

12 Consolidated Tables

Test Drive - Dynamics

✓,X,?	Characteristic	Observations
	Engine Idle	
	Engine Smoothness	
	Engine Power	
	Vibration	
	Tracking	
	Suspension	
	Brakes	
	Noises	

Test Drive - With Tester

✓,X,?	Characteristic	Observations
	Operating Temperature	
	Knock Count	

Test Drive - Instruments

✓,X,?	Component	✓,X,?	Component
	Oil Pressure Gauge		Fuel Level Gauge
	Temperature Gauge		Voltmeter
	Speedometer		Tachometer
	Odometer		PRDNL Lights
	Backlighting		Warning Lights
	Dimmer		Cruise Control



Test Drive - Instruments

✓,X,?	Component	✓,X,?	Component
	Hazard Lights		Wipers
	Odometer		Trip Odometer

Test Drive - Accessories I

✓,X,?	Left	✓,X,?	Right
	Power Window		Power Window
	Side-view Mirror		Side-view Mirror
	Hatch Release		Hatch Release
	Door Lock		Door Lock

Test Drive - Accessories II

✓,X,?	Component	✓,X,?	Component
	Sunroof		Rear Wiper
	Front A/C		Rear A/C
	Central Locking		Odometer / Timer Reset
	HVAC Blower		HVAC Flaps
	Radio		Clock
	Interior Lights		PSD ('90-'95)

Suspension Loaded - Steering Components

✓,X,?	Left	✓,X,?	Right
	Steering Rack Boot		Steering Rack Boot
	Inner Tie-Rod Joint		Inner Tie-Rod Joint
	Outer Tie-Rod Joint		Outer Tie-Rod Joint



Suspension Loaded - Steering Components

✓,X,?	Left	✓,X,?	Right
	Upper Ball-Joint		Upper Ball-Joint
	Lower Ball-Joint		Lower Ball-Joint

Suspension Loaded - Miscellaneous

✓,X,?	Component	✓,X,?	Component
	Steering rack arm movement.		Steering rack seals
	Steering Rack Bushings		PS Line from Pump
	Plastic Belly Pan		PS Line to Cooler
	Metal Belly Pan		Alternator Fresh Air Hose

Front Wheel Wells

✓,X,?	Left, Front	✓,X,?	Right, Front
	Even Tire Wear		Even Tire Wear
	Wheel Bearing Adjustment		Wheel Bearing Adjustment
	Pads (Thickness, Even Wear)		Pads (Thickness, Even Wear)
	Rotor (Thickness, Cracks)		Rotor (Thickness, Cracks)
	Pad Guide Plates		Pad Guide Plates
	Flexible Brake Line		Flexible Brake Line
	ABS/PW/RDK Harnesses		ABS/PW/RDK Harnesses
	Fender Liner		Fender Liner
	Splash Guard		Splash Guard

Rear Wheel Wells

✓,X,?	Left, Rear	✓,X,?	Right, Rear
	Even Tire Wear		Even Tire Wear
	Pads (Thickness, Even Wear)		Pads (Thickness, Even Wear)
	Rotor (Thickness, Cracks)		Rotor (Thickness, Cracks)
	Pad Guide Plates		Guide Plates
	Flexible Brake Line		Flexible Brake Line
	ABS/PW/RDK Harnesses		ABS/PW/RDK Harnesses
	Fender Liner		Fender Liner

Underneath I

✓,X,?	Left	✓,X,?	Right
	Oil Cooler Hoses		Transaxle Cooler Hoses (Autos, GTSS)
	Exhaust test port (pre-89.5)		Exhaust test port (pre-89.5)
	Cam Cover Gasket		Cam Cover Gasket
	Outer CV Boot		Outer CV Boot
	Inner CV Boot		Inner CV Boot

Underneath II

✓,X,?	Component	✓,X,?	Component
	Clutch slave (5-Speed)		Lines to slave (5-Speed)
	Clutch disc thickness (5-Speed)		Oil Pan Gasket
	Motor Mounts		Exhaust
	Transaxle Pan Gasket (Auto)		Engine Ground Cable
	O2 Sensor Wiring		Heat Shields



Engine Bay - Quick Checks

✓,X,?	Component	✓,X,?	Component
	Air box Straps (Condition)		ATF / Gear Oil Cooler Hoses (Auto, GTS)
	Air Filter (Orientation, Condition)		Jump Post Cover and Cap
	Lower Air box (MAF Seal)		Main Harness at Jump Post (Routing, Cond.)
	Exhaust Test Ports (pre-89.5)		Hall Sensor Harness Routing
	E-clips on headlight motor arm		Blue Hose to CMC (5-Speed)
	Radiator Pressure Relief Fitting		Brake Fluid Reservoir Seals
	Ignition Stage Grounds		PS Line from Cooler
	Jump Post Ground		PS Line to Pump
	ABS Harness (Cover, Condition, Routing)		Temp-II / NTC-II (Harness and Leak)
	Oil Cooler Hoses (pre-90)		Gauge Sender (Harness and Leak)
	A/C Hoses		Water Bridge Seals
	Accessory Belts		Oil Filler Neck Seal

Engine Bay - Breather Hoses

✓,X,?	Component	✓,X,?	Component
	Cross-Head (GTS)		Tank Vent "Y" Hose
	Right-Side Rear		Vacuum Source, Side Intake
	Right-Side Front (S4/GT)		Vacuum Source, Air Guide
	Air Guide to Filler Neck (GTS)		MAF Guide



Engine Bay - Primary Vacuum

✓,X,?	Component	✓,X,?	Component
	Tank Vent		Air Pump
	5-way to Air guide		Front Dampener
	Regulator		Shift Modulator (Auto)
	Rear Dampener		

Engine Bay - Accessory Vacuum

✓,X,?	Component	✓,X,?	Component
	Check Valve		To HVAC
	To Resonance Flap		To Reservoir (and CC for pre-88)
	Flap Supply		Check Valve Operation
			HVAC Circuit Integrity

Engine Bay - Fuel Lines

✓,X,?	Fuel Line	✓,X,?	Fuel Line
	Front, Between Rails		Rear, "U" Hose
	Front, Supply		Rear, Return (two on '87)

Engine Bay - Gasket Checks

✓,X,?	Component	✓,X,?	Component
	Intake Gaskets, Pressure Gaskets		Cam Cover and Pressure Gaskets
	Intake Coating		Cam Cover Plugs
	Cam Cover Coating		

ECU Codes / Drive Links - With Tester

✓,X,?	EZK	✓,X,?	LH
	NTC Temp-II Sensor at Idle		Idle Switch
	NTC Temp-II Sensor Warm		Wide-Open Throttle Switch
	Knock Count During Test Drive		Idle Stabilizer Valve
	Speed Sensor		Tank Vent Solenoid
			Resonance Flap
			A/C Switch
			Idle Reduction

ECU Codes / Drive Links - Without Tester

✓,X,?	EZK	✓,X,?	LH
Ω	NTC Temp-II Sensor @___°F	Ω	NTC Temp-II Sensor @___°F
Ω	NTC Temp-II Sensor @___°F	Ω	NTC Temp-II Sensor @___°F
	Idle Switch		Idle Switch
	Wide-Open Throttle Switch		Wide-Open Throttle Switch
			Idle Stabilizer Valve
			Flap
			Tank Vent

Timing Belt

✓,X,?	Component	✓,X,?	Component
	Tension Warning System		Spark Plug Wires
	Belt Condition		Distributor Cap
	Idler Roller		Rotor
	Belt Tracking		Air Pump Filter



Timing Belt

✓,X,?	Component	✓,X,?	Component
	Measured Belt Tension		

Flex Plate

	Component		Component
	Flex Plate Measured Flex		Crank End-Play Measurement

Lights

✓,X,?	Left	✓,X,?	Right
	Front Side Marker		Front Side Marker
	Front Turn Signal		Front Turn Signal
	Head Light - Low Beam		Head Light - Low Beam
	Head Light - High Beam		Head Light - High Beam
	Fog Light		Fog Light
	Additional High Beam		Additional High Beam
	Door-End Light		Door-End Light
	Rear Side Marker		Rear Side Marker
	Rear Turn Signal		Rear Turn Signal
	Reverse Light		Reverse Light
	Tail Light		Tail Light
	Brake Light		Brake Light
	Center Brake Light		



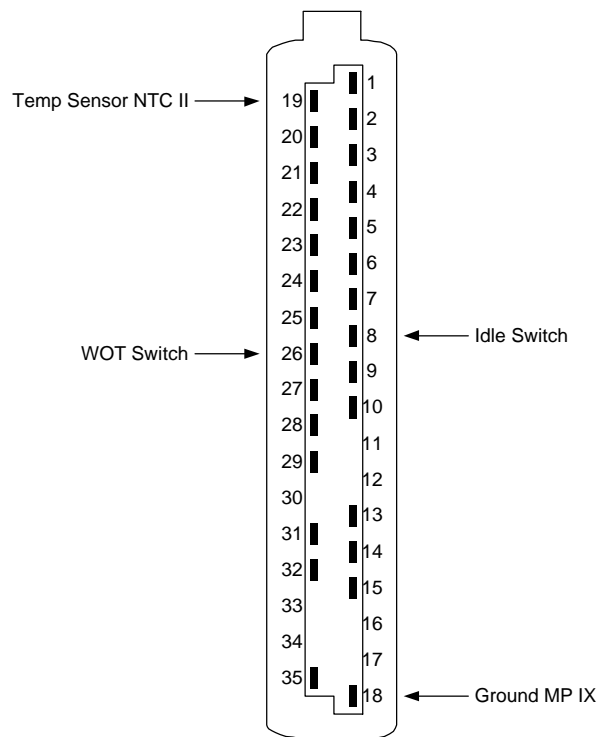


Figure 51: EZK Connector

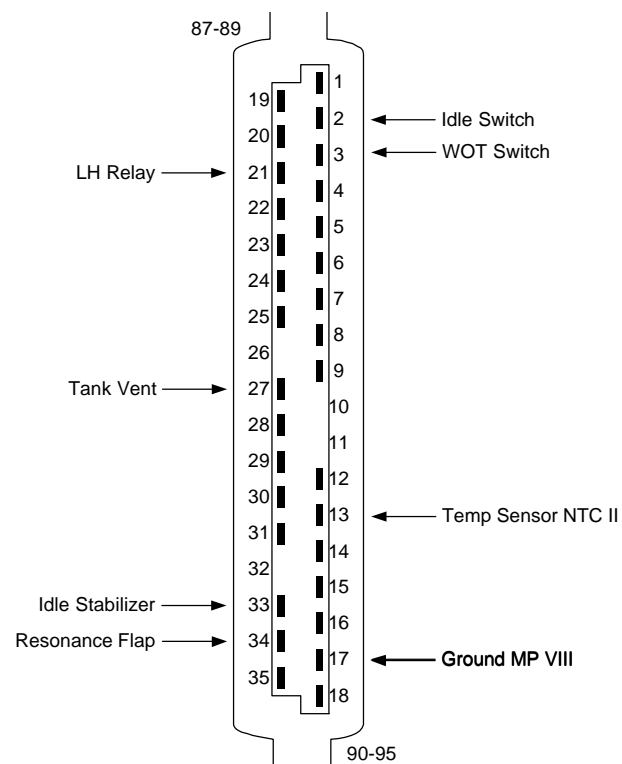


Figure 53: LH Connector (Temp-II, Idle/WOT Switch)

Engine Temperature	NTC-II Resistance
0°C / 32°F	4.4 - 6.8 kΩ
15 - 30°C / 59 - 86°F	1.4 - 3.6 kΩ
40°C / 104°F	1.0 - 1.3 Ω
80°C / 176°F	250 - 290 Ω
100°C / 212°F	100 - 210 Ω

Figure 52: Temp-II / NTC-II Temperature vs. Resistance

