



Mastercheck Pin	Mastercheck Data Function	Mapping to OBD-II		
		Connector Pin(s)		
Mast	Mastertech Socket Pins that map directly to ISO 9141 OBD-II Port Pins			
В	+12V source (fused, 4 Amp)	16		
E	Ground/Earth	4 & 5		
r	Transmission/Gearbox ISO-9141 L-Line [Ctrl Line]	15		
S	Transmission/Gearbox ISO-9141 K-Data [P-code]	7		
V	Powertrain/Engine ISO-9141 L-Line [Ctrl Line]	15		
W	Powertrain/Engine ISO-9141 K-Data [P-Code]	7		
	Full Mastertech Socket Pin to Function Map			
Α	+12V via Ignition, Fuseboard F2, fuse A3 (20 Amp)			
В	+12V source, via several Fuseboard F1 fuses in series			
	ALSO to 6-way diagnostic plug & socket (single pin)			
	FROM THERE to Pin 16 on OBD-II connector			
	for USA or Canadian Specification Cars			
С	Engine Management ECU, pin 46, via 104-way connector			
D	Unused			
E	Ground/Earth			
	ALSO to 6-way diagnostic plug & socket (single pin)			
	FROM THERE to Pins 4 &5 on OBD-II connector			
	for USA or Canadian Specification Cars			
F	Automatic Ride Control 'Power' ECU, via 24-way connector			

G	Automatic Ride Control 'Power' ECU, via 24-way connector
Н	Unused
J	Centralized door locking/alarm system ECU
K	Transmission Control Module (TCM) ECU, pin 40, via 55-way
	connector
L	Air conditioning unit microprocessor
M	Unused
N	Centralized Door Locking (CDL)/anti-theft alarm system ECU,
	pin 7, via CDL 12-way socket
	ALSO Air Bags System ECU, pin 7
	ALSO via air bags/seat belt pretensioner diagnostic switch
	to pin 7 on seat belt pretensioner ECU
	This pin is always connected to the CDL ECU <b>and</b> to:
	the Air Bags System ECU ALONE
	<u>or</u> (the Air Bags System ECU
	and the seat belt pretensioner ECU)
Р	Centralized Door Locking (CDL)/anti-theft alarm system ECU,
	pin 17, via CDL 26-way socket
	ALSO Air Bags System ECU, pin 8
	ALSO via air bags/seat belt pretensioner diagnostic switch
	to pin 8 on seat belt pretensioner ECU
	This pin is always connected to the CDL ECU <b>and</b> to:
	the Air Bags System ECU ALONE
	or (the Air Bags System ECU
	and the seat belt pretensioner ECU)
S	Turbo Air Pressure Transducer – Boost Control (in volts),
	Turbo cars only
Т	Barometric pressure sensor
U	Unused
V	Engine Management ECU, pin 72, via 104-way connector
	Engine Speed Signal (Ctrl is on socket pin C?)
W	Unused
X	Anti-Lock Braking System ECU
Υ	TCM Road Speed Signal, pin 34, via 55-way connector
Z	Instruments Module, through (in order):
	24-way main to valance loom plug/socket [Right A-post]
	24-way Automatic Ride Control connector and
	26-way instruments module socket, yellow
а	?? from TCM, pin 26, via 55-way connector
b	Throttle position potentiometer - transmission
С	Engine Coolant Temperature Sensor Output
d	?? from TCM, pin 39, via 55-way connector
е	?? from TCM, pin 43, via 55-way connector
f	?? from TCM, pin 42, via 55-way connector
g	Temperature/voltage probe, pin 4, via 18-way main loom to
	valence plug/socket, Right A-post
h	Temperature/voltage probe, pin 3, via 18-way main loom to

i	Temperature/voltage probe, pin 2, via 18-way main loom to
	valence plug/socket, Right A-post
j	Temperature/voltage probe, pin 1, via 18-way main loom to
	valence plug/socket, Right A-post
k	Unused
m	?? from TCM, pin 52, via 55-way connector
n	?? from TCM, pin 49, via 55-way connector
р	Throttle Position switch/potentiometer
q	Throttle Position switch/potentiometer
r	Transmission/Gearbox ISO-9141 L-Line (Ctrl line to TCM),
	pin 16, via 55-way connector
	ALSO to 6-way diagnostic plug & socket
	(two pins both of which carry ctrl data from r & v)
	FROM HERE to Pin 15 on OBD-II connector
	for USA or Canadian Specification Cars
S	Transmission/Gearbox ISO-9141 K-Data (P-code from TCM),
	pin 45, via 55-way connector
	ALSO to 6-way diagnostic plug & socket
	(two pins both of which carry ctrl data from s & w)
	FROM HERE to Pin 7 on OBD-II connector
	for USA or Canadian Specification Cars
t	NOT CONNECTED according to wiring diagram
u	NOT CONNECTED according to wiring diagram
V	Powertrain/Engine ISO-9141 L-Line (Ctrl line to Engine
	Management ECU), pin 92, via 104-way connector
	ALSO to 6-way diagnostic plug & socket
	(two pins both of which carry ctrl data from r & v)
W	Powertrain/Engine ISO-9141 K-Data (P-code from Engine
	Management ECU), pin 40, via 104-way connector
	ALSO to 6-way diagnostic plug & socket
	(two pins both of which carry ctrl data from s & w) Unused
X	Unused
y z	Unused
aa	Unused
aa	Ondoca