

CARAT Switch System - Volvo

Pre-sales Questionnaire

The CARAT Switch System is a cost-effective blue light control GUI system that is comprised of a CMP Controller and CSDS (Center Stack Display Switch) allowing the user to switch between the vehicle infotainment system and a blue light control GUI on the standard vehicle OEM display to operate equipment post vehicle manufacture.

Compatible with most Volvo vehicles built on the SPA platform: 60 & 90 Series from 2019, the new 40 series and Polestar.

Completed By:	Date:	CRM Opportunity Ref (if known):
Name of Customer:	Name of End User (if different):	

Volvo Car Details		
Model:	Date of Manufacture:	Vehicle REG if can be declared:
Vehicle Application		
Marked Car Yes <input type="checkbox"/>	Unmarked Car Yes <input type="checkbox"/>	Standby RSG LED Matrix Display Yes <input type="checkbox"/> No <input type="checkbox"/>
COMPLETE CARAT SOLUTION: Yes <input type="checkbox"/> No <input type="checkbox"/>		
Self-contained stand-a-lone solution. Comes complete with 3 separate items: 1 x CSDS Switch Unit, 1 x CMP Controller, 1 x Cable Kit		
CSDS SOLUTION:		
CSDS Device (only): Yes <input type="checkbox"/> No <input type="checkbox"/> for use with 3rd party application and/or equipment		
Cable Kit: Yes <input type="checkbox"/> No <input type="checkbox"/>		


Hazard Warning Equipment Requirements


Lightbar:	CAN Enabled? YES <input type="checkbox"/> NO <input type="checkbox"/> If YES: CAN Bridge required - UNI-BRI-001
Lightbar Mounting Bracket:	
Flash LED Lightheads:	
Control Systems:	MCS-32? YES <input type="checkbox"/> NO <input type="checkbox"/> MCS-16? YES <input type="checkbox"/> NO <input type="checkbox"/> If YES: CAN Bridge required - UNI-BRI-002
Standby RSG Matrix Display:	YES <input type="checkbox"/> NO <input type="checkbox"/> If YES: Adaptor cable required - 19-1517
Back-up switch or handset/switch unit required:	Switch? YES <input type="checkbox"/> NO <input type="checkbox"/> Handset/panel? YES <input type="checkbox"/> NO <input type="checkbox"/> If YES to switch : Dual colour MCS UNO Switch including cabling - SWT-308 If YES to handset/panel : Specify which MCS handset/switch unit required

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CARAT Switch System

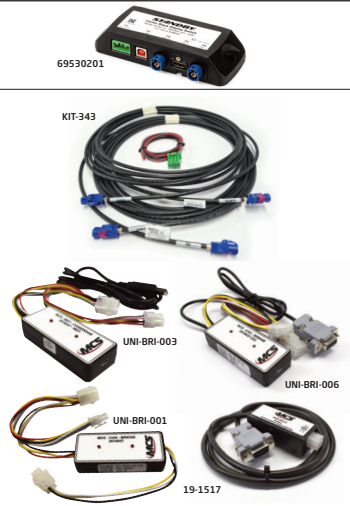
Contains: CMP Device, Operating Software, Cables (KIT-334) and Software License. Also requires CSDS device.

Note: The system is to be matched to the vehicle type (Marked, Unmarked)		
DESCRIPTION	PART NUMBER	
CARAT Control System for Marked Vehicle with Matrix Messages function.	KIT-CMP-V1	
CARAT Control System for Unmarked Vehicle with Matrix Messages function.	KIT-CMP-V2	
MCS CAN Bridge with CAN connections to interface with CAN controlled lightbars. Note: The lightbar must be within the lightbar CAN library of the MCS configurator editor.	UNI-BRI-001	
MCS CAN Bridge with CAN connections (telematics and remote control interface). Note: Required to interface CMP with MCS.	UNI-BRI-002	

DESCRIPTION	PART NUMBER	
CSDS Device (Center Stack Display Switch) - Volvo - Hardware - No Cables	69530201	


Center Stack Display Switch (CSDS) Device & Cable set

For use by 3rd party applications - typically ANPR e.g. Cleartone or Attobus

DESCRIPTION	PART NUMBER	
CSDS Center Stack Display Switch - Volvo - Hardware - No Cables	69530201	
Cable kit for CSDS/ANPR System (does not include the CSDS device) includes: CSDS Power Cable - 19-1546-I CSDS - USB Cable to CMP - 19-1549 CSDS - HDMI Cable to CMP - 19-1550 CSDS - GMSL Cable IN - 6 metres - 60580241 CSDS - GMSL Cable OUT - 6 metres - 60580242	KIT-343 (Not required when CMP Controller is specified)	
MCS CAN Bridge with CAN connections to interface with CAN controlled lightbars. Note: The lightbar must be within the lightbar CAN library of the MCS configurator editor.	UNI-BRI-001	
MCS CAN Bridge with USB A connection (telematics and remote control interface).	UNI-BRI-003	
MCS CAN Bridge with DB9 connection (telematics and remote control interface).	UNI-BRI-006	
Traffic Commander - Matrix Display RS232 Adaptor.	19-1517	

Component Part/Spares

DESCRIPTION	PART NUMBER	DESCRIPTION	PART NUMBER
CMP Hardware/License V1 Marked Vehicle with Matrix Messages (only)	67034302 - V1	CSDS - USB Cable to CMP	19-1549
CMP Hardware/License V2 Unmarked Vehicle with Matrix Messages (only)	67034302 - V2	CSDS - HDMI Cable to CMP	19-1550
CMP CARAT Power Cable	19-1545-I	CSDS - GMSL Cable IN - 6 metres	60580241
CSDS - Power Cable	19-1546-I	CSDS - GMSL Cable OUT - 6 metres	60580242

DESCRIPTION	PART NUMBER	
Cable kit for CARAT Switch System (does not include the CSDS device) includes: CMP CARAT Power Cable - 19-1545-I CSDS Power Cable - 19-1546-I CSDS - USB Cable to - CMP 19-1549 CSDS - HDMI Cable to - CMP 19-1550 CSDS - GMSL Cable IN - 6 metres - 60580241 CSDS - GMSL Cable OUT - 6 metres - 60580242	KIT-334 (Not required when CMP Controller is specified)	