



MASSIMO

FUEL PUMP TESTING SHEET

MODEL: _____

YEAR: _____

COLOR: _____

TEST	SPEC	TEST RESULTS	WITH SPEC	
CHECK IGNITION FUSE 15 A	NOT BLOWN		Y	N
CHECK DC EQUIPMENT FUSE 15 A	NOT BLOWN		Y	N
CHECK ECM FUSE 10 A	NOT BLOWN		Y	N
RUN 12V BATTERY FROM THE + POST TO THE WHITE/BLACK AND - POST TO BLACK/RED WIRE ON FUEL PUMP HARNESS	PUMP RUNS		Y	N
VDC VOLTAGE TEST				
CHECK AT ECM BLACK (J2) PLUG PIN NUMBER 9 OR BLACK/RED WIRE	12.8 VDC +/- 2 VDC		Y	N
CHECK THE WHITE/BLACK POWER WIRE TO FUEL PUMP IN ENGINE HARNESS	12.8 VDC +/- 2 VDC		Y	N
IF THE CHECK ABOVE WAS NOT IN SPEC THEN UNPLUG THE ENGINE HARNESS FROM THE MAIN HARNESS AND TEST RED/WHITE WIRE IN THE MAIN HARNESS	12.8 VDC +/- 2 VDC		Y	N
RESISTANCE (OHMS) TEST				
RESISTANCE CHECK THE FUEL PUMP BETWEEN WHITE/BLACK WIRE AND BLACK/RED WIRE ON THE FUEL PUMP HARNESS STILL PLUG INTO THE FUEL PUMP	1.1 OHMS +/- .2 OHMS		Y	N

PLEASE REMEMBER TO ALWAYS VISUAL CHECK ALL CONNECTINS FOR ANY ISSUES WHILE TESTING



MASSIMO

FUEL INJECTOR TESTING SHEET (400/500/700)

MODEL:

YEAR:

COLOR:

TEST	SPEC	TEST RESULTS	WITH SPEC	
CHECK IGNITION FUSE 15 A	NOT BLOWN		Y	N
VDC VOLTAGE TEST				
CHECK THE WHITE/BLACK WIRE AT THE INJECTOR HARNESS	12.8 VDC +/- 2 VDC		Y	N
CHECK THE RED/WHITE WIRE ON BLACK (J2) PLUG PIN 5 FOR VOLTAGE COMING THROUGH INJECTOR TO ECM	12.8 VDC +/- 2 VDC		Y	N
RESISTANCE (OHMS) TEST				
RAN A RESISTANCE TEST ON THE INJECTOR FROM EITHER PIN TO TEST THE RESISTANCE ON THE PART	13.33 OHMS +/- 2 OHMS		Y	N
PHYSICAL CHECK (ONLY DO IF BOTH OF THE VOLTAGE TEST ARE IN SPEC)				
REMOVE THE INJECTOR FROM THE INTAKE MANIFOLD LEAVING THE MOUNTING BRACKET CONNECTED TO THE INJECTOR. THEN PLACE THE INJECTOR IN A CONTAINER AND TURN THE KEY ON.	INJECTOR SPRAYS FUEL		Y	N

PLEASE REMEMBER TO ALWAYS VISUAL CHECK ALL CONNECTINS FOR ANY ISSUES WHILE TESTING



MASSIMO

FUEL INJECTOR TESTING SHEET (800)

MODEL: _____

YEAR: _____

COLOR: _____

TEST	SPEC	TEST RESULTS	WITH SPEC	
			Y	N
CHECK IGNITION FUSE 15 A	NOT BLOWN		Y	N
VDC VOLTAGE TEST				
CHECK THE WHITE/BLACK WIRE AT THE INJECTOR 1 HARNESS	12.8 VDC +/- 2 VDC		Y	N
CHECK THE WHITE/BLACK WIRE AT THE INJECTOR 2 HARNESS	12.8 VDC +/- 2 VDC		Y	N
CHECK THE RED/WHITE WIRE ON BLACK (J2) PLUG PIN 5 FOR VOLTAGE COMING THROUGH INJECTOR TO ECM	12.8 VDC +/- 2 VDC		Y	N
CHECK THE RED/YELLOW WIRE ON BLACK (J2) PLUG PIN 6 FOR VOLTAGE COMING THROUGH INJECTOR TO ECM	12.8 VDC +/- 2 VDC		Y	N
RESISTANCE (OHMS) TEST				
RAN A RESISTANCE CHECK TO EITHER PIN TO THE OTHER ON INJECTOR 1	13.33 OHMS +/- 2 OHMS		Y	N
RAN A RESISTANCE CHECK TO EITHER PIN TO THE OTHER ON INJECTOR 2	13.33 OHMS +/- 2 OHMS		Y	N
PHYSICAL CHECK (ONLY DO IF BOTH OF THE VOLTAGE TEST ARE IN SPEC)				
REMOVE THE INJECTOR FROM THE INTAKE MANIFOLD LEAVING AND PLACE IN A CONTAINER. TURN KEY ON TO CHECK SPRAY OF INJECTOR 1	INJECTOR 1 SPRAYS FUEL		Y	N
REMOVE THE INJECTOR FROM THE INTAKE MANIFOLD LEAVING AND PLACE IN A CONTAINER. TURN KEY ON TO CHECK SPRAY OF INJECTOR 2	INJECTOR 2 SPRAYS FUEL		Y	N



MASSIMO

MAP SENSOR TESTING SHEET

MODEL: _____

YEAR: _____

COLOR: _____

PIN LOCATOR FOR MAP SENSOR PINS ON MAP SENSOR		
PIN A	RED/BLACK WIRE	SIGNAL WIRE #1 TO ECM
PIN B	BLUE/RED WIRE	POWER WIRE FROM ECM
PIN C	BROWN/BLACK WIRE	SIGNAL WIRE # 2 TO ECM
PIN D	GREEN/BLACK WIRE	GROUND WIRE

TEST	SPEC	TEST RESULTS	WITH SPEC	
CHECK IGNITION FUSE 15 A	NOT BLOWN		Y	N
CHECK ECM FUSE 10 A	NOT BLOWN		Y	N
VDC VOLTAGE TEST				
TEST PIN B (BLUE/RED WIRE) ON THE ENGINE HARNESS PLUG	5.00 VDC +/- .5 VDC		Y	N
RESISTANCE (OHMS) TEST				
PIN A TO PIN B	6.73 K OHMS +/- .05 K OHMS		Y	N
PIN A TO PIN C	6 K OHMS +/- .5 K OHMS		Y	N
PIN A TO PIN D	4.58 K OHMS +/- .5 K OHMS		Y	N
PIN B TO PIN C	3.7 K OHMS +/- 1 K OHMS		Y	N
PIN B TO PIN D	2.247 K OHMS +/- 1 K OHMS		Y	N

PLEASE REMEMBER TO ALWAYS VISUAL CHECK ALL CONNECTINS FOR ANY ISSUES WHILE TESTING



MASSIMO

CHARGING SYSTEM TESTING SHEET

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MODEL: _____

YEAR: _____

COLOR: _____

TEST	SPEC	TEST RESULTS	WITH SPEC	
			Y	N
CHECK ECM FUSE 10 A	NOT BLOWN		Y	N
CHECK 30 A MAIN FUSE IN STARTER RELAY	NOT BLOWN		Y	N
OUTPUT VDC VOLTAGE TEST				
MAX OUTPUT TEST AT + AND - BATTERY TERMINALS	13.6 TO 14.8 VOLTS DC		Y	N
VAC OUTPUT TEST STATOR (MAGNETO)				
PIN A TO PIN C	19-26 VAC PER 1,000 RPM		Y	N
PIN A TO PIN C	45 TO 60 VAC AT PEAK		Y	N
PIN A TO PIN B	19-26 VAC PER 1,000 RPM		Y	N
PIN A TO PIN B	45 TO 60 VAC AT PEAK		Y	N
PIN B TO PIN C	19-26 VAC PER 1,000 RPM		Y	N
PIN B TO PIN C	45 TO 60 VAC AT PEAK		Y	N
RESISTANCE (OHMS) TEST				
PIN A RESISTANCE TO GROUND	OFL		Y	N
PIN B RESISTANCE TO GROUND	OFL		Y	N
PIN C RESISTANCE TO GROUND	OFL		Y	N
PLEASE REMEMBER TO ALWAYS VISUAL CHECK ALL CONNECTINS FOR ANY ISSUES WHILE TESTING				



MASSIMO



MASSIMO

FUEL PUMP FLOAT TESTING SHEET

MODEL: _____

YEAR: _____

COLOR: _____

TEST	SPEC	TEST RESULTS	WITH SPEC	
CHECK IGNITION FUSE 15 A	NOT BLOWN		Y	N
CHECK ECM FUSE 10 A	NOT BLOWN		Y	N
VDC VOLTAGE TEST				
CHECK THE GREEN/YELLOW WIRE COMING FOR THE MAIN WIRING HARNESS TO THE FUEL PUMP WIRING HARNESS	4.5 VDC +/- .5 VDC		Y	N
RESISTANCE (OHMS) TEST				
CHECK THE RESISTANCE BETWEEN THE GREEN/YELLOW AND BLACK WIRE ON THE FUEL PUMP WIRING HARNESS WHILE THE HARNESS IS STILL CONNECTED TO FUEL PUMP AS THE FLOAT IS IN THE EMPTY POSITION	111 OHMS +/- 5 OHMS		Y	N
CHECK THE RESISTANCE BETWEEN THE GREEN/YELLOW AND BLACK WIRE ON THE FUEL PUMP WIRING HARNESS WHILE THE HARNESS IS STILL CONNECTED TO FUEL PUMP AS THE FLOAT IS IN THE FULL POSITION	3.94 OHMS +/- 1 OHMS		Y	N

PLEASE REMEMBER TO ALWAYS VISUAL CHECK ALL CONNECTINS FOR ANY ISSUES WHILE TESTING



MASSIMO

STEPPER MOTOR TESTING SHEET

MODEL: _____

YEAR: _____

COLOR: _____

PIN LOCATOR FOR MAP SENSOR PINS ON MAP SENSOR		
PIN A	BLUE/YELLOW WIRE	
PIN B	BLUE WIRE	
PIN C	BROWN/WHITE WIRE	
PIN D	BROWN WIRE	

TEST	SPEC	TEST RESULTS	WITH SPEC	
			Y	N
CHECK IGNITION FUSE 15 A	NOT BLOWN		Y	N
CHECK ECM FUSE 10 A	NOT BLOWN		Y	N
VDC VOLTAGE TEST				
TEST PIN D (BROWN WIRE) TO PIN C (BROWN/WHITE WIRE) ON THE ENGINE HARNESS SIDE	12.8 VDC +/- 2 VDC		Y	N
TEST PIN B (BLUE WIRE) TO PIN A (BLUE/YELLOW WIRE) ON THE ENGINE HARNESS SIDE	12.8 VDC +/- 2 VDC		Y	N
RESISTANCE (OHMS) TEST				
RAN A RESISTANCE CHECK BETWEEN PIN D TO PIN C	51.98 OHMS +/- 4 OHMS		Y	N
RAN A RESISTANCE CHECK BETWEEN PIN B AND PIN A	51.98 OHMS +/- 4 OHMS		Y	N
RAN A RESISTANCE CHECK BETWEEN THE PIN D AND PIN B	OFL		Y	N
RAN A RESISTANCE CHECK BETWEEN THE PIN C AND PIN A	OFL		Y	N
PLEASE REMEMBER TO ALWAYS VISUAL CHECK ALL CONNECTINS FOR ANY ISSUES WHILE TESTING				



MASSIMO

THROTTLE POSITION SENSOR TESTING SHEET

MODEL:

YEAR:

COLOR:

PIN LOCATOR FOR THROTTLE POSITION PINS ON THROTTLE POSITION SENSOR

PIN A	BLUE/RED WIRE	POWER WIRE FROM ECM
PIN B	YELLOW/BLACK WIRE	SIGNAL WIRE TO ECM
PIN C	GREEN/BLACK WIRE	GROUND WIRE

TEST	SPEC	TEST RESULTS	WITH SPEC	
CHECK IGNITION FUSE 15 A	NOT BLOWN		Y	N
CHECK ECM FUSE 10 A	NOT BLOWN		Y	N
VDC VOLTAGE TEST				
TEST PIN A (BLUE/RED WIRE) ON THE ENGINE HARNESS FOR VDC	5 VDC +/- .5 VDC		Y	N
RESISTANCE (OHMS) TEST				
RAN A RESISTANCE CHECK TO PIN A TO PIN C	5.09 K OHMS +/- 1 K OHMS		Y	N
RAN A RESISTANCE CHECK TO PIN A TO PIN B	5.09 K OHMS +/- 1 K OHMS		Y	N
RAN A RESISTANCE CHECK TO PIN B TO PIN C	1.9442 K OHMS +/-1K OHMS		Y	N

PLEASE REMEMBER TO ALWAYS VISUAL CHECK ALL CONNECTINS FOR ANY ISSUES WHILE TESTING



MASSIMO

DELPHI WATER TEMPERATURE SENSOR TESTING SHEET

MODEL: _____

YEAR: _____

COLOR: _____

PIN LOCATOR FOR DELPHI WATER TEMPERATURE PINS ON THE DELPHI WATER TEMPERATURE SENSOR

PIN A	GREEN/BLACK WIRE	GROUND WIRE
PIN B	ORANGE/BLACK WIRE	POWER WIRE FROM ECM

TEST	SPEC	TEST RESULTS	WITH SPEC	
CHECK IGNITION FUSE 15 A	NOT BLOWN		Y	N
CHECK ECM FUSE 10 A	NOT BLOWN		Y	N
VDC VOLTAGE TEST				
TEST PIN B (ORANGE/BLACK WIRE) IN THE ENGINE HARNESS	5 VDC +/- .5 VDC		Y	N
RESISTANCE (OHMS) TEST				
PIN A (GREEN/BLACK WIRE) TO PIN B (ORANGE/BLACK WIRE)	1.865 K OHMS +/- .05 K OHMSΩ		Y	N

PLEASE REMEMBER TO ALWAYS VISUAL CHECK ALL CONNECTINS FOR ANY ISSUES WHILE TESTING



MASSIMO

IGNITION SYSTEM TEST PAGE 1

MODEL: _____

YEAR: _____

COLOR: _____

TEST	SPEC	TEST RESULTS	WITH SPEC	
CHECK ECM FUSE 10 A	NOT BLOWN		Y	N
CHECK 30 A MAIN FUSE IN STARTER RELAY	NOT BLOWN		Y	N
VDC VOLTAGE TEST FOR FUEL INJECTION IGNITION WIRE CIRCUIT				
RED WIRE GOING TO IGNITION SWITCH IN THE MAIN WIRING HARNESS	12.8 VDC +/- 2 VDC		Y	N
UNPLUG THE BROWN/WHITE WIRE COMING OUT OF THE IGNITION SWITCH FROM THE MAIN WIRING HARNESS. THEN TEST TURN THE KEY TO THE ON POSITION AND CHECK THE VOLTAGE ON THE BROWN/WHITE WIRE OUT OF THE IGNITION SWITCH	12.8 VDC +/- 2 VDC		Y	N
VDC VOLTAGE TEST FOR FUEL INJECTION IGNITION WIRE CIRCUIT				
ECM BLACK (J2) PLUG PIN 15	12.8 VDC +/- 2 VDC		Y	N
ECM WHITE (J1) PLUG PIN 11	12.8 VDC +/- 2 VDC		Y	N
FUEL PUMP WHITE/BLACK WIRE IN ENGINE HARNESS	12.8 VDC +/- 2 VDC		Y	N
IGNITION COIL WHITE/BLACK WIRE IN THE ENGINE HARNESS	12.8 VDC +/- 2 VDC		Y	N
O2 SENSOR WHITE/BLACK WIRE IN THE ENGINE HARNESS	12.8 VDC +/- 2 VDC		Y	N
INJECTOR WHITE/BLACK WIRE IN THE ENGINE HARNESS	12.8 VDC +/- 2 VDC		Y	N
PLEASE REMEMBER TO ALWAYS VISUAL CHECK ALL CONNECTORS FOR ANY ISSUES WHILE TESTING				



MASSIMO

IGNITION SYSTEM TEST PAGE 2