TOYOTA

Technical Service BULLETIN

December 17, 1999

Title:

WHEEL BALANCE ADJUSTMENT PROCEDURE

Models:

'00 MR2 Spyder

TSB

Introduction

MR2 Spyder alloy wheels have a decorative outer wheel flange which does not accept standard Toyota clip–on type wheel weights. To properly adjust wheel balance, stick–on type wheel weights must be used. Some wheel balancers do not have a "hidden weight" function which is used to measure the tire/wheel assembly imbalance in the location of the stick–on type wheel weights. The procedure included in this bulletin can be used to balance MR2 Spyder tire/wheel assemblies on wheel balancers that do not have a "hidden weight" function.

Applicable Vehicles

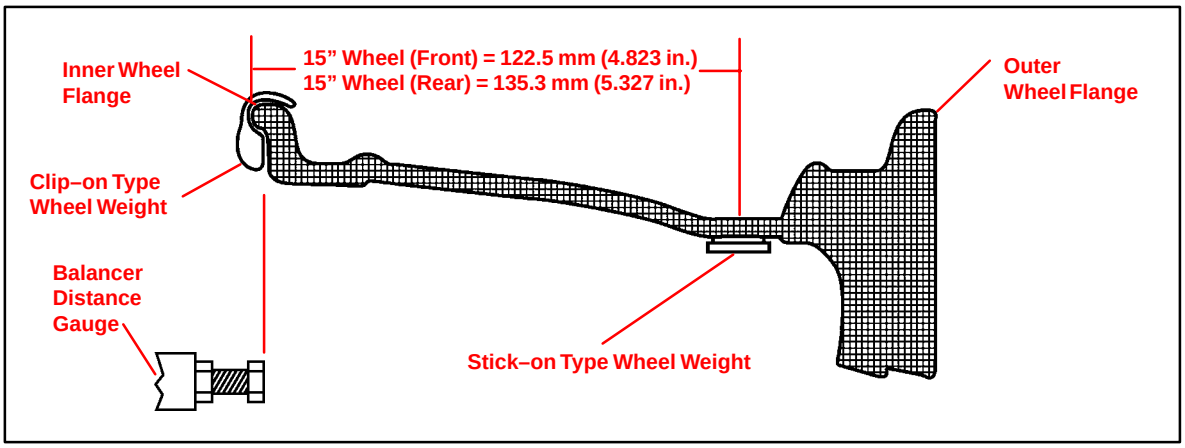
- **2000** model year **MR2 Spyder**

Warranty Information

OP CODE	DESCRIPTION	TIME	OPN	T1	T2
N/A	Not Applicable to Warranty	–	–	–	–

Repair Procedure

1. Mount tire/wheel assembly on wheel balancer with the outside or decorative wheel flange opposite the wheel balancer arbor.



2. Input the revised wheel dimensions as follows:

ACTUAL WHEEL SIZE	REVISED WHEEL SIZE
15” x 6” JJ (Front)	15” x 4” (Front)
15” x 6.5” JJ (Rear)	16” x 4.5” (Rear)

3. Select “Wheel Flange” as the wheel weight location (clip–on type wheel weight).
4. Set the Wheel Distance (distance from inner wheel flange to a reference point on the wheel balancer) as normal.
5. Measure the tire/wheel assembly imbalance.
6. Choose the Conversion Weight for the stick–on type wheel weight using the Conversion Table on page 3. The Conversion Weight is listed next to the Imbalance Weight.

HINT:
The stick–on weight conversion is only required for the outside wheel weight location.

7. Apply the stick–on type wheel weight in the position indicated by the wheel balancer.

HINT:
Make sure the wheel is clean and dry prior to applying the stick–on type wheel weight.

8. Tap on the appropriate clip–on type wheel weight on the inner wheel flange in the location indicated by the wheel balancer.
9. Re–measure the tire/wheel assembly imbalance to ensure tire/wheel assembly is balanced.

Conversion Table

IMBALANCE WEIGHT (GRAMS)	CONVERSION WEIGHT (GRAMS)	IMBALANCE WEIGHT (GRAMS)	CONVERSION WEIGHT (GRAMS)	IMBALANCE WEIGHT (GRAMS)	CONVERSION WEIGHT (GRAMS)
1	0	31	35	61	70
2	0	32	35	62	70
3	5	33	40	63	75
4	5	34	40	64	75
5	5	35	40	65	75
6	5	36	40	66	75
7	10	37	45	67	80
8	10	38	45	68	80
9	10	39	45	69	80
10	10	40	45	70	80
11	15	41	50	71	80
12	15	42	50	72	80
13	15	43	50	73	80
14	15	44	50	74	90
15	20	45	55	75	90
16	20	46	55	76	90
17	20	47	55	77	90
18	20	48	55	78	90
19	20	49	55	79	90
20	25	50	60	80	90
21	25	51	60	81	90
22	25	52	60	82	100
23	25	53	60	83	100
24	30	54	65	84	100
25	30	55	65	85	100
26	30	56	65	86	100
27	30	57	65	87	100
28	30	58	70	88	100
29	35	59	70	89	100
30	35	60	70	90	100