

# TS 4-15 12171 IDLE SPEED/ISC DUTY ADJUSTMENT - SERVICE REVISION

## Article Text

1992 Suzuki Swift

For Xeon

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### ARTICLE BEGINNING

TECHNICAL SERVICE BULLETIN

### UPDATED ADJUSTMENT PROCEDURE AND SPECIFICATION FOR IDLE SPEED AND IDLE SPEED CONTROL (ISC) DUTY

Model(s): 1992 And Later Suzuki Swift SOHC  
Bulletin No.: TS 4-15 12171  
Division: Automotive  
Category: Technical  
Section Title: Engine

### SERVICE INFORMATION

The specifications and adjustment procedure on pages 6E1-70 and 6E1-71 of the 1992 Supplementary Service Manual (99501-64B10-33E) for the idle speed and idle speed control (ISC) duty have been updated. The updated specifications and procedure are listed below. Be sure to update your manual accordingly.

#### IDLE SPEED/ISC DUTY ADJUSTMENT (INCLUDING AIR CONDITIONER VSV ADJUSTMENT)

For the inspection and adjustment procedure from the preparatory stage to Step 6, use the corresponding description in the above Supplementary Service Manual.

7. This step is for checking and/or adjusting engine idle speed and ISC duty when air conditioner is working.

With cars without air conditioner, advance to step 8. With air conditioner equipped one, follow procedure described below.

- 1) Turn air conditioner switch ON and set heater blower switch to high (max.) speed position. Then check that air conditioner is working
- 2) Check to ensure that idle speed and ISC duty conform to specifications respectively.

NOTE: Specified values used for this inspection and adjustment vary depending on types of ECM as listed in following tables. Type of ECM can be identified the last number of ECM part number. See Fig. 1.

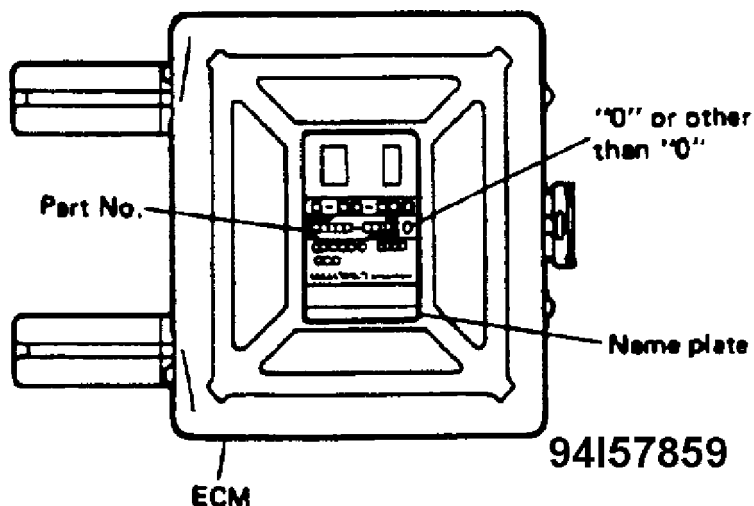


Fig. 1: ECM Identification

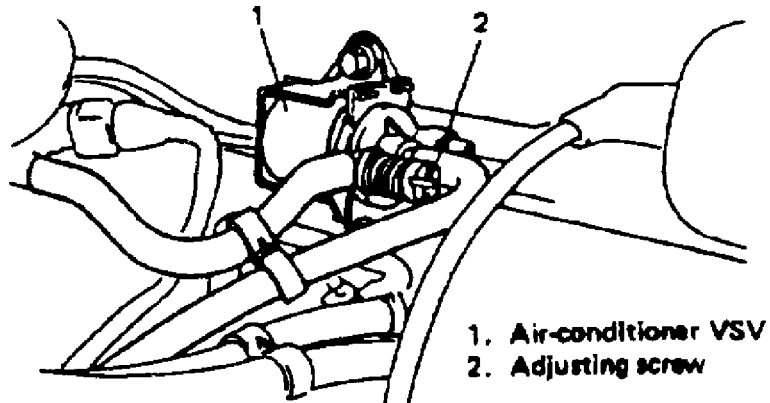
#### SPECIFIED VALUES WHEN ECM PART NO. ENDS WITH "0"

	Idle Speed With A/C On And Diag. Switch Terminal Grounded	ISC Duty
M/T Model	750 +/- 50 r/min.	10 - 20% (ON duty meter indication) or 1.4 - 2.8 V when battery voltage is 14V.
A/T Model	850 +/- 50 r/min.	

#### SPECIFIED VALUES WHEN ECM PART NO. ENDS WITH A NUMBER OTHER THAN "0"

	Idle Speed With A/C On And Diag. Switch Terminal Grounded	ISC Duty
All Model	900 +/- 50 r/min.	20 +/- 5% (ON duty meter indication) or 2.8 +/- 0.7 V when battery voltage is 14V.

- 3) If idle speed and/or ISC duty is not within specified range, adjust it by turning adjusting screw of air conditioner VSV. See Fig. 2.



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Fig. 2: Adjusting Screw Of Air Conditioner VSV

8. Upon completion of adjustment, disconnect service wire from monitor coupler and install cap to monitor coupler.
9. Check that specified idle speed is obtained with A/C ON and "Diag. switch terminal" ungrounded.

IDLE SPEED WITH A/C ON AND DIAG. SWITCH TERMINAL UNGROUNDED

All Models	900 +/- 50 r/min.
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**CAUTION:** The late type ECM which will be used for the vehicles produced starting in November 1991 can be used as a replacement for the early type ECM which are used for the vehicles currently produced. The spare supply will be only the late type ECM.

**END OF ARTICLE**