

Document Title: 88830557 User Instruction	Function Group: 080	Information Type: Service Information	Date: 07-05-2020
Profile: L70H Volvo			

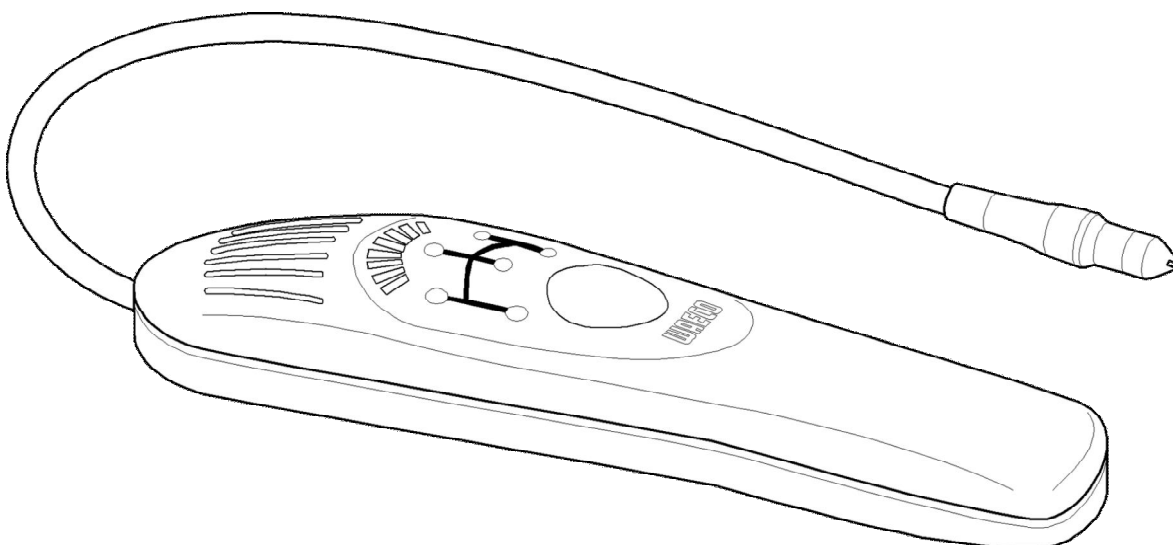
88830557 User Instruction

Showing Selected Profile

Valid for serial numbers			
Model	Production site	Serial number start	Serial number stop
L70H Volvo			

Please read this instruction manual carefully before first use, and store it in a safe place. If you pass on the product to another person, hand over this instruction manual along with it.

Leak detector.



V1192384

Figure 1

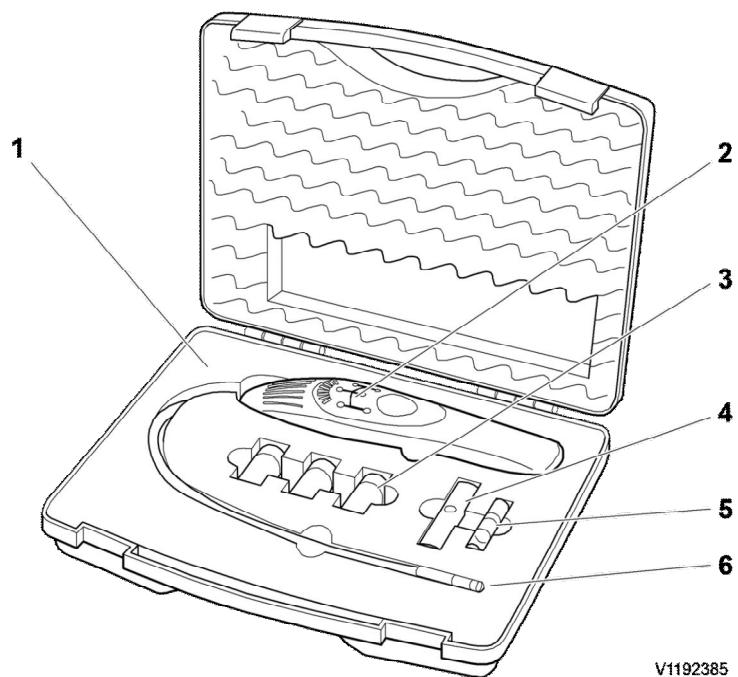


Figure 2

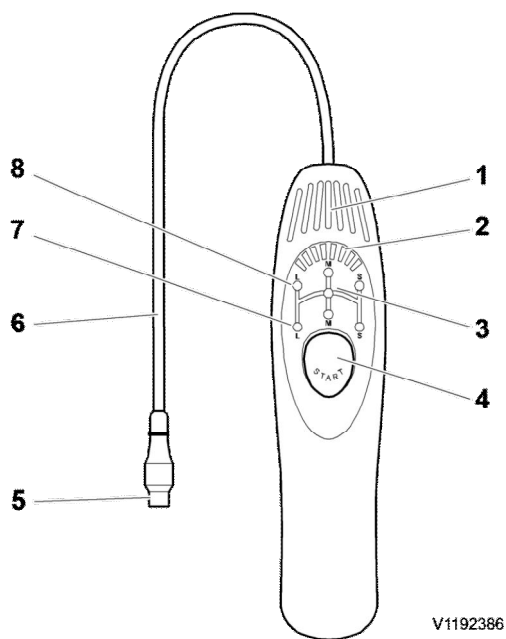


Figure 3

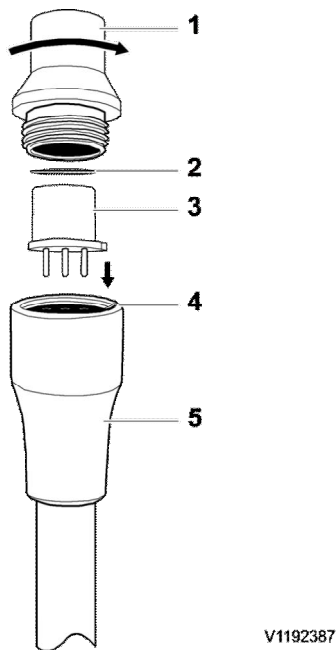





Figure 4

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1. Explanation of symbols

	WARNING! Safety instruction: Failure to observe this instruction can cause fatal or serious injury.
	CAUTION! Safety instruction: Failure to observe this instruction can lead to injury.
	NOTICE! Failure to observe this instruction can cause material damage and impair the function of the product.
NOTE!	NOTE Supplementary information for operating the product.

2. Safety instructions

The manufacturer accepts no liability for damage in the following cases:

- Damage to the product resulting from mechanical influences and excess
- Alterations to the product without express permission from the manufacturer

- Use for purposes other than those described in the operating manual

2.1 General safety



- The device may only be used by qualified personnel.
- Do not operate the device if it is visibly damaged.
- This device may only be repaired by qualified personnel. Inadequate repairs may cause serious hazards.
- Children must not play with the device.
- Children must be supervised to ensure that they do not play with the device.
- Always keep and use the device out of the reach of children under 8 years of age.

2.2 General safety



- Never immerse the device in water.
- Protect the device and the cable against heat and moisture.

3. Scope of delivery

No. in fig.2	Quantity	Explanation
1	1	Plastic case
2	1	Leak detector
3	3	Battery 1.5 V, type C
4	1	Sensor tip
5	10	Sensor filter
6	1	Sensor tip for damp environments (premounted)

4. Accessories

Description	Ref. no.
R-134a reference leak	8885100095

5. Intended use

The multi gas leak detector (ref. no. 88830557) is an electronic leak indicator for identifying leaks in air conditioning systems. The device is designed for detecting refrigerants and forming gases.

6. Technical description

The multi gas leak detector is equipped with a sensor. The sensor detects leaks. Three LEDs indicate the presence of refrigerant R-1234yf. Three LEDs indicate the presence of refrigerant R-134a, all other HFC, HCFC, HFO and CFC gases and gas mixtures (SF6), as well as tracer gas/forming gas (95/5 nitrogen/hydrogen). Leaks are indicated by a beep with different pitches through a loudspeaker. An LED bar graph shows the size of the leak and ensures the precise location of the leak. Four different levels of sensitivity can be set for each refrigerant.

6.1 Control elements

No. in fig.3	Description	Explanation
1	Loudspeaker	Beep is emitted when a leak is detected.
2	LED bar graph	This shows the size of the leak and ensures the precise location of the leak can be found quickly. The nearer or larger the leak is, the more bars are shown.

3	Green LED	<ul style="list-style-type: none"> LED lights up: batteries are charged. LED does not light up: batteries are charged 10%.
4	START button	<ul style="list-style-type: none"> Switches the device on and off. Switches between the four sensitivity levels.
5	Sensor tip	–
6	Metal probe	–
7	3 white LEDs (L, M, S)	indicate leaks with R-1234yf
8	3 blue LEDs (L, M, S)	indicate leaks with R-134a and all other gases

7. Operating the leak detector

7.1 Before initial use

NOTE!

- Insert the batteries (fig. 2, pos 3) before you use the device for the first time.

7.2 Switching on the leak detector

- Press the start button (fig.3, pos 4) to switch on the device.
 - The device regenerates the sensor for 35 seconds.
 - The LED bar graph lights up several times from left to right.
 - It emits one beep. The device is ready to use. The device switches off automatically if it is not used for 10 minutes.

7.3 Setting the sensitivity

NOTE!

- The leak detector responds to all standard refrigerants. If you use a different refrigerant to R-134a or R-1234yf, select the R-134a mode.
- Sensitivity level L and R-134a mode are preset.
- If you use the leak detector in a heavily soiled area, press the start button again after switching on. The device then switches to a mode for heavily soiled areas. This is indicated by a lowpitched beep which gets louder as soon as a leak is detected.

The device has four sensitivity levels with increasing sensitivity per refrigerant (R-1234yf or R-134a):

Refrigerant	Setting	Refrigerant quantity/leak size
R-134a	L	14 g / a (0.5 oz / yr.) or above
	M	7 g / a (0.25 oz / yr.) or above
	S	4 g / a (0.15 oz / yr.) or above
R-1234yf	L	14 g / a (0.5 oz / yr.) or above
	M	7 g / a (0.25 oz / yr.) or above
	S	4 g / a (0.15 oz / yr.) or above

- Press the start button (fig.3, pos 4) to select the sensitivity level or to switch between the

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