

# Flyin' Miata

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331 South 13<sup>th</sup> Street  
 Grand Junction, CO 81501  
**E-mail: tech@flyinmiata.com**

970-242-3800  
 (TECH & PRODUCT INQUIRIES)

**800-FLY-MX5S** (1-800-359-6957)  
 (ORDERS ONLY)

## Installation Instructions for the Link Air/Fuel Ratio Meter

The instructions included in the Link air/fuel ratio meter are clear to anyone with a PHD in automotive engineering. For the rest of us, these instructions simplify installation in a Miata. All of the wire connections can be made right at the ECU, that way no wires have to be fed through the firewall. Mazda fitted the Miata with 4 different ECU wire configurations for different year cars. Refer to the section that applies to your Miata.

The Link air/fuel ratio meter has 4 wires to connect:

- Red – Switched 12 volts
- White – Oxygen sensor signal
- Black – Chassis ground
- Green – Oxygen sensor signal ground

For 1990 through 1993 cars connect the four wires to the following wires at the ECU.

Link wire color	Terminal	Factory wire color
Red	1B	White/Red
White	2N	Red/Blue
Green	2C	Black/Green
Black	2A	Black

1U	1S	1Q	1O	1M	1K	1I	1G	1E	1C	1A
R/B	L/O	LG/B	G	*	LG/Y	*	BR/Y	Y/B	V	L/R
BR/W (B/L)	*	B/G	(L/Y)	R	*	L/B	BR	W/Y	W/G	W/R
1V	1T	1R	1P	1N	1L	1J	1H	1F	1D	1B

2Y	2W	2U	2S	2Q	2O	2M	2K	2I	2G	2E	2C	2A
*	L/O	Y	*	L/W	R	(R/B)	LG/R	B/W	Y/L	W	B/LG	B
(LG)	Y/R	Y/B	*	*	R/G	R/L	LG/W (B)	*	R/W (B)	*	B/LG	B
2Z	2X	2V	2T	2R	2P	2N	2L	2J	2H	2F	2D	2B

For 1994 through 1995 cars connect the four wires to the following wires at the ECU.

Link wire color	Terminal	Factory wire color
Red	1B	White/Red
White	2N	Red/Blue
Green	2C	Black/Light Green
Black	2A	Black

1U	1S	1Q	1O	1M	1K	1I	1G	1E	1C	1A
R/B	L/O	LG/B	G/B	G/R	B/LG	L/W	BR/Y	Y/B	V	L/R
BR/W	Y/R	Y	L/Y	R	B/G	L/B	BR	*	W/G	W/R
1V	1T	1R	1P	1N	1L	1J	1H	1F	1D	1B

2Y	2W	2U	2S	2Q	2O	2M	2K	2I	2G	2E	2C	2A
G/W	L/O	Y	L/W	L/W	R/W	R/B	LG/W	B/W	Y/L	W	B/LG	B
G	Y/R	Y/B	LG	Y/G	R/B	R/L	L/R	LG/R	LG/Y	B/R	B/L	B
2Z	2X	2V	2T	2R	2P	2N	2L	2J	2H	2F	2D	2B

For 1996 through 1997 cars connect the four wires to the following wires at the ECU.

Link wire color	Terminal	Factory wire color
Red	4B	White/Red
White	3C	Red/Green
Green	4A	Black/Light Green
Black	4D	Black

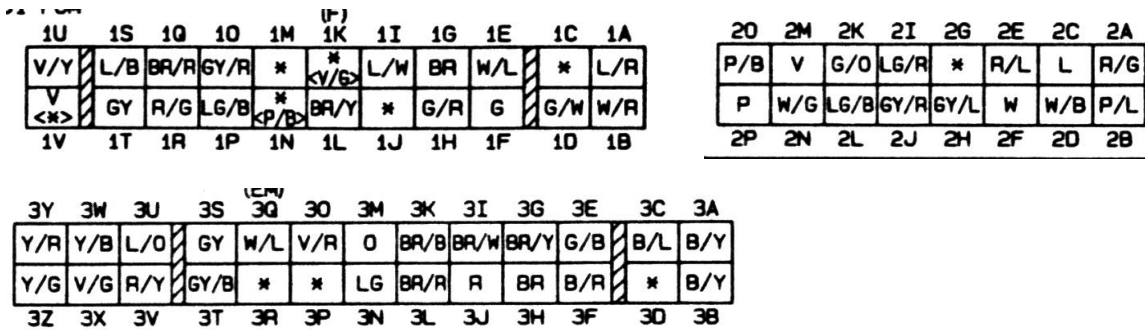
1U	1S	1Q	1O	1M	1K	1I	1G	1E	1C	1A
LG	*	G/B	B/LG	G/R	LG/B	LG/Y	L/B	Y/B	V	B/G
*	G/L	G	L/O	*	BR/W	R/W	R/B	*	W/B	L/W
1V	1T	1R	1P	1N	1L	1J	1H	1F	1D	1B

3O	3M	3K	3I	3G	3E	3C	3A
B/L	R/W	R/B	LG/W	L/W	*	R/G	*
L/Y	B/Y	R	LG/R	BR/B	R/B	R/L	R/W
3P	3N	3L	3J	3H	3F	3D	3B

4Y	4W	4U	4S	4Q	4O	4M	4K	4I	4G	4E	4C	4A
L/W	G/W	Y	*	L/O	Y	*	*	L/R	Y/L	Y/B	B	B/LG
*	G	Y/B	Y/R	BR	Y/W	BR/Y	B/W	Y/G	Y/W	W	B	W/R
4Z	4X	4V	4T	4R	4P	4N	4L	4J	4H	4F	4D	4B

1999 through 2000 cars connect the four wires to the following wires at the ECU.

Link wire color	Terminal	Factory wire color
Red	1B	White/Red
White	2C	Blue
Green	3C	Black/Blue
Black	3F	Black/Red



2001 through 2002 cars connect the four wires to the following wires at the ECU.

Link wire color	Terminal	Factory wire color
Red	4AF	White/Red
White	4W	Blue
Green	4A	Black/Blue
Black	3B	Black/Red

