

# Exhaust Manifold

Job No.

14-8

## A. Table of installed Exhaust Manifolds

Part No.	installed in the engines with the type designation	Location and direction of exhaust gas exit	see Fig. 14-8/1 dimensions	
			a*	b**
636 142 01 01	636. { 912 914 915 917-190 and/or /20 917-240 and/or /25	in the rear downwards	150	195
636 142 05 01	636. { 916 917-00 917-090 917-223 917-270 917-273 917-330 917-340* 917-360	636.917- { 0** 21 9 10 14 15 17 24 26 27	150	201
	*from engine No. 636.917-340-08181 **Version A, C, F, G, K, U, V, W, X, Y, and Z			
636 142 06 01	636.917/ { 180 and/or /19 271 up to engine No. 636.917-271-9507015 272 up to engine No. 636.917-272-9507023 280 - - 350 - - 636.917/0 636.935 version B, H, J, L, M, N, P and T	in the rear downwards	74	147
636 142 07 01	636. { 918 931 917-310 917/211 917/0 version R	location shifted 5.5 mm from the center to the rear, direction downwards	180	15.5
636 142 09 01	636.917- { 040 and/or / 5 221 and/or /23 222 and/or /29 260 only up to engine No. 636.917-260-9504692 290 636.917/0 version D, E and O	in the front downwards	117	96.5
636 142 08 01 or 636 142 12 01 or 636 142 15 01 optional	636. { 930 917-251 and/or /30 917-271 <sup>1</sup> 917-272 <sup>2</sup> 917-300 917-370 917/0 version Q 917/12 917/18  <sup>1</sup> starting with Engine No. 636-917-271-95 08 087 <sup>2</sup> starting with Engine No. 636-917-272-95 07 784	in the middle downwards	145	0
636 142 13 01 or 636 142 19 01 optional	636. { 919 934 917-340* * up to engine No. 636.917 - 340 -9508180	in the rear downwards	54	215.5 or 221.5
036 142 00 09	636.917-320	in the middle upwards	70	0

\* a = Distance from the center of exhaust gas exit to the contact surface for the cylinder head  
\*\* b = Distance from the center of exhaust gas exit to the middle of exhaust manifold

OM 636	The engines of the type		636.	636.917	932 933 936 917/2 III 917/4 917/11 917/16 917/21 917/22 917/0 version S	021 and/or / 3 022 and/or /28 023 and/or /33 050 and/or / 6 120 and/or /13 252 and/or /31 253 and/or /32 260 - -
are supplied ex works Ut. without exhaust manifold.						
OM 621	Part. No.	installed in the engines of type	Position and direction of exhaust gas outlet		see Figure 14-8/1 measure	
			a*	b**		
	621 142 09 01	621.910	Position offset rearwards by 15 mm direction laterally slightly rearwards and downwards		133	15
* a = measure from centre of exhaust gas outlet to separating surface of cylinder crankcase ** b = measure from centre of exhaust gas outlet to centre of exhaust manifold						

## B. Checking and Repairing of Exhaust Manifold

Thoroughly check the exhaust manifold for cracks. A cracked exhaust manifold must be replaced. Welded exhaust manifolds have the tendency to break if subjected to great changes in temperature and vibrations.

Check levelness of the contact surfaces for the mounting on the cylinder head. The contact surfaces must be properly aligned.

Clean the inside of the exhaust manifold and remove traces of the old gaskets.

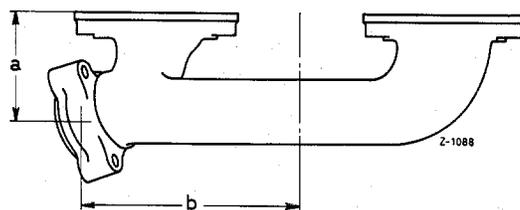


Figure 14-8/1  
OM 636

- a = Distance from the center of the exhaust gas exit to the contact surface for the cylinder head
- b = Distance from the center of the exhaust gas exit to the middle of exhaust manifold