Volvo 1800 and Smiths Tachometers Models

?

?

SMITHS RVI 3412/00

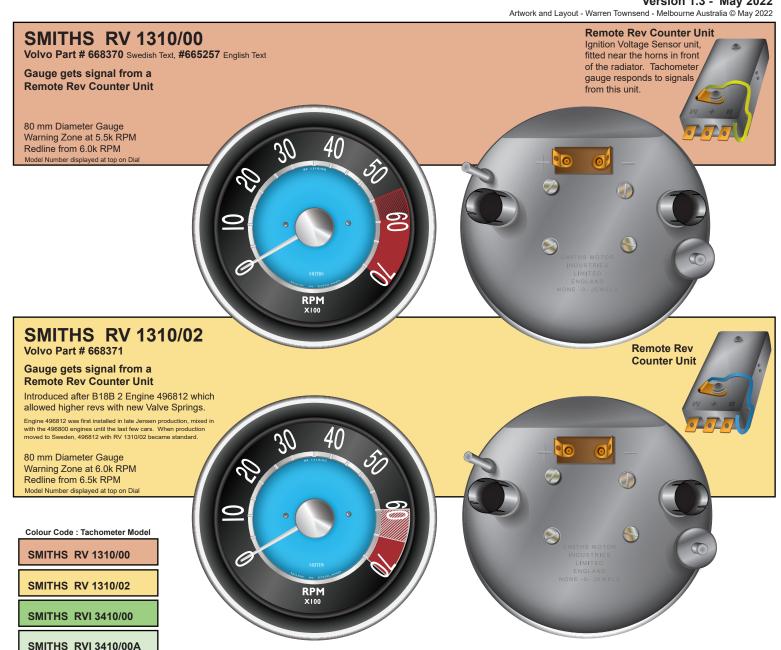
	Volvo 1	lvo 1800		Tachometer Model	
	Model		CH#	Ch#	Engine Type (Part #)
P1800	MY61	Α	1	1	61-63 Jensen
					B18B 1 (496800)
					Smiths RV 1310/00
					6K Redline
	MY62	Α			Remote Rev Counter Unit
	MY63	Α	6000	6000	B18B 1 (496800) B18B 2 (496812)
P1800S	MY63	В	6001	6001	
					B18B 2 (496812) & (496817)
					Smiths RV 1310/02
1800S					6.5K Redline
			8000		Remote Rev Counter Unit
1800S	MY64	D	8001		
				9882	
				9883	
				9884	B18B 2 (496812) & (496817)
				9885	Smiths RVI 3410/00
				9886	6.5K Redline
				9887	Rev Counter Loop on Tach
				9888	·
					B18B 2 (496812) & (496817)
					Smiths RV 1310/02
					6.5K Redline
				9894	Remote Rev Counter Unit
				9895 ?	Excluded from Tach Info in Parts Books
				9896	
					B18B 2 (496812) & (496817)
					Smiths RV 1310/02
					6.5K Redline
				9904	Remote Rev Counter Unit
				9905	
				9906	B18B 2 (496812) & (496817)
				9907	Smiths RVI 3410/00
				9908	6.5K Redline
				9909	Rev Counter Loop on Tach
				9910	
				9911	
				9912	
					B18B 2 (496812) & (496817)
					Smiths RVI 1310/02
					6.5K Redline
					Remote Rev Counter Unit
				9940	
				9941 *	

9941 * Probable typo "9441" in Parts Book - 9441 is listed for introduction of new RVI 3410/00 part # 670580, but close reading indicates it was actually 9941.

- Colour Dots indicate "original" cars with evidence of Tach Model installed - these cars comply with Parts Book info - Dot colour indicates Tach Model & positioned by Ch#
- Oclour Dots with ? indicate "original" cars and Tach Model used, but these cars had an unexpected Tach Model - there is a possibility of a replacement part fitted early in the car's life, so the original Tach status unclear without more evidence. These examples highlight the difficulty of verifying "originality" in cars over 50 or 60 years old.

Tachometers Used in Volvo P1800, P1800S, 1800S, 1800E and 1800ES model range 1961 - 1973.

Version 1.3 - May 2022



Volvo 1800 and Smiths Tachometers Models

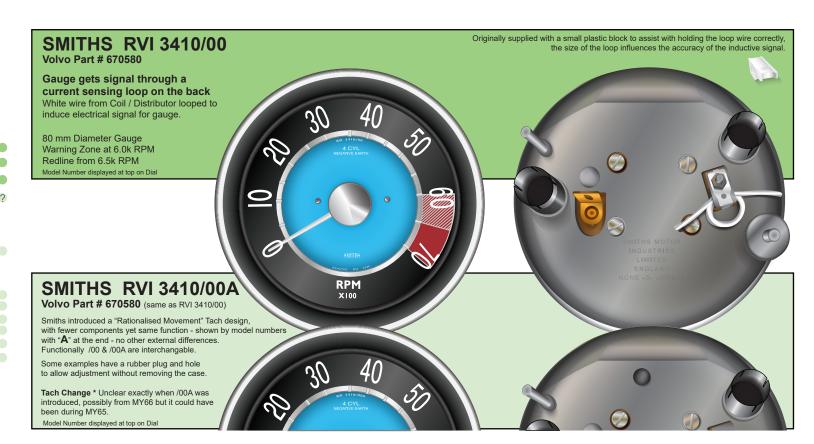
		•				
	Volvo 1800			Tachometer Model		
	Model	Model		Ch#	Engine Type (Part #)	
1800S	MY64	D		9941 *	Continued	
		Г			B18B 2 (496812) & (496817)	
					Smiths RVI 3410/00	
		Н			6.5K Redline	
				9999 *	Rev Counter Loop on Tach	
		H		10000		
		H	12500	10000		
1800S	MY65	Е	12501			
10000	103	Ė	12301			
			16500			
1800S	MY66	F	16501	Tach C	Change *	
10000	IVI 100	۲	TUCUT	racii C	B18B 3 (496819)	
		H			Smiths RVI 3410/00A	
		H			6.5K Redline	
		H	24000			
10000	14)/2=		21000		Rev Counter Loop on Tach	
1800S	MY67	М	21001		D40D 0 (400040) 8 (400004)	
					B18B 3 (496842) & (496864)	
					Smiths RVI 3410/00A	
			25500		6.5K Redline	
1800S	MY68	Р	25501		Rev Counter Loop on Tach	
		L				
			28300			
1800S	MY69	s	28301		B20B (496922) & (496923)	
					Smiths RVI 3410/00A	
					6.5K Redline	
			29993	30000	Rev Counter Loop on Tach	
1800E	MY70	т	29994	30001		
			32792		B20E	
1800E	MY71	U	32793		Smiths RVI 3412/00	
			37542		Internal Rev Counter	
1800E	MY72	w	37543		B20F B20E	
			39414	39414		
1800ES	MY72	w	1	1	B20F B20E	
		Ė	3070		Smiths RVI 3412/00	
1800ES	MY73	Υ	3071		Internal Rev Counter	
.50020		Ė	8078	8078	tornaritor oddinar	
			0070	0010		

As can be seen from the chart, the installed Smiths Tachometer models changed back and forth in small batches a few times during MY64 year, 5 cars with 3410/00, then 16 with previous model, then 7 cars with 3410/00, then 28 cars with previous model. This could be attributed to supply issues

from Smiths (with industrial disputes of the 60's), or perhaps cars were separated from the main production line for Production Fitment Testing and Staff Training before the RVI 3410/00 Tachometer finally became standard installation on the production line from Chassis # 9941. The Parts Books list the last Remote Sensor Unit at Ch # 9999 *, but that logically occurred at Ch # 9940 and with the new Tach Model (without a Remote Sensor) installed from Ch # 9941.

This document began with initial work by JG Coutts - investigating anomalies in accepted history of Tachommeters in Volvo 1800's. This document draws on technical work by R Kwas (sw-em.com), J Knapp (v1800.org) and "A Gentleman's Guide to Smiths Electronic Tachometers" by Alex Miller, as well as other resources, it has been aided by evidence submitted by members of the Classic Volvo Community. For technical information on Smiths Tachometers the above listed technical resources would be highly recommended.

This document is intended as an information and historical source for clearly identifying instruments fitted to Volvo 1800 cars across the model range.



SMITHS RVI 3412/00 Volvo Part # 682159

Sensing of Current Pulse is internal to gauge

Red wire from Coil, White from Distributor with unique connectors to maintain polarity.

Rubber plug, or Guarantee Sticker, over hole in case - hole to allow adjustment without removing case.

80 mm Diameter Gauge Warning Zone at 6.0k RPM Redline from 6.5k RPM

Model Number displayed at bottom on Dial



4000

000

Page 2 (of 2)