

Reason	Code	Date Range	Title	Related Items/previously coded as	Scope Notes	Search Terms
<b>Section Q1 Vehicle in General</b>						
<b>Q17 Vehicle Construction; fittings; Propulsion arrangements</b>						
Changed	Q17-E09	(2009- )	Exhaust systems		Includes novel primaries, collectors and silencers of motor vehicle exhaust systems. See also Q51-J codes for IC engine exhausts per se. See X22-A07 for electrical aspects of vehicle exhaust systems.	
Changed	Q17-E15	(2006- )	Other propulsion details		Includes engine heating/warming arrangements (see also Q51-L), e.g. using diverted exhaust gas. From 2009 novel mechanical aspects of vehicle exhaust systems have been transferred to Q51-E09.	
<b>Section Q2 Special Vehicles</b>						
<b>Q21 Railways</b>						
Changed	Q21-J08	(2007- )	Railway safety systems		Includes systems for evacuating passengers from train during emergency and e.g. glass hammers mounted inside train. Also includes fire fighting equipment such as fire extinguishers. See Q21-D05 for train constructional features designed specifically for safety purposes such as fire-resistant bulkheads.	Fire-extinguisher, emergency, safety, escape slide, escape hatch
Changed	Q21-J09	(2006- )	Other rail vehicle accessories		Includes any other rail vehicle accessories that can not be coded elsewhere.	
<b>S05 Electrical Medical Equipment</b>						
Changed	S05-C09		Other analysis of biological materials		Includes breathalysers (see also S03-E14H9) and electrical DNA analysis (see also S03-E14H3).	Measure, chamber, fluid, test, assay, electrophoresis, DNA, ultrasonic
<b>T04 Computer Peripheral Equipment</b>						
Changed	T04-G04C	(1992- )	Photosensitive materials		Includes paper, photoconductive belt, drum, etc. <b>Toner is coded under T04-G04 only.</b> Constructional details are also coded under T04-G11A.	Photoconductor, belt, drum, sheet
Changed	T04-G10F	(2006- )	Management of confidential / secure documents, e.g. prevention of illegal copying		Prevention of illegal printing of private documents, etc, recognizing or printing copy prevention mark on documents, output to authorised operator. See S06-A14F if for copier, W02-J03C6 if for facsimile, T01 for image processing aspects, and T05-J for testing of securities, banknotes, etc.	
Changed	T04-K02B	(2006- )	Non-contact		Covers non-contact reading/writing, physical details of the non-contact system only should be covered in K01 and/or K03. For example the construction of the antenna in a transponder is T04-K01C and T04-K03B and would not be included here unless a communication aspect is also described. See also W02-C02G7 (smart cards) and W02-G05 codes (transponders and tags).	
<b>U14 Memories, Film and Hybrid Circuits</b>						
Changed	U14-G		Acoustic wave devices		For surface acoustic wave generator see also V06-V codes. For acoustic charge transport device using SAW see also U13-A02A.	Elastic, surface, SAW
Old	U14-H03	( -2008)	Hybrid circuits and IC chip mountings onto hybrid substrates		See also V04-R and V04-Q codes.	
Changed	U14-H03	(2009- )	Hybrid circuits		See also V04-R and V04-Q codes. See U14-H05 for IC chip mountings from 2009.	
Changed	U14-H04B	(1983- )	Hybrid circuit assembling		Includes all aspects of hybrid circuit assembling and manufacture, previously coded before 2009 in U14-H04B1 to U14-H04B9.	

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<b>U25 Impedance Networks and Tuning</b>						
Changed	U25-D01	(1992- )	Signal splitters and combiners		This code and its subdivisions cover active and passive networks for splitting and combining signals, generally without regard to frequency. Splitting and combining circuits based on electromechanical filters are assigned U25-B and U25-D01 codes as appropriate. Where splitting or combining networks involve use of frequency-selective elements such as filters implemented with coils and capacitors, U25-E05K is assigned (with other U25-E codes as appropriate) in preference to U25-D01 codes. Note that loudspeaker cross-over networks are not included in U25 unless also of wider application, being covered by W04-T05 and V06-V02S.	
Changed	U25-E05X	(1992- )	Other filter network function		Prior to 2009 this code was used for circuits with emphasis on delay equalization, now covered by U25-E05Q. See U25-F01 codes for networks with emphasis on achieving a particular phase shift. Time delay networks are covered by U25-A05. From 2009 frequency selective networks (i.e. filters normally) with emphasis on the separation or combining of frequency bands are no longer coded here and are covered by U25-E05K.	
<b>V03 Switches, Relays</b>						
Old	V03-B01B	(1997-2008)	Foot pedal switches			
Changed	V03-B01B	(2009- )	Foot pedal switches or mouth operated switches		Includes foot pedal switches and mouth operated switches. For constructional details, see also V03-B04 codes.	
<b>W04 Audio/Visual Recording and Systems</b>						
Changed	W04-M01C1B	(1992- )	Motor drive for focusing		See V06-M codes for details of motors or actuators themselves, and V06-N codes for novel drive circuitry for motor control. This code is used with W04-M01D5D (focus control) for control of focus involving novel motor drive aspects, or position feedback, only, for all other aspects of automatic focusing, W04-M01D5D is used alone. Use with W04-M01D1 codes for manual control of focus. From 2009, focusing by movement of the image sensor alone is not included being covered by W04-M01B8B.	Stepper, piezoelectric, shift, HF content, hill-climbing, servo, automatic
Changed	W04-M01C9	(1992- )	Other optical aspects of video cameras		Includes white balance reference plate, optical arrangements compensating camera shake (with W04-M01D7), lens cap, and arrangements for cleaning optical system including 'windscreen wiper' devices and ultrasonic vibration devices for dust removal. Ultrasonic and other vibration devices acting on the image sensor are covered by W04-M01B8 codes.	
Changed	W04-Q01	(1987- )	Video projectors and projection displays		This code and its subdivisions cover displays using projection of video or similar information on a screen. Codes relating to application are also assigned, e.g. for projection TV receivers search with W03 codes, for computer displays search with T04-H03E. Also included are special-purpose projection displays such as head-up displays projecting video information (covered by W04-Q01K) and direct retinal projection displays (covered by W04-Q01L).	Projection screen, transmission screen, optical system, laser projection system
<b>W05 Alarms, signalling, Telemetry and Telecontrol</b>						
Changed	W05-C02	(1992- )	Monitoring of signalling or alarm systems		From 2009 the scope of this code has been extended to include protection against false alarms, previously covered by W05-C05, and new subdivisions are introduced to distinguish this topic from other 'processing' and hardware aspects.	Alarm condition simulation, alarm acceptance

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<b>X22 Automotive Electrics</b>						
Changed	X22-A06	(1987- )	Air treatment; Air filter	X22-A09	From 2009 the scope of this code has been widened to include all electrical aspects of intake air treatment and filtering, such as: air filters with integral clogging detectors (see also X22-A05X for clogging detection and maybe X22-E10 and X22-E01 for driver warning); and e.g. photochemical treatment of intake air with UV light to create ozone to improve combustion. Control of intake air flow using a standard throttle valve should instead be coded in X22-A03B instead under speed control. For novel mechanical aspects of intake air treatment and filtering see Q51-H05 and Q17-E codes.	
Changed	X22-K03	(2007- )	Intra-vehicle networking/multiplexing		Includes in-car high speed, integrated communications networks and multiplexing arrangements for interconnecting various vehicle systems, e.g. using wireless LANs or serial data buses etc. (see also W01 codes), avoiding the need for dedicated point-to-point wiring. For enabling internal communications between previously standalone vehicle control systems such as engine and braking systems.	CAN bus, LAN, Ethernet, wireless
Changed	X22-X06B	(1992- )	Acceleration or shock sensors		Includes measurement of acceleration, deceleration and shock or impact sensing. See also S02-G03.	
<b>X26 Lighting</b>						
Changed	X26-U99	(2006- )	Other lighting applications		Includes lighting arrangements in reptile houses, aquaria, vivaria, umbrellas, sewing machines, screwdrivers, keys, handbags, clothes, rucksacks, etc. See also X27 codes for domestic/personal items.	
<b>X27 Domestic Electrical Appliances</b>						
Changed	X27-A02A3A	(1992- )	Electric toothbrushes		Includes electric toothbrushes and toothpaste dispensers.	Motor, switch, head, brush, battery, toothpaste dispenser
Changed	X27-C03	(1987- )	Electric grills and electric fryers	X27-C09		
Changed	X27-C03A	(1992- )	Electric deep-fat fryers			Rotofryer, twin fryer