

# **Component Procedures: Air Temperature Sensor ( Ambient / Intake )**

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# Component Procedures: Air Temperature Sensor ( Ambient / Intake )

## Parts and Labor (itype\_189)

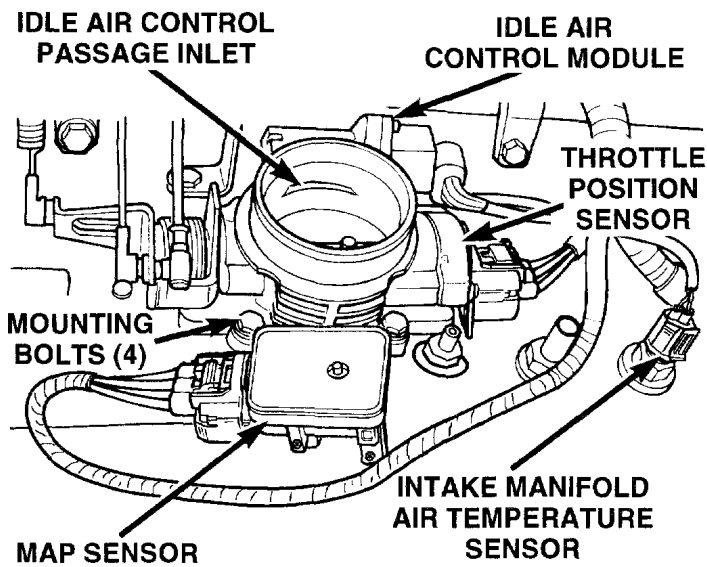
### Parts

Qualifier	Part #	Name	Price	Note
Air Intake Temp Sensor > Fro?	56027872	Fuel Injection Compone?	56.05	

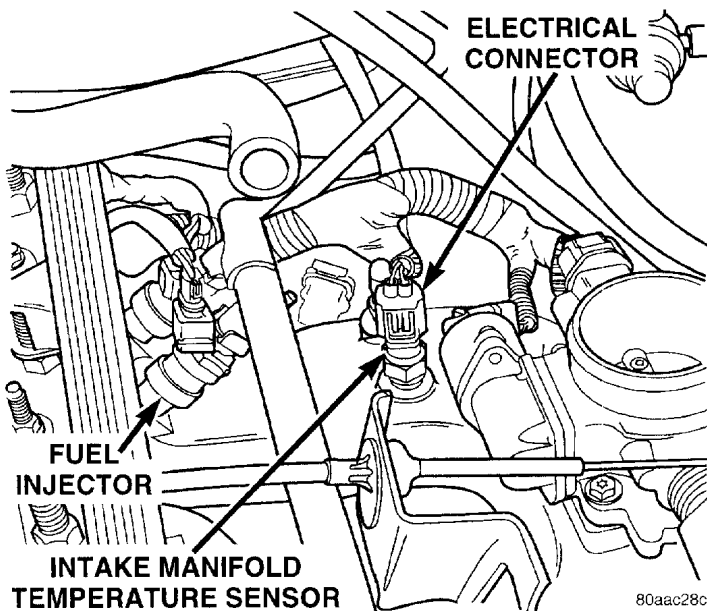
### Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Replace	Air Intake Temp Sensor	B	0.3	0.2
Replace	Ambient Temp Sensor	B	0.4	0.2

## Components (itype\_392)

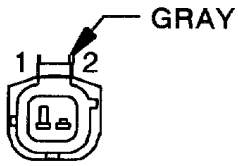


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## Connector Views (itype\_47)

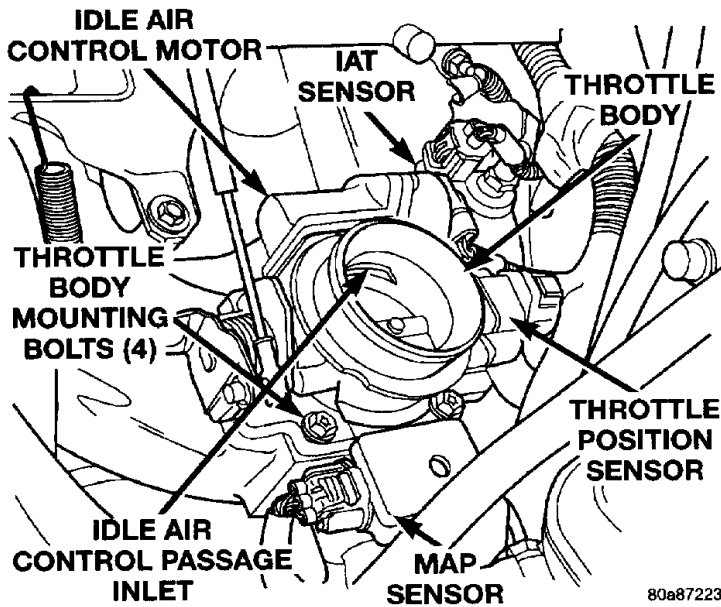
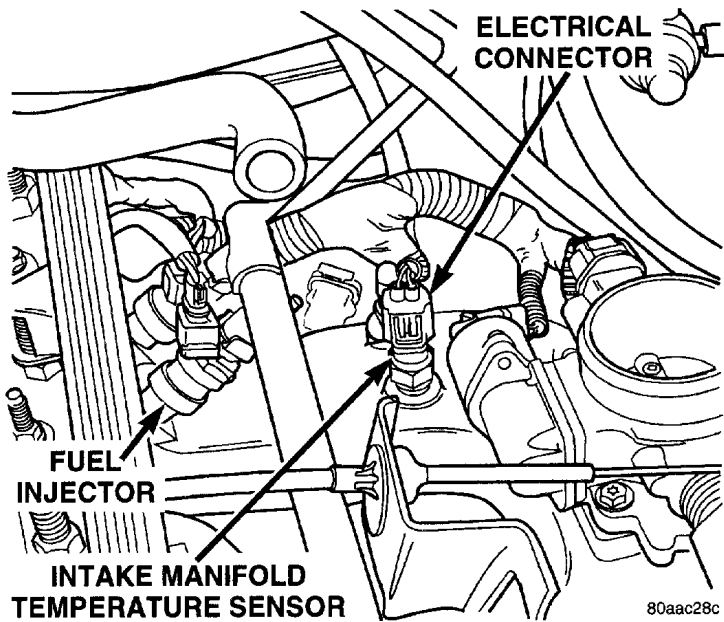


**INTAKE AIR  
TEMPERATURE  
SENSOR**

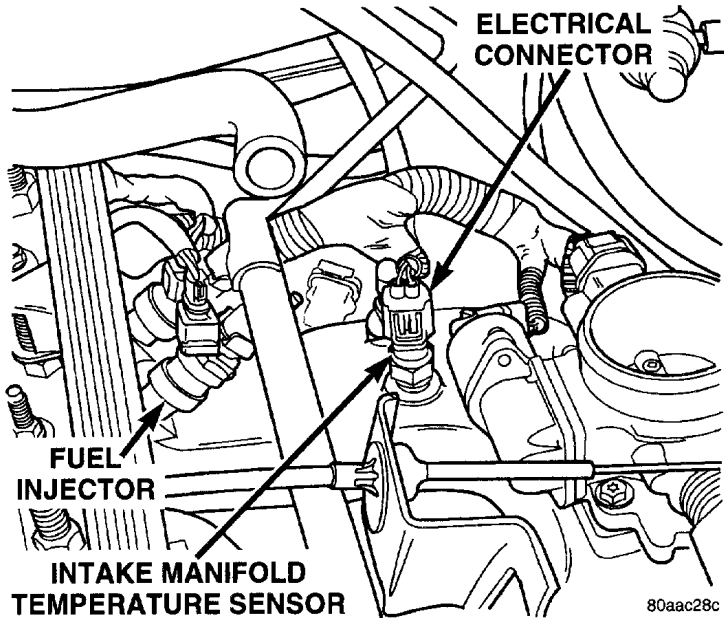
**INTAKE AIR TEMPERATURE SENSOR - GRAY 2 WAY**

CAV	CIRCUIT	FUNCTION
1	K21 18BK/RD	INTAKE AIR TEMPERATURE SENSOR SIGNAL
2	K167 20BR/YL	SENSOR GROUND

## Components (itype\_32)



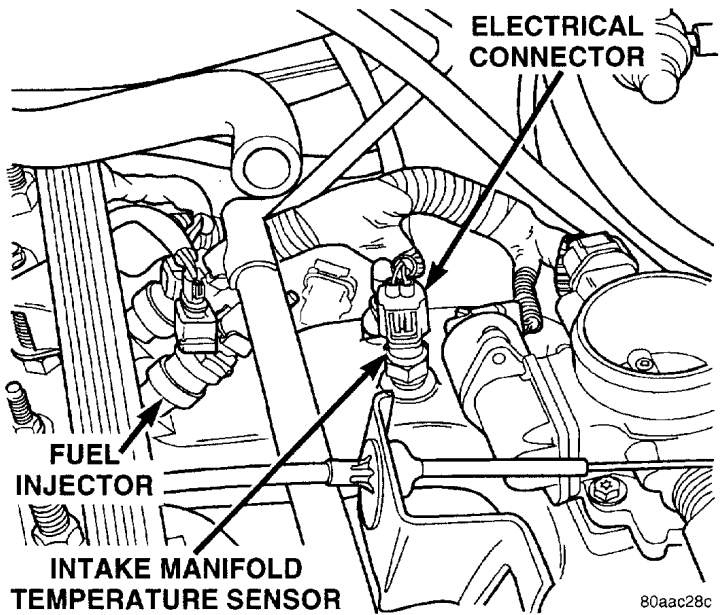
## Procedures (itype\_376)



**Mechanical (including Torque) (itype\_28)**

Intake Manifold Air Temperature ( IAT ) Sensor 28 Nm

**Component Tests and General Diagnostics (itype\_383)**



TEMPERATURE		RESISTANCE (OHMS)	
°CEL.	°FAHR.	MIN.	MAX.
-40	-40	291,490	381,710
-20	-4	85,850	108,390
-10	14	49,250	61,430
0	32	29,330	35,990
10	50	17,990	21,810
20	68	11,370	13,610
25	77	9,120	10,880
30	86	7,370	8,750
40	104	4,900	5,750
50	122	3,330	3,880
60	140	2,310	2,670
70	158	1,630	1,870
80	176	1,170	1,340
90	194	860	970
100	212	640	720
110	230	480	540
120	248	370	410