

# PRODUCT INFORMATION

## Engine Coolant Temperature Sensor

- High precision and accuracy, ensuring optimal engine performance
- Designed to withstand harsh engine conditions
- Accurate temperature readings from HELLA sensors help maintain optimal engine temperature, contributing to better fuel efficiency and reduced emissions.
- Wide range of sensors compatible with various vehicle makes and models, making it easier to find the right fit for your vehicle.

### PRODUCT FEATURES

HELLA is among the leading providers in the area of sensor systems - our coolant temperature sensor also meet the highest functional and quality demands. Engine temperature coolant sensors (ETC) are an integral part of the cooling circuit. It detects the engine operating temperature. Should it need a fixed target value, a respective warning message is triggered. This allows avoiding greater engine damage early, e.g. a defective cylinder head gasket.

**Function:** The temperature of the engine coolant is measured by an engine coolant temperature sensor, which informs the engine control unit (ECU) when to make adjustments to fuel injection and ignition timing.

The coolant temperature sensor operates within the vehicle's ECU by delivering regulated voltage to it. The resistance to the transmitted voltage changes based on the temperature of the engine coolant, allowing the ECU to monitor the temperature. The ECU utilizes the resistance measurement to determine the temperature of the engine coolant and makes adjustments to ignition timing, fuel mixture, and the cooling fan to help maintain a consistent temperature.





This upkeep is crucial for ensuring the safety of your vehicle and for optimal performance of the coolant system

**Product Replacement / Lifespan:** Faulty engine coolant temperature sensors are a frequent issue. If the engine cooling system is not maintained according to the manufacturer's recommendations, the sensor may corrode where it enters the engine coolant passages. Typically, the engine coolant temperature sensor needs replacement around 100,000 miles. However, failure to maintain the engine cooling system properly could cause the sensor to fail much sooner.

**Coverage:** HELLA's Engine Temperature Coolant Sensors offer extensive coverage, compatible with 94 million vehicles in the USA and 19 million in Canada. These sensors are designed for a wide range of top automotive brands, including Acura, Alfa Romeo, Audi, BMW, Chevrolet, Ford, Honda, Lexus, Mercedes-Benz, Nissan, Toyota, Volkswagen, and many more. With this comprehensive vehicle coverage, HELLA ensures reliable performance and compatibility across various models, providing high-quality solutions for automotive temperature control systems.

# HELLA ENGINE COOLANT TEMPERATURE SENSORS

# PRODUCT RANGE

PART NUMBER	PRODUCT IMAGE	YEAR	MAKE	MODEL	COUNTRY OF ORIGIN
009107591		1985-2014	Acura   AM General   Buick   Cadillac   Chevrolet   Geo   GMC   Honda   Hummer   Isuzu   Oldsmobile   Pontiac	60 Special   6000   88   98   Achieva   Alero   Allante   Amigo   Astro   Aurora   Axiom   Aztek   Beretta   Blazer   Bonneville   Bravada   Brougham   C10   C10 Suburban   C1500   C1500 Suburban   C20   C20 Suburban   C2500   C2500 Suburban   C3500   C3500HD   Caballero   Calais   Camaro   Caprice   Cavalier   Celebrity   Century   Chevette   Cimarron   Citation II   Corsica   Corvette   Custom Cruiser   Cutlass   Cutlass Calais   Cutlass Ciera   Cutlass Cruiser   Cutlass Salon   Cutlass Supreme   Delta 88   DeVille   DTS   El Camino   Eldorado   Electra   Escalade   Express 1500   Express 2500   Express 3500   Express 4500   Fiero   Firebird   Firenza   Fleetwood   G10   G1500   G20   G2500   G30   G3500   Grand Am   Grand Prix   H1   H2   Hombre   Hummer   Impala   Impulse   Intrigue   Jimmy   K10   K10 Suburban   K1500   K1500 Suburban   K20   K20 Suburban   K2500   K2500 Suburban   K30   K3500   K5 Blazer   LaCrosse   LeMans   LeSabre   LLV   Lucerne   Lumina   Lumina APV   Malibu   Montana   Monte Carlo   P20   P2500   P30   P3500   Parisienne   Park Avenue   Passport   Pickup   R10   R10 Suburban   R1500   R1500 Suburban   R20   R20 Suburban   R2500   R2500 Suburban   R30   R3500   Reatta   Regal   Rendezvous   Riviera   Roadmaster   Rodeo   Rodeo Sport   S10   S10 Blazer   S15   S15 Jimmy   Safari   Savana 1500   Savana 2500   Savana 3500   Savana 4500   Seville   Sierra 1500   Sierra 1500 Classic   Sierra 2500 HD   Sierra 2500 HD Classic   Sierra 3500   Sierra 3500 Classic   Sierra 3500 HD   Silhouette   Silverado 1500   Silverado 1500 Classic   Silverado 2500 HD   Silverado 2500 HD Classic   Silverado 3500   Silverado 3500 Classic   Silverado 3500 HD   Skyhawk   Skylark   SLX   Somerset   Somerset Regal   Sonoma   SRX   Storm   STS   Stylus   Sunbird   Sunfire   Syclone   T1000   Tahoe   Toronado   Transport Sport   Trooper   Typhoon   V10   V10 Suburban   V1500   V1500 Suburban   V20   V20 Suburban   V2500   V2500 Suburban   V30   V3500   VehiCROSS   Venture   XLR   Yukon	BR
009309421		2001-2011	Acura   Honda	Accord   Civic   CR-V   Element   Fit   MDX   Odyssey   Pilot   Ridgeline   RL   RSX   S2000   TL   TSX	BR
009107511		1988-2006	Acura   Honda   Isuzu	Accord   Civic   Civic del Sol   CL   CR-V   CRX   Insight   Integra   Legend   MDX   NSX   Oasis   Odyssey   Pilot   Prelude   RL   S2000   TL   Vigor	BR
009309271		2015-2020	Alfa Romeo	4C	BR

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009107361		1985-2001	Alfa Romeo   BMW   Chevrolet   Geo   Honda   Hyundai   Isuzu   Porsche   Saab   Volkswagen   Volvo	164   244   245   318i   318is   318ti   325   325e   325es   325i   325is   325iX   525i   528e   535i   535is   635CSi   735i   735iL   740   745   760   900   9000   924   944   968   Accent   Amigo   Elantra   I-Mark   Impulse   L6   L7   M3   M5   M6   Passport   Pickup   Rodeo   Scoupe   Spectrum   Tiburon   Trooper   Vanagon	BR
358058201		1994-1996	Audi	A4   A4 Quattro   Cabriolet	BR
009309331		2002-2023	Audi   Porsche   Volkswagen	918 Spyder   A3   A3 Quattro   A3 Sportback e-tron   A4   A4 allroad   A4 Quattro   A5   A5 Quattro   A5 Sportback   A6   A6 Quattro   A7 Quattro   A8 Quattro   allroad   Arteon   Atlas   Atlas Cross Sport   Beetle   Boxster   Cayenne   Cayman   CC   e-Golf   Eos   Golf   Golf Alltrack   Golf R   Golf SportWagen   GTI   ID.4   Jetta   Macan   Panamera   Passat   Phaeton   Q3   Q3 Quattro   Q5   Q7   R32   R8   Rabbit   RS3   RS4   RS7   S3   S4   S5   S6   S7   S8   SQ5   Taos   Tiguan   Tiguan Limited   Touareg   TT   TT Quattro   TT RS Quattro   TTS Quattro	IT
009107141		1999-2010	Audi   Volkswagen	A4   A4 Quattro   A6   A6 Quattro   A8 Quattro   Allroad Quattro   Beetle   Cabriolet   EuroVan   Golf   Jetta   Passat   R32   RS6   S4   S6   S8   TT   TT Quattro	IT
009107541		1997-2002	Audi   Volkswagen	A4   A4 Quattro   A6   A6 Quattro   Beetle   Cabriolet   Golf   Jetta   Passat	BR
009107561		1985-1998	Audi   Volkswagen	100   100 Quattro   4000   80   90   90 Quattro   A6   A6 Quattro   Cabriolet   Coupe   Fox   Golf   Jetta   Passat   Scirocco	BR
009107211		1984-1984	BMW	318i	IT
009107351		1988-1995	BMW	530i   540i   740i   740iL   750iL   840Ci   850Ci   850CSi   850i	BR
013113241		2014-2018	BMW	328d   328d xDrive   535d   535d xDrive   540d xDrive   740Ld xDrive   X3	IT
009309541		1998-2021	BMW   Mini	128i   323Ci   323i   325Ci   325i   325xi   328Ci   328i   328i xDrive   328xi   330Ci   330i   330xi   525i   525xi   528i   530i   530xi   540i   545i   550i   550i GT   550i GT xDrive   550i xDrive   645Ci   650i   650i Gran Coupe   650i xDrive   650i xDrive Gran Coupe   740i   740iL   745i   745Li   750i   750i xDrive   750iL   750Li   750Li xDrive   760i   760Li   Alpina B6 xDrive Gran Coupe   Alpina B7   Alpina B7 xDrive   Alpina B7L   Alpina B7L xDrive   Cooper   Cooper Clubman   Cooper Countryman   M3   M5   M6   M6 Gran Coupe   M760i xDrive   X1   X5   X6   Z4   Z8	IT

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009107271		1988-2022	Buick   Cadillac   Chevrolet   Daewoo   GMC   Hummer   Isuzu   Oldsmobile   Pontiac   Saab   Saturn   Suzuki	9-5   9-7x   Alero   Amigo   Ascender   ATS   Aura   Avalanche   Avalanche 1500   Aveo   Aveo5   Camaro   Canyon   Caprice   Captiva Sport   Cavalier   Classic   Cobalt   Colorado   Corvette   CTS   Enclave   Envoy   Envoy XL   Envoy XUV   Equinox   Escalade   Escalade ESV   Escalade EXT   Express 1500   Express 2500   Express 3500   Express 4500   Firebird   Foreza   G5   G6   G8   Grand Am   Grand Prix   GTO   H2   H3   H3T   HHR   Impala   Impala Limited   Ion   L100   L200   L300   LaCrosse   LCF 3500   Leganza   LeMans   LS   LS1   Lucerne   LW1   LW200   Malibu   Montana   Monte Carlo   Nubira   Rainier   Regal   Relay   Rendezvous   Reno   Rodeo   Rodeo Sport   Savana 1500   Savana 2500   Savana 3500   Savana 4500   Sierra 1500   Sierra 1500 Classic   Sierra 1500 HD   Sierra 1500 HD Classic   Sierra 1500 Limited   Sierra 2500   Sierra 2500 HD   Sierra 2500 HD Classic   Sierra 3500   Sierra 3500 Classic   Sierra 3500 HD   Silverado 1500   Silverado 1500 Classic   Silverado 1500 HD   Silverado 1500 HD Classic   Silverado 1500 LD   Silverado 2500   Silverado 2500 HD   Silverado 2500 HD Classic   Silverado 3500   Silverado 3500 Classic   Silverado 3500 HD   Sky   Solstice   SRX   SS   SSR   Suburban   Suburban 1500   Suburban 2500   Suburban 3500 HD   Tahoe   Terrain   Terraza   Torrent   Trailblazer   Trailblazer EXT   Traverse   Uplander   Verano   Vue   XTS   Yukon   Yukon XL   Yukon XL 1500   Yukon XL 2500	BR
009107611		1996-2022	Buick   Cadillac   Chevrolet   GMC   Pontiac   Saab   Saturn   Suzuki	9-3   9-3X   9-5   900   9000   Acadia   Acadia Limited   Aura   Camaro   Canyon   Catera   Cobalt   Colorado   CTS   Enclave   Equinox   Express 2500   Express 3500   Express 4500   G6   G8   Grand Vitara   Ion   L300   LaCrosse   LS2   LW2   LW300   Malibu   Outlook   Rendezvous   Savana 2500   Savana 3500   Savana 4500   Sierra 2500 HD   Sierra 3500 HD   Silverado 2500 HD   Silverado 3500 HD   SRX   STS   Torrent   Traverse   Vue   XL-7	ES
358058221		2008-2021	Buick   Cadillac   Chevrolet   Saturn	Astra   Cruze   Cruze Limited   ELR   Encore   Sonic   Trax   Volt	BR
009107161		1990-2001	Cadillac   Pontiac	Catera   LeMans	BR
009107441		1985-2005	Chevrolet   Ford   Geo   INFINITI   Kia   Mercury   Nissan	200SX   240SX   300ZX   720   Altima   Axxess   Capri   D21   Escort   Festiva   G20   J30   Maxima   Metro   NX   Pathfinder   Pickup   Probe   Pulsar NX   Q45   Quest   Rio   Sentra   Sephia   Spectra   Sportage   Sprint   Stanza   Tracer   Tracker   Van	BR
009107651		1995-1998	Chrysler   Dodge   Eagle	Avenger   Sebring   Talon	BR

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009107121		1993-2015	Chrysler   Dodge   Eagle   Hyundai   Mitsubishi   Smart	3000GT   Diamante   Eclipse   Endeavor   Expo   Expo LRV   Fortwo   Galant   Lancer   Mirage   Montero   Montero Sport   Outlander   Outlander Sport   Sebring   Sonata   Stealth   Stratus   Summit   Talon	BR
009107481		1988-2018	Ford   Geo   Jaguar   Kia   Lexus   Mazda   Suzuki   Toyota   Volvo	2   3   4Runner   6   626   929   Avalon   B2200   C70   Camry   Celica   Corolla   Cressida   CX-5   ES250   ES300   ES330   GS300   Highlander   Land Cruiser   LS400   LX450   LX470   Matrix   Metro   Miata   Millenia   MPV   MR2   MR2 Spyder   MX-3   MX-6   Paseo   Pickup   Previa   Prius   Probe   Protege   Protege5   RAV4   RX-7   RX-8   RX300   RX330   RX400h   S60   S80   Samurai   SC300   SC400   Sephia   Sidekick   Sienna   Solara   Super V8   Supra   Swift   T100   Tacoma   Tercel   Tracker   Tundra   V70   Van   Vanden Plas   X-Type   XC70   XC90   XJ12   XJ8   XJR   XK8   XKR	IT
009309781		1999-2017	Ford   Jaguar   Land Rover   Mazda   Mercury	B4000   Contour   Discovery Sport   Escort   Explorer   Explorer Sport   Explorer Sport Trac   Five Hundred   Focus   Freestyle   LR2   Montego   Mountaineer   Mustang   Mystique   Range Rover Evoque   Ranger   Tribute   XE   XF	BR
009107831		1997-2023	Ford   Jaguar   Mazda   Mercury	B2300   Explorer   Explorer Sport Trac   F-250 Super Duty   F-350 Super Duty   F-450 Super Duty   F-550 Super Duty   Mountaineer   MPV   Mustang   S-Type   Vanden Plas   X-Type   XJ8   XJR   XK8   XKR	BR
009309621		2000-2023	Genesis   Hyundai   Kia	Accent   Amanti   Azera   Borrego   Cadenza   Elantra   Elantra Coupe   Elantra GT   Entourage   Forte   Forte Koup   Forte5   G70   G80   G90   Genesis   Genesis Coupe   K900   Kona   Optima   Rio   Rio5   Rondo   Santa Fe   Sedona   Seltos   Sonata   Sorento   Soul   Spectra   Spectra5   Sportage   Stinger   Tiburon   Tucson   Veloster   Veracruz   XG300   XG350	ES
009107641		1987-2001	Honda   Suzuki	Accord   Civic   Civic del Sol   CR-V   CRX   Odyssey   Prelude   Swift	BR
009107221		1984-1997	INFINITI   Nissan	200SX   240SX   300ZX   Altima   G20   J30   M30   Maxima   Pathfinder   Pulsar NX   Q45   Sentra   Stanza   Van	BR
009107531		1993-2024	INFINITI   Nissan	200SX   240SX   300ZX   350Z   370Z   Altima   Armada   Cube   EX35   EX37   Frontier   FX35   FX37   FX45   FX50   G20   G25   G35   G37   GT-R   I30   I35   J30   Juke   JX35   Kicks   LEAF   M35   M35h   M37   M45   M56   Maxima   Murano   NV1500   NV200   NV2500   NV3500   Pathfinder   Pathfinder Armada   Pickup   Q40   Q45   Q50   Q60   Q70   Q70L   Quest   QX4   QX50   QX55   QX56   QX60   QX70   QX80   Rogue   Rogue Select   Rogue Sport   Sentra   TITAN   TITAN XD   Versa   Versa Note   Xterra   Z	ES
009309511		1993-1997	Jaguar	Vanden Plas   XJ6   XJR   XJRS   XJS	IT

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358058121		1995-2008	Jaguar	Super V8   Vanden Plas   X-Type   XJ12   XJ8   XJR   XK8   XKR	BR
009107801		1992-2010	Lexus   Suzuki   Toyota	Camry   Highlander   RX400h   Sidekick   Solara   X-90	ES
004765041		1984-1995	Mercedes-Benz	190D   190E   300CE   300E   300SE   300SEL   300TE   420SEL   500SEC   560SEC   560SEL   E320	DE
005923051		1990-2006	Mercedes-Benz	300SE   300SL   400SE   400SEL   500SEL   500SL   600SEL   C220   C280   C36 AMG   E300   E320   E420   E430   S320   S420   S500   S600   SL320   SL500   SL600	DE
005923061		1996-2004	Mercedes-Benz	C220   C230   C280   C43 AMG   S320   S420   S500   S600   SL320   SL500   SL600   SLK230   SLK320 AMG   SLK320	DE
005923081		2011-2016	Mercedes-Benz	CLS550   G550   G63 AMG   SL550   SL63 AMG   SL65 AMG   SLK300   SLK350   Sprinter 2500   Sprinter 3500	DE
009107251		1997-2001	Mercedes-Benz	C200   SL60 AMG	BR
009107391		1987-1995	Mercedes-Benz	190D   300D   300SD   350SD   350SDL   S350	IT
009107491		1993-1997	Mercedes-Benz	300E   300TE   C220   C280   C36 AMG   E320   S320   SL320	IT
009107841		1988-1995	Mercedes-Benz	190E   260E   300CE   300E   300SE   300SEL   300SL   300TE   400E   400SE   400SEL   420SEL   500E   500SEC   500SEL   500SL   560SEC   560SEL   560SL   600SEC   600SEL   600SL   E420   E500   S420   S500   S600   SL500   SL600	IT
009309041		1995-1995	Mercedes-Benz	E300	IT
009309251		1996-2002	Mercedes-Benz	C220   C280   C36 AMG   CL500   CL600   E300   E420   S320   S420   S500   S600   SL320   SL500   SL600	IT
013113021		1986-1989	Mercedes-Benz	190D	IT





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358058181		1998-2010	Mercedes-Benz	C230   C240   C280   C32 AMG   C320   C43 AMG   C55 AMG   CL500   CL55 AMG   CL600   CL65 AMG   CLK320   CLK430   CLK500   CLK55 AMG   CLS500   CLS55 AMG   E320   E430   E500   E55 AMG   G500   G55 AMG   ML320   ML350   ML430   ML500   ML55 AMG   R500   S350   S430   S500   S55 AMG   S600   S65 AMG   SL500   SL55 AMG   SL600   SL65 AMG   SLK32 AMG   SLK320   SLK55 AMG   SLR McLaren	BR
358058191		2005-2014	Mercedes-Benz	C230   C250   C280   C300   C350   CL550   CL63 AMG   CLK350   CLK550   CLS550   CLS63 AMG   CLS63 AMG S   E320   E350   E400   E550   E63 AMG   G550   G63 AMG   GL320   GL350   GL450   GL550   GL63 AMG   GLK350   ML320   ML350   ML450   ML550   ML63 AMG   R320   R350   S350   S400   S550   S63 AMG   SL550   SL63 AMG   SLK250   SLK280   SLK300   SLK350   SLK55 AMG   Sprinter 2500   Sprinter 3500	BR
009309221		2007-2012	Mini	Cooper	BR
009107171		1971-1991	Peugeot	405   504   505   604	BR
009309161		2004-2008	Peugeot	407   607	BR
009107501		1985-1995	Porsche   Saab   Volvo	240   244   245   740   760   780   9000   928   940	ES
009107131		2001-2006	Renault	Laguna   Megane   Scenic	BR
009107421		1993-2001	Volkswagen	Cabrio   Golf   Jetta   Passat	IT
009107461		1993-2001	Volkswagen	Cabrio   Golf   Jetta	BR
009107551		1985-1998	Volkswagen	Cabriolet   Corrado   EuroVan   Golf   Jetta   Passat   Scirocco   Vanagon	BR
009107691		1999-2008	Volkswagen	Golf   Sharan	IT

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010967221		1997-1997	Volkswagen	EuroVan	ES
009107281		1992-1998	Volvo	850   960   C70   S70   S90   V70   V90	ES

Product features, specifications and availability are subject to change without notice.

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