



## LONG RANGE FUEL TANKS

### MBS07R2

Brown Davis Automotive Pty. Ltd.  
ABN: 72 657 573 544

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#### MERCEDES-BENZ SPRINTER 2007-PRESENT - LWB- DIESEL- 2WD – 210lt REPLACEMENT TANK

#### LONG RANGE FUEL TANK PARTS LIST AND FITTING INSTRUCTIONS

#### PART NUMBER: MBS07R2

Item #	Description	Quantity	Part No.	P	C
1	TANK—REPLACEMENT	1	MBS07R2	-	-
2	DRAIN PLUG—MAGNETIC—M14 (FITTED TO THE TANK)	1	DP-M14	-	-
3	HOSE – TMP - 6mm	800mm			
4	HOSE – TMP - 16mm	700mm			
5	HOSE – FILLER - 44mm	175mm			
6	HOSE – FILLER – 57mm	100mm			
7	HOSE CLAMP – STAINLESS - 16-25mm	2			
8	HOSE CLAMP – STAINLESS – 40-60mm	2			
9	HOSE CLAMP – STAINLESS – 50-70mm	2			
10	BRASS – ELBOW - 5/8" x 1/4" BSP	1			
11	BRASS – ELBOW - 5/8" x 3/8" BSP	1			
12	FILLER REDUCER 44-57mm	1			
13	SET SCREW – PAN HEAD – M5 x 12mm – PLATED 8.8	6			
14	WASHER – SPRING - M5	6			
15	SET SCREW – HEX – M10 x 30mm – ON WIRE – PLATED 8.8	5			
16	NUT – STANDARD PLATED – M10	10			
17	WASHER – PANEL PLATED – M10	5			
18	WASHER – SHAKEPROOF INTERNAL PLATED – M10	5			
19	DISCRIMINATOR VALVE	1			
20	DISCRIMINATOR VALVE SEAL	1			
21	RETAINING RING	1	RR-MBS07R1		
22	WARRANTY INFORMATION SHEET	1			
23	BROWN DAVIS AUTOMOTIVE STICKER	1			

	STAFF MEMBERS INITIALS	DATE
KIT PACKED BY		
KIT CHECKED BY		

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**MBS07R2 – 210lt REPLACEMENT TANK  
LONG RANGE FUEL TANK PARTS LIST AND FITTING INSTRUCTIONS  
PART NUMBER: MBS07R2**

**WARNING:**

**THIS FUEL TANK IS HEAVY. DO NOT ATTEMPT TO LIFT THIS FUEL TANK  
WITHOUT APPROPRIATE ASSISTANCE OR SERIOUS INJURY MAY RESULT**



**WARNING:**

**ENSURE A FIRE EXTINGUISHER IS AVAILABLE WHILST WORKING NEAR  
EXPOSED FUEL**



**-CHECK CONTENTS OF KIT BEFORE COMMENCING FITMENT**

**-DRAIN VEHICLE FUEL TANK TO LOWEST LEVEL POSSIBLE BEFORE COMMENCING FITMENT**

**-BEFORE INSTALLATION THE BROWN DAVIS LONG RANGE TANK SHOULD BE WASHED OUT WITH THE SAME  
FUEL TYPE AS THE VEHICLE IT'S BEING FITTED TO**

**Any questions or information required in relation to the below instructions please do not hesitate to contact  
Brown Davis head office or one of our distributors.**

**Phone: +61 (3) 9762 8722  
Email: [info@browndavis.com.au](mailto:info@browndavis.com.au)**

REMOVAL STANDARD OF STANDARD TANK	
1. Place Mercedes 518 on hoist. To remove the standard plastic fuel tank open the filler door and remove the black plastic cover over the filler.	
2. Remove the bolt holding the filler neck to the body.	
3. Remove the gauge wiring from the sender unit.	
4. Remove fuel lines from the sender unit.  * <b>Note: Do not cut fuel lines or wiring harness. They will be reconnected to the new tank.</b>	
5. Support the fuel tank and then undo support straps from the body.	
6. Remove the tank from the vehicle.	
7. Remove the front stone guard.	

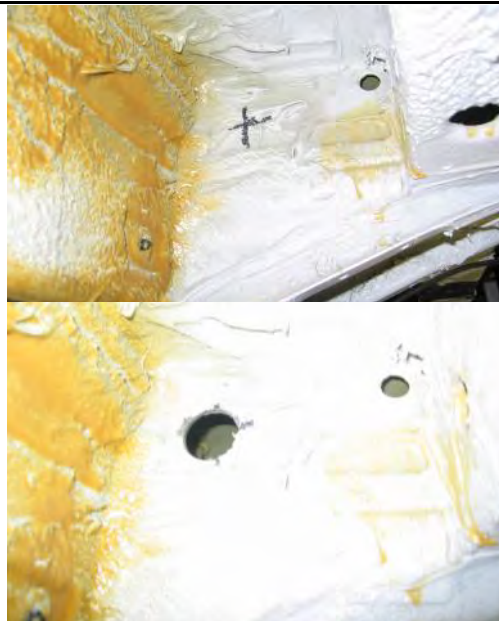
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#### SETUP FOR REPLACEMENT TANK

8. Holesaw a 1" hole in the body for fast fill breather to fit through.



9. Cut the filler neck from the standard tank.



10. Drill 12mm hole in the top of the filler and fit the 5/8" x 1/4" fast fill breather and seal with araldite.



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11. Replace the filler back in the van with fast fill hose running through the 1" hole.

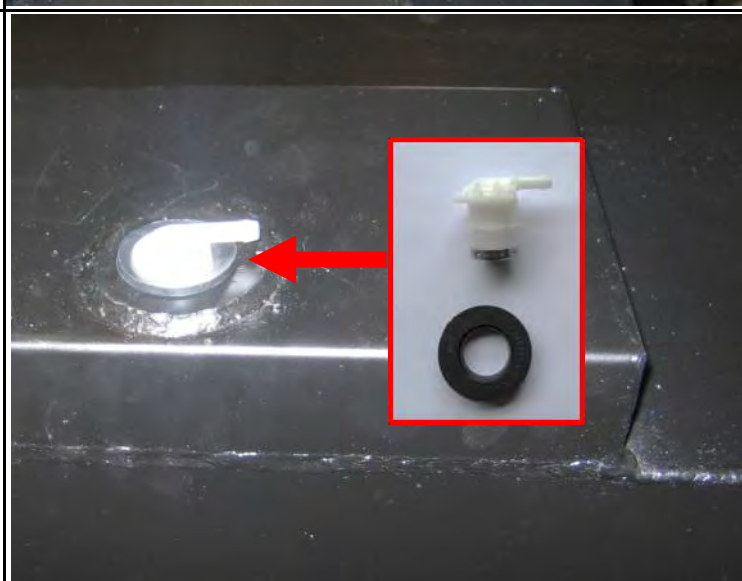
12. Remove locating lug from ceiling surface of sender unit.



13. Fit sender unit to the tank.



14. Fit discriminator valve.





15. Fit brass fast fill elbow to tank.



16. Lift tank into position lining the brackets up with the 3 original strap mount captive threads.

- 2 beside the tail shaft
- 1 near the filler)



17. Drill remaining holes in brackets and fit M10 set screws, nuts and washers.



18. Connect plastic filler to tank with rubber hose supplied.





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19.	Reconnect fuel lines and gauge senders.	
20.	Double check all fuel line clamps and security of fuel lines. Fill tank and check for leaks. Road test and check for rattlers & squeaks. Re-check for fuel leaks.	