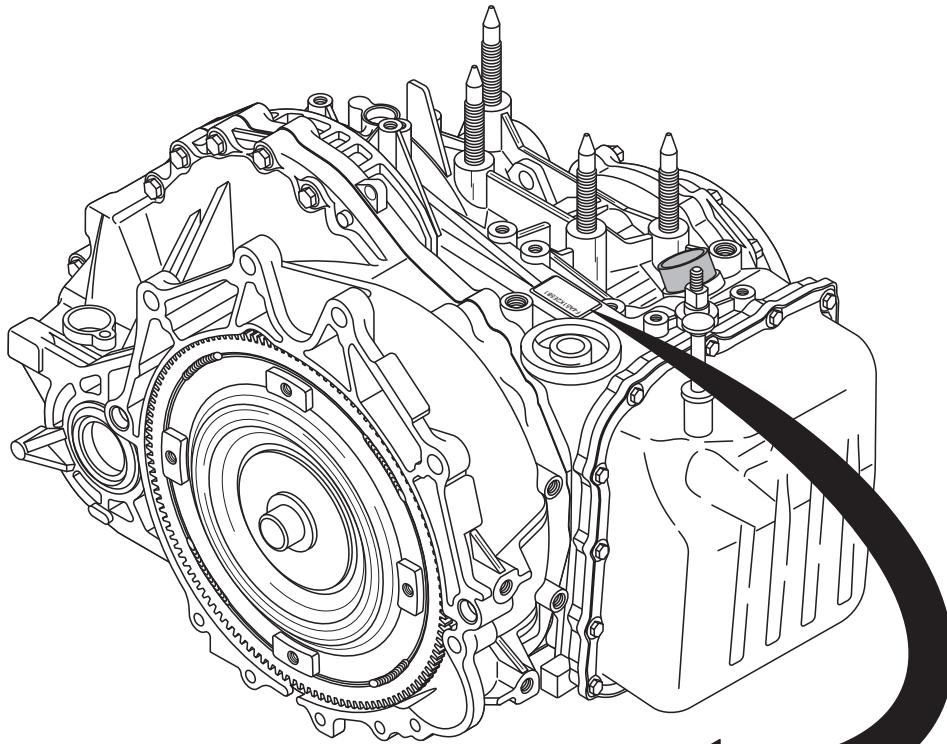




MITSUBISHI F4A40/50 SERIES ERRATIC SHIFTS AND OR GEAR RATIO ERROR CODES

- COMPLAINT:** Mitsubishi vehicles equipped with the F4A40/50 series transaxle, may exhibit erratic shifts or Diagnostic Trouble Codes related to gear ratio errors, such as P0732, 2nd gear ratio error P0733 3rd gear ratio error, P0734 4th gear ratio error, after transaxle replacement.
- CAUSE:** The cause may be, a wrong transaxle, or gear train parts, were installed into the vehicle that contained incorrect ratios that are incompatible with the vehicles computer.
- CORRECTION:** Refer to Figure 1 to see the location and legend of the of the Identification stamp that is located on the top of the transaxle case, to verify the correct ratios. Refer to Figure 2 for an application chart matching Identification number to vehicle model and year, to ensure the correct ratios are installed into the vehicle.

GEAR RATIO IDENTIFICATION



F 4 A 51 K 2 E 5 B 1

DESIGN LEVEL

1 = 1st Design
2 = 2nd Design

FINAL DRIVE RATIO *

F4A41/42

A = N/A
B = N/A
C = N/A
D = N/A
E = 3.770
F = 3.769
J = 4.041
L = 4.212
M = 4.042
N = 4.406
R = 4.625
T = N/A
U = 4.407
W = 4.626

F4A51

A = 3.269
B = 3.274
C = 3.491
D = 3.497
E = N/A
F = N/A
J = N/A
L = 4.011
M = 4.018
N = N/A
R = 4.520
T = 4.316
U = 4.324
W = N/A

MANUFACTURING USE ONLY

When the "K" is stamped into the code, this digit will be dropped off.

SPRAG I.D.

A = No Sprag
B = Has Low Sprag

SPEEDO GEAR RATIO **

4 & M = 27/36 5 & N = 28/36
6 & P = 29/36 7 & Q = 30/36
8 & R = 31/36 9 & S = 32/36

Note: Drive gear is 36 tooth.

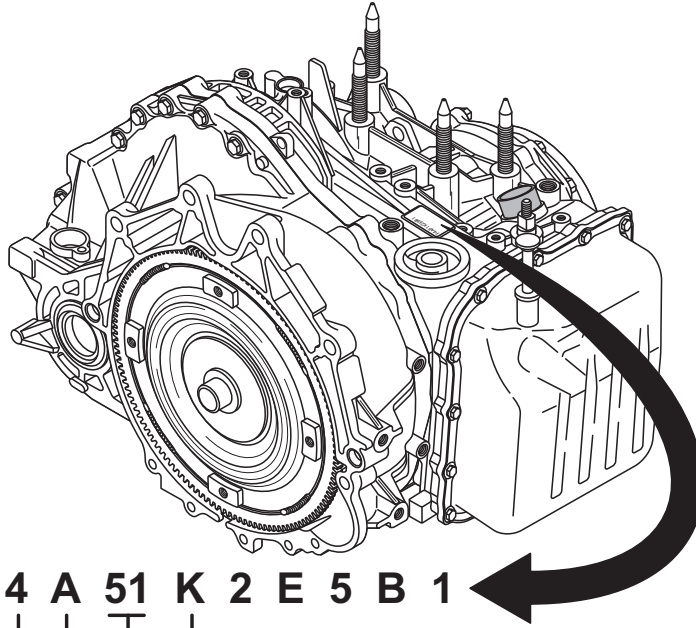
* The final drive ratios include the primary transfer gear reduction ratio of 1.196 for the F4A41-42, and 1.119 for the F4A51.

** The letter "Z" in the speedo gear position tells us that it is an electronic calculation done by the computer.

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Figure 1

IDENTIFICATION CODE STAMPING LOCATION



F 4 A 51 K 2 E 5 B 1

Drive Axle

F = Front Wheel Drive
R = Rear Wheel Drive

Forward Speeds

4 = Four Speeds
5 = Five Speeds

Transmission Type

A = Automatic
M = Manual

Trans Capacity

41 = Light Duty
42 = Standard Duty
51 = Heavy Duty

Manufacturing Plant

K = Kyoto Works

NOTE: The "K" is not always stamped into all transmission codes.

VEHICLE AND TRANSMISSION APPLICATION CHART

YEAR	MODEL	ENGINE	TRANSMISSION	SPRAG
1997	Diamante	3.5L SOHC	F4A51-2-D5A	No
1998-01	Diamante	3.5L SOHC	F4A51-2-D5B	Yes
2000-01	Eclipse	2.4L SOHC	F4A42-2-M6B	Yes
2000	Eclipse	3.0L SOHC	F4A51-2-E6B	Yes
2001	Eclipse	3.0L SOHC	F4A51-2-E5B	Yes
1999-01	Galant	2.4L SOHC	F4A42-2-M6B	Yes
1999	Galant	3.0L SOHC	F4A51-2-D6B	Yes
2000	Galant	3.0L SOHC	F4A51-2-E6B	Yes
1997-99	Mirage	1.5L SOHC	F4A41-1-M8A	No
1997-98	Mirage	1.8L SOHC	F4A42-1-M8A	No
2000	Mirage	1.5L SOHC	F4A41-2-M8B	Yes
1999-01	Mirage	1.8L SOHC	F4A42-2-M8B	Yes

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Figure 2