

MERCEDES-BENZ SPRINTER 2007-PRESENT - CAB CHASSIS - LWB - DIESEL- 2WD

160lt REPLACEMENT TANK

LONG RANGE FUEL TANK PARTS LIST AND FITTING INSTRUCTIONS

PART NUMBER: MBS07R3

Item #	Description	Quantity	Part No.	P	C
1	TANK—REPLACEMENT	1	MBS07R3	-	-
2	DRAIN PLUG—MAGNETIC—M14 (FITTED TO THE TANK)	1	DP-M14	-	-
3	HOSE – TMP - 6mm	1.2m			
4	HOSE – TMP - 16mm	1.6m			
5	HOSE – TMP - 16mm	1.8m			
6	HOSE – FILLER – 51mm	100mm			
7	HOSE CLAMP – STAINLESS – 6-12mm	1			
8	HOSE CLAMP – STAINLESS - 12-22mm	8			
9	HOSE CLAMP – STAINLESS – 40-60mm	2			
10	HOSE CLAMP – STAINLESS – 50-70mm	2			
11	FUEL PICK UP – ¼" x ¼" BSP TAIL BARB	1			
12	BRASS – ELBOW - 5/8" x 1/4" BSP	2			
13	BRASS – ELBOW - 5/8" x 3/8" BSP	2			
14	BRASS – PLUG – ¼"	1			
15	T-PIECE – NYLON BARBED – 5/8"	1			
16	FILLER REDUCER 41-51mm	1			
17	SET SCREW – PAN HEAD – M5 x 12mm – PLATED 8.8	6			
18	WASHER – SPRING - M5	6			
19	SET SCREW – HEX – M10 x 30mm – ON WIRE – PLATED 8.8	1			
20	NUT – STANDARD PLATED – M10	2			
21	WASHER – PANEL PLATED – M10	1			
22	WASHER – SHAKEPROOF INTERNAL PLATED – M10	1			
23	DISCRIMINATOR VALVE	1			
24	DISCRIMINATOR VALVE SEAL	1			
25	STAINLESS TUBE with ¼ BSP TAP – 5/8" OD x 100mm long	1			
26	RETAINING RING	1	RR-MBS07R1		
27	WARRANTY INFORMATION SHEET	1			
28	BROWN DAVIS AUTOMOTIVE STICKER	1			

	STAFF MEMBERS INITIALS	DATE
KIT PACKED BY		
KIT CHECKED BY		

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

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**MBS07R3 – 160lt REPLACEMENT TANK
LONG RANGE FUEL TANK PARTS LIST AND FITTING INSTRUCTIONS
PART NUMBER: MBS07R3**

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**

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REMOVAL STANDARD OF STANDARD TANK	
1. Unclip the fuel hose and unclip the wiring plug.	
2. Open the filler flap . <ul style="list-style-type: none">Remove the cover plate.Undo bolt holding filler in place.Remove the foam padding under the vehicle that is supporting the filler.	
3. Ensure you support the tank.	
4. Remove the straps and drop the tank out.	
5. Ensure you retain standard bolts for fitment of new tank.	

REMOVAL STANDARD OF STANDARD TANK

6. Cut filler from standard tank ****AT THE WHITE LINE SHOWN IN PHOTO****



7. Drill and thread the standard filler.
- Fit the **BRASS – ELBOW - 5/8" x 1/4" BSP** fitting to the top of filler using araldite or the likes.



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SETUP OF REPLACEMENT TANK

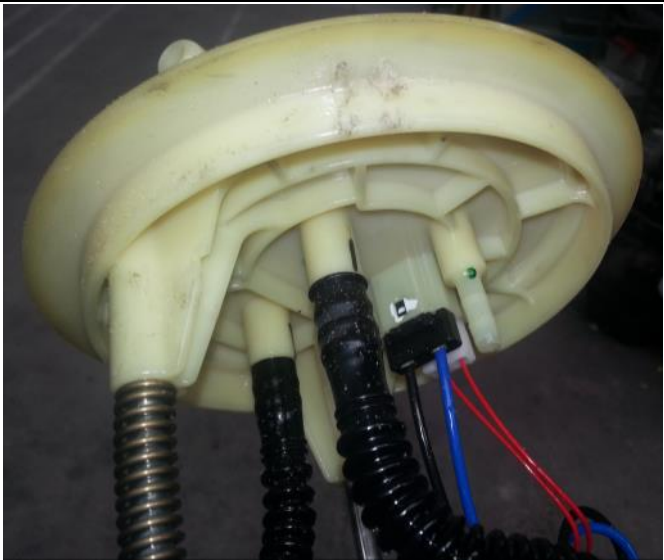
8. Fit HOSE – TMP - 16mm to the brass fitting.
- Refit the filler to the motor home.



9. Remove the sender unit from the standard tank.
- * Take note of the direction the pipes are facing.



10. Remove the locating lug from under the sender unit sealing flange.



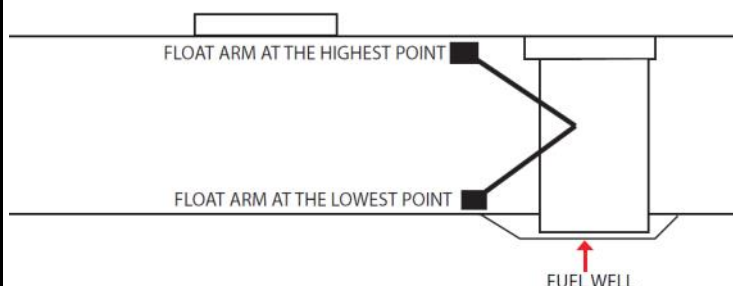
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SETUP OF REPLACEMENT TANK

11. Adjust the float arm so that when the sender unit is in position the arm, at the lowest point, stays above the Fuel Well on the tank.

* REFER DIAGRAM



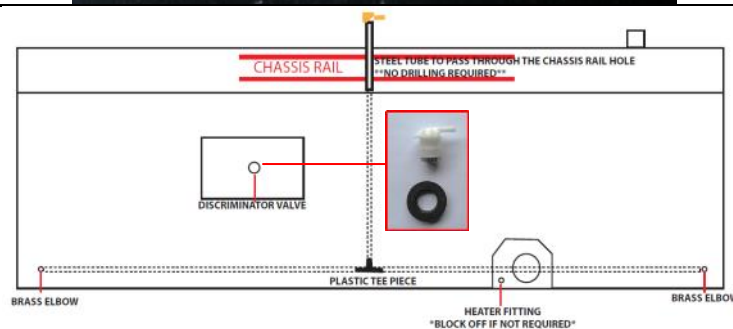
12. Fit the sender unit to the tank using the retaining ring and screws supplied.

* Ensure you are pointing the pipes in the same way they were removed from standard tank.






13. Fit the brass fitting and the discriminator valve to tank.

* REFER DIAGRAM



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14. Hole saw a hole or grind existing hole bigger, into filler cavity to run fast fill hose through.	
15. Fit the brass fitting to the threaded pipe.	
16. Fit the steel tube to the chassis rail through the standard factory hole. ⇒ ***DO NOT DRILL HOLE IN CHASSIS***	
17. With the brass fitting on the outside of chassis, pointing toward the filler and hole drilled in filler cavity, fit the hoses to both sides of the pipes.	

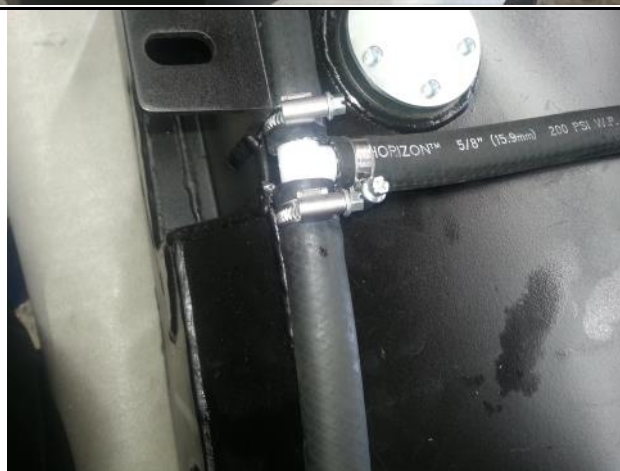
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18. Before lifting the tank into position, fit fast fill hoses and tee pieces to the tank.



19. Lift the tank and fit the chassis fast fill hose to the tee pieces.



20. Plug in the wiring plug and fit the pick up and return to the hose on the sender unit.

21. Using the retained standard bolts, bolt the tank into position using standard threads and 1 tail shaft mounting point.



22. Drill a hole at the rear left of the tank and fit bolt using M10 bolt on wire with nuts and washer supplied.

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23. Join filler to tank using rubber hose and clamps supplied.



24. 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.



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