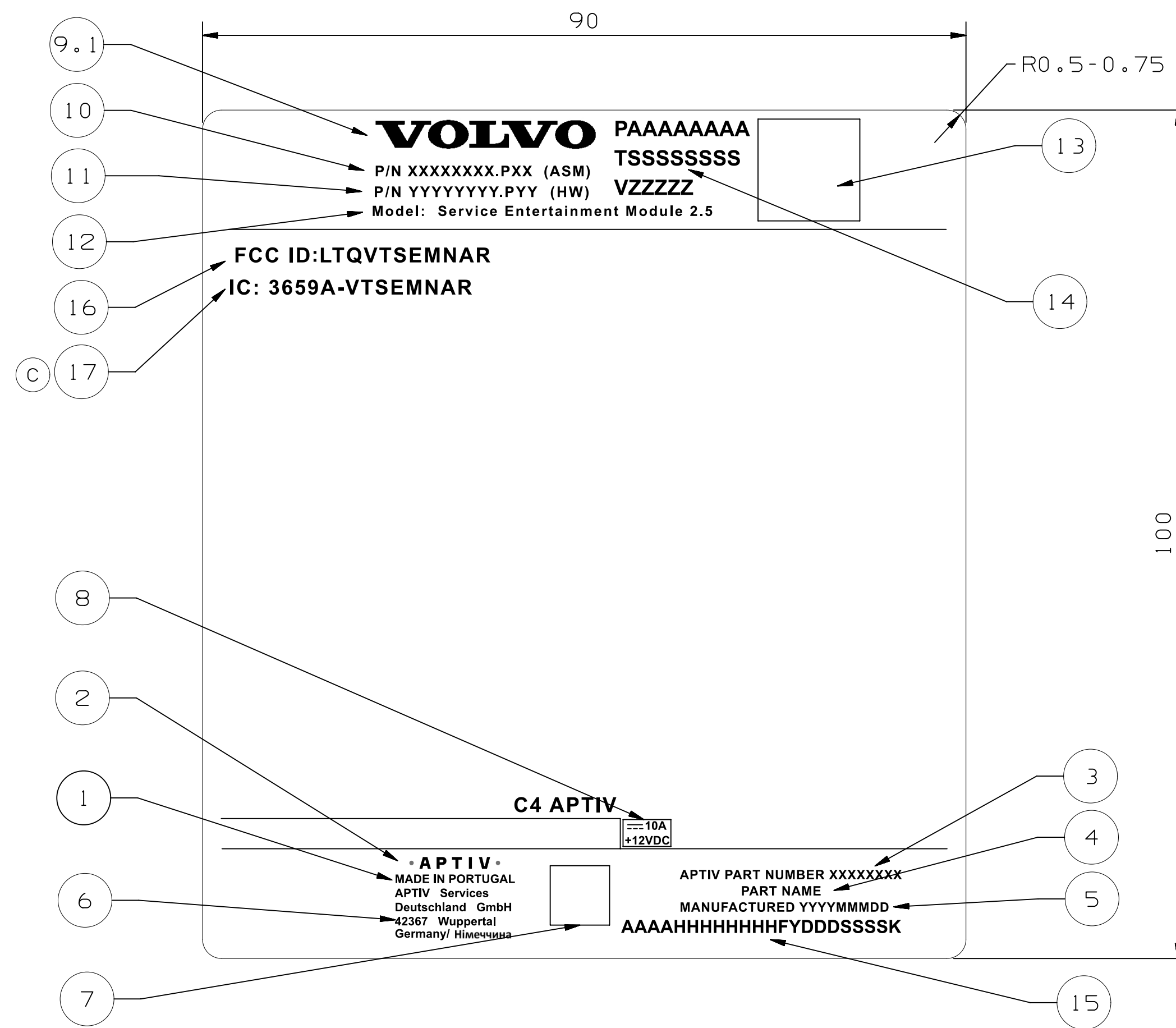
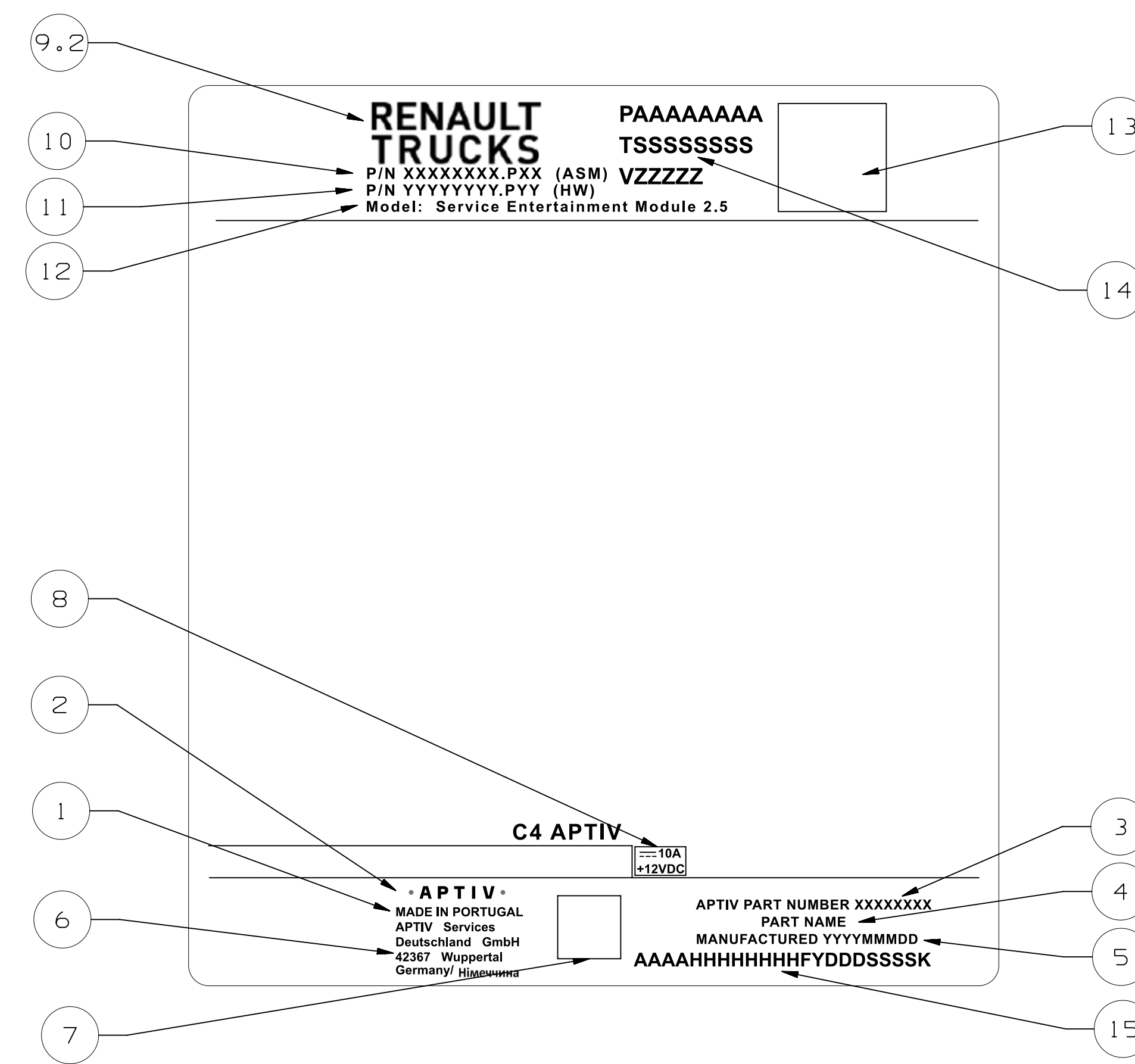


VOLVO PRODUCTION LABEL  
(DWG 28720173, DWG 28720321)



RENAULT PRODUCTION LABEL  
(DWG 28802551)



DESIGNATED CHARACTERISTICS				OCI	KPC	REVISION HISTORY				AUTH	DR	APVD	APVD
0	LAST NO USED	K OR Q	FIT/FUNCTION	C1	FF	DATE	STG	REV	N/P	CHG	ZONE	1	2
0	0	TOTAL ON DRAWING	INDICATES CHECKPOINT			05SE22	-	A	-	-	-	108065	PSO
KPC	OCI					06DE22	-	B	-	-	L14	108065	PSO
NO	NO	TYPE	DESCRIPTION	RATIONALE	ZONE	SH	PTS					108066	PSO
												9740	KSW
												0875	WSO

TABLE 1

PRODUCT PART NUMBERS				
APTIV PART NO.	PART REV SYM	HIST CHG REV SYM	DESCRIPTION	UNIT TYPE
28720173	D	C	LABEL MAKE-RDO SEM 2.5 NAR	PRODUCTION - VOLVO
28720321	D	C	LABEL MAKE-RDO SEM2.5 DAB,NDAB	PRODUCTION - VOLVO
28802551	A	A	LABEL MAKE-RDO-SEM25,RT,DB,NDB	PRODUCTION - RENAULT

TABLE 2

I	I	I	I	28655202	LABEL BLANK 100 X 90
I	I	I	I	28089772	RIBBON-PRINTING, 105 MM WIDE
A	C	C			HISTORICAL CHART REVISION SYMBOL
A	D	D			ITEM REVISION SYMBOL
28802551	28720321	28720173	ITEM NO.		DESCRIPTION
LABEL MAKE-RDO-SEM25,RT,DB,NDB	LABEL MAKE-RDO SEM2.5 DAB,NDAB	LABEL MAKE-RDO SEM 2.5 NAR			ITEM LIST
ASSEMBLING					

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POSITION AND INFORMATION ON LABEL ARE ONLY FOR REFERENCE.

QUIET ZONES ON BARCODES SHALL BE A MINIMUM OF 10 TIMES NARROW BAR WIDTH FOR LINEAR BARCODES AND 2 CELL SIZES FOR 2D DATA MATRIX.

MARKINGS FOR CERTIFICATIONS WE DO NOT CURRENTLY HAVE ARE MARKED WITH A X ON THE LAYOUT

**CHECK DIGIT CALCULATION WHEN LAST 4 CHARACTERS CUSTOMER PART NUMBER WILL NOT INCLUDE ALPHABETIC CHARACTERS**

THE CHECK DIGIT FOR THE PAG IS CALCULATED BY THE "MODULUS 10 FACTOR 3", WITH DETAILS:

EXAMPLE:  
PTN, WITHOUT CHK: 

5	1	8	5	2	8	2	8	7	7	5	6	1	1	0	0	4	0	4	3	5	7
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

POSITION:  
COUNT FROM RIGHT TO LEFT, START WITH 1. LAST POSITION IS 22, FOR "PTN"  
POSITION: 

22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	---	---	---	---	---	---	---

POSITION FACTOR:  
ODD POSITION, USE EVALUATION FACTOR (X 1)  
EVEN POSITION, USE EVALUATION FACTOR (X 3)

FACTOR: 

3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1	3	1
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TERMS:  
MULTIPLICATION RESULTS:  
SUM OF EVEN AND ODD POSITIONS: 168  
MODULUS 10 REMAINDER: 168/10=16 REST 8  
10 MINUS THE REMAINDER = CHECK DIGIT: (10-8)= 2  
FINAL PTN, WITH CHECK DIGIT VERSION:  
PTN, WITH CHECK CHARACTER: 

5	1	8	5	2	8	2	8	7	7	5	6	1	1	0	0	4	0	4	3	5	2
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**CHECK DIGIT CALCULATION WHEN LAST 4 CHARACTERS CUSTOMER PART NUMBER INCLUDES ALPHABETIC CHARACTERS**

BARCODE EXAMPLE:  
POSITION: 

C	L	I	E	D	G	0	0	0	1	1	1	B	8	0	2	3	0	1	2	3	Q
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

MULTIPLICATION:  
BARCODE: 

C	L	I	E	D	G	0	0	0	1	1	1	B	8	0	2	3	0	1	2	3	Q
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

CHARACTERS VALUES (TABLE ATTACHMENT):  

12	42	54	56	65	96	0	0	0	10	11	12	143	112	0	32	51	0	19	40	63
----	----	----	----	----	----	---	---	---	----	----	----	-----	-----	---	----	----	---	----	----	----

MULTIPLICATION RESULT:  
SUM = 12 + 42 + 54 + 56 + 65 + 96 + 0 + 0 + 0 + 10 + 11 + 12 + 143 + 112 + 0 + 32 + 51 + 0 + 19 + 40 + 63 = 818  
MODULUS 36 = 818 / 36 = 22 REMAINDER 26  
THE VALUE 26 IS DETERMINED BY CHARACTER "Q"

ATTACHMENT:

CHARACTERS	VALUES	CHARACTERS	VALUES
0	0	I	18
1	1	J	19
2	2	K	20
3	3	L	21
4	4	M	22
5	5	N	23
6	6	O	24
7	7	P	25
8	8	Q	26
9	9	R	27
A	10	S	28
B	11	T	29
C	12	U	30
D	13	V	31
E	14	W	32
F	15	X	33
G	16	Y	34
H	17	Z	35

NUMBER	DESCRIPTION	NOTES	PRINTING
1	COUNTRY OF MANUFACTURING	-	AS IS ON LAYOUT
2	MANUFACTURER	APTIV LOGO	AS IS ON LAYOUT
3	MANUFACTURER'S PART NUMBER	B-DIGIT PART NUMBER - END MODEL PART NUMBER	INFORMATION AVAILABLE ON THE END MODEL ASSEMBLY DRAWING NUMBER 24159808, PLEASE VERIFY THIS FIELD WITH THE INFORMATION ON THE END MODEL ASSEMBLY DRAWING. INFORMATION IS ALSO AVAILABLE ON THE MPI FILE.
4	PART NAME	-	REFER TO RADIO ASM DRAWING. DRAWING NUMBER 24159808.
5	DAY OF MANUFACTURE	YYYY IS THE YEAR; MMM THE FIRST LETTERS OF MONTH; AND DD THE DAY	-
6	MANUFACTURER ADDRESS	-	AS IS ON LAYOUT
7	APTIV DATAMATRIX CODE (2D-CODE)	SERIAL NUMBER OF THE PRODUCT	AAAAHHHHHHHHFYDDSSSSK AAAA - Last 4 digits VOLVO Hardware Part Number HHHHHHHH - APTIV Part Number F - Production Location (DDS-36) Y - Last Digit of Production Year DDD - Day of Production Year SSSS - Daily Serial Number K - Checksum, see table or refer to plant DOC
8	OPERATIONAL VOLTAGE OF THE PRODUCT	-	AS IS ON LAYOUT
9.1	CUSTOMER LOGOTYPE ASSEMBLY	VOLVO LOGO	FOR EXAMPLE:  *IN THE CASE OF THE VOLVO LOGO, THE FOLLOWING DIMENSIONAL RELATIONSHIPS SHOULD BE MENTIONED:
9.2	CUSTOMER LOGOTYPE ASSEMBLY	RENAULT LOGO	FOR EXAMPLE:  THE FONT TO BE USED IS DIN PRO MEDIUM
10	CUSTOMER ASSEMBLY PART NUMBER	-	INFORMATION AVAILABLE ON THE END MODEL CHART DRAWING NUMBER 24159808, PLEASE VERIFY THIS FIELD WITH THE INFORMATION ON THE END MODEL CHART DRAWING. IT IS ALSO AVAILABLE IN NOTE 2 OF THE MPI.
11	CUSTOMER HARDWARE PART NUMBER	-	INFORMATION AVAILABLE ON THE END MODEL CHART DRAWING NUMBER 24159808, PLEASE VERIFY THIS FIELD WITH THE INFORMATION ON THE END MODEL CHART DRAWING. IT IS ALSO AVAILABLE IN NOTE 2 OF THE MPI.
12	MODEL NAME	LEGAL DESIGNATION OF THE PRODUCT FAMILY	AS IS ON LAYOUT
13	CUSTOMER TRACEABILITY CODE	DATAMATRIX CODE (2D-CODE), CODE ISO/IEC 16022:2000; SYMBOL-ATTRIBUTE ECC200; DATAMATRIX FORMAT 06 IN ACCORDANCE WITH ISO 15434	AAAAAAA - CUSTOMER HARDWARE PART NUMBER SSSSSSS - UNIQUE TRACKING/SERIAL NUMBER ZZZZZ - SUPPLIER CODE ASSIGNED BY VOLVO, AN3AC FOR APTIV BRAGA  Decoded data stream: $[ ] > ^R s 06 ^G P AAAAAAA ^G s T SSSSSSSSS ^G s V ZZZZZ ^R s ^G o T$  Legend: [ ] > 3-character ISO/IEC 15434 compliance indicator ^R s Record separator (special ASCII Character 030) ^G s Data format indicating data identifiers to follow ^G s Group separator (special ASCII Character 029) ^G o T End of transmission (special ASCII Character 004)
14	SERIAL NUMBER OF THE UNIT	-	-
15	SERIAL NUMBER OF THE PRODUCT	-	-
16	FCC CERTIFICATION (USA)	CERTIFICATION MARKING REQUIRED FOR SALE AND DISTRIBUTION OF PRODUCTS IN SEVERAL COUNTRIES THAT RECOGNIZE THE FCC CERTIFICATION	MINIMUM TEXT HEIGHT OF 1mm
17	CANADA CERTIFICATION	CERTIFICATION MARKING REQUIRED FOR SALE AND DISTRIBUTION OF PRODUCTS IN CANADA	AS IS ON LAYOUT

FIRST USED  
28794629  
REFERENCE  
N/A  
REPLACES  
N/A  
REPLACED BY  
N/A

UNLESS OTHERWISE SPECIFIED  
THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5-2009.

ALL DIMENSIONS ARE IN MILLIMETERS  
ZERO PLACE DECIMALS ±N/A  
ONE PLACE DECIMALS ±N/A  
TWO PLACE DECIMALS ±N/A  
ANGLES ±N/A DEGREE

REFERENCE  
TCE

THIRD ANGLE PROJECTION  
DO NOT SCALE  
USE MATH DATA  
NX V11.0

DATE: 05SE22  
OR: P.SOCHACKI  
APVD1: K.SWIERCZ  
APVD2: W.SOWA  
APVD3:  
APVD4:  
APVD5:  
SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER APTIV (094980)

DRAWING NUMBER  
24165381  
SIZE: A0  
SCALE: (2:1)  
FRAME NO: 1  
SHEET NO: 1  
STO REV: 1  
N/P: C

DRAWING NAME  
CHART-LABEL, RDO-SEM 2.5

APRIL 2009  
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