Yellow	Green/Black	Green/Black	Green/Black	Green/Black
Pin4	APP2 GROUND			-	-	Blue	Yellow	Yellow/Green	Green	Green/Red
Pin5	APP2 Signal			-	-	Yellow	Red	Orange	Orange	Light Blue
Pin6	APP2 Vref(5V)			-	-	Green/Black	Blue/Yellow	Blue/Yellow	Blue/Yellow	Blue/Yellow
Plug S4	10Pin	White	OBDII and diagnostics							
Pin1	SSM (Subaru Select Monitor data) - OBDII pin7)			Light Green/Red	Light Green/Black	Violet/Red	Violet/Red	Violet/Red	Violet/Red	-
Pin2	CAN-LOW (Canbus Models - OBDII pin14)			-	-	Blue	Blue	Blue	Blue	Blue
Pin3	CAN-HIGH (Canbus Models - OBDII pin6)			-	-	Red	Red	Red	Red	Red
Pin4	TEST CONNECTOR (Also connected to OBDII pin3)			Blue/Green	Orange	Pink	Pink	Pink	Pink	Pink
Pin5	OBDII GROUND (OBDII pin 4&5)			Black/Red	Green	Black/Blue	Black/Red	Black/Red	Black/Green	Black
Pin6	(OBDII pin9)			-	-	-	-	-	-	-
Pin7	(OBDII pin11)			-	-	-	-	-	-	-
Pin8	(OBDII pin12)			-	-	-	-	-	-	-
Pin9	(OBDII pin13)			-	-	-	-	-	-	-
Pin10	READ MEMORY Connector			Red/Black Green/White	-	-	-	-	-	-
Plug S5	20Pin	White	Dash/Front Wiring							
Pin1	Alternator Control (if equipped) (Connected to S6 Pin3)			-	Blue	Black/Red	Black/Red	Black/Green	Black/White	Violet
Pin2	Clutch Switch (if equipped) (Connected to C8 Pin1)			-	-	Red/Yellow	Green/Yellow	Red/Yellow	Red/Yellow	-
Pin3	Spare			-	-	-	-	-	-	-
Pin4	Cruise Indication (Connected to C8 Pin2)			-	-	-	-	-	-	-
Pin5	Cruise Indication (Connected to C8 Pin3)			-	-	-	-	-	-	-
Pin6	Cruise Switch Ground (Connected to C8 Pin4)			-	-	-	-	-	-	-
Pin7	Cruise Sub Switch (Connected to C8 Pin5)			-	-	Black/Blue	Black/Blue	Black/Blue	-	Black
Pin8	Cruise Main Switch (Connected to C8 Pin6)			-	-	Yellow/Blue	Yellow/Blue	Yellow/Blue	Black/Blue	Red
Pin9	Brake Switch N/C (Connected to C8 Pin7)			-	-	White	White	White	White	Brown
Pin10	Brake Switch N/O (Connected to C8 Pin8)			-	-	Yellow	Yellow	Yellow	Yellow	Yellow
Pin11	Gauge Ground (from Engine) (Connected to C5 Pin9)			-	-	Brown/Red	Brown	Light Green	Light Green	White/Red
Pin12	Oil Pressure Lamp (Connected to C5 Pin8)			-	Black	Black/Blue	Black/Yellow	Black/Blue	Black/White	Black
Pin13	Temperature Gauge (if equipped) (Connected to C5 Pin7)			-	White/Red	Green/Orange	Green/Orange	Green/Orange	Green/Green	Green/Yellow
Pin14	MIL Lamp (Connected to C5 Pin6)			-	Green/White	-	-	-	-	-
Pin15	Tachometer Signal (Connected to C5 Pin5)			-	White/Green	-	-	-	-	-
Pin16	Immobiliser Lamp (Connected to C5 Pin4)			-	Red/Green	Orange/White	Orange/White	Light Green/Black	-	-
Pin17	Spare			-	Black/Blue	Pink	Pink	Grey/Red	-	-
Pin18	Spare			-	Orange/White	-	-	-	-	-
Pin19	Speed Sensor (Connected to C7 Pin2)			-	Red/White	-	-	-	-	-
Pin20	Neutral Switch (Connected to C2 Pin1)			-	Black/Blue	Brown/Red (BIU)	Brown/Red (BIU)	Brown/Red (BIU)	Brown/Red (BIU)	Brown/Red
Plug S6	4Pin	Green	Alternator/AC Engine Harness							
Pin1	A/C Clutch power (from A/C Relay)			Yellow/Green	Blue	Blue/Green	Blue/Green	Blue	Blue	Blue
Pin2	Alternator Charge Lamp (Connected to C4 Pin3)			Black/White	Black/White	Black/White	Black/White	Black/White	Black/White	Black/White
Pin3	Alternator Control Signal (if Equipped)			-	Blue	Blue	Black/Red	Black/Red	Black/Red	Black/Red
Pin4	Alternator Voltage Sense (Constant 12V)			-	Yellow	Yellow	White/Red	White/Red	White/Red	White/Red

