

# TOYOTA

## BLOCK HEATER APPLICATION CHART

\*FOR THE CORE PLUG HEATER WITH O RING, TOYOTA RECOMMENDS TO USE FIGP TOYOTA SEAL (TOYOTA #00295-00103) ON THE O RING BEFORE INSTALLATION. THIS FIGP TOYOTA SEAL CAN BE ORDERED FROM TCI.

MAKE	YEAR	ENGINE	HEATER NO.	REPLACE MENT CORD	CORE HOLE PLUG LOCATION AND CORDSET ROUTING	ELEMENT/ CLIP DIRECTION (O'CLOCK)
AVALON	1995- 2004	IMZ-FE	C0140-00644*	C0140- 02897	Front, R.H.S. Remove oxygen sensor wire connector & clamp. Remove exhaust manifold & drain coolant. Remove installation hole cover & 2 studs. Remove original silicone sealant from hole. Clean hole surfaces. Secure heater in position with the bracket, bolts & lock washers provided. Connect cordset. Route cordset through opening between right side of bumper & engine under-cover. For Avalon, route cordset through opening beside right side of radiator and under right headlight. Secure cordset to the A/C suction pipe. Replace engine components removed earlier. Refill coolant, run engine & check for leakage & coolant level.	3
	2005- 2010	2GR-FE	PU140-00900	PU140- 03571	Rear, L.H.S. (hole direction pointing to front) Route cord up. Tie the cord to the lower heater hose outlet. Route the cord to left side of engine. Tie the cord to the main harness besides the fuse box. Remove front radiator plastic cover. Route the cord down on left side of battery and tie the cord to the left side of radiator coolant fan harness at the front bottom of the battery. Route the cord to the front and tie to the front grille.	11
CAMRY	1983- 86	2SE	C0140-00123*	C0140- 00069	Front L.H.S. 2nd from transmission	6
	1987- 91	3S-FE	C0140-00134*	C0140- 00070	Rear 2nd from right	12
	1988- 91	2V-ZFE	C0140-00110*	C0140- 00767	Front centre. Loosen union bolt of water outlet five revolutions before refilling coolant. Tighten after coolant fill.	12
	1992- 93	3VZ-FE	C0140-01141*	C0140- 00903	Front 1st from left. Remove exhaust manifold; remove exhaust pipe if necessary. Route cordset towards the left side of engine compartment.	6
	1992- 2001	5S-FE	C0140-01123*	C0140- 02899	Front, 2nd from left. Remove exhaust manifold. For models prior to 1994 model year, remove upper exhaust manifold heat shield only. Route cordset towards left side of engine compartment.	12
	1994- 2006	IMZ-FE	C0140-00644*	C0140- 02897	Front, R.H.S. Remove oxygen sensor wire connector & clamp. Remove exhaust manifold & drain coolant. Remove installation hole cover & 2 studs. Remove original silicone sealant from hole. Clean hole surfaces. Secure heater in position with the bracket, bolts & lock washers provided. Connect cordset. Route cordset through opening between right side of bumper & engine under-cover. For Avalon, route cordset through opening beside right side of radiator and under right headlight. Secure cordset to the A/C suction pipe. Replace engine components removed earlier. Refill coolant, run engine & check for leakage & coolant level.	3

	2002-2009	2AZ-FE, L4, 2.4L	PU140-00900	PU140-03571	Left rear side of engine Route cord along transmission cable and attach one plastic tie. Continue towards front of vehicle along the right side of the battery to the drivers side headlight. Using the second plastic tie attach cord to vehicle frame near headlight.	Cord comes out of heater at 3 o'clock	3
	2010	2AR-FE, L4, 2.5L	PU140-00900	PU140-03571	Left side of engine above the transmission bell Remove wiring harness plastic channel for easy access to core hole. Coat core hole and cartridge heater (body only, not terminals) with NSCG silicone grease G-624 to ensure good temperature transfer, and prevent moisture (salt splash) from entering hole. Route cord on driver side to front. Avoid any interference with any moving parts and away from exhaust and hot parts. Re-install wiring harness plastic channel. Please refer to Toyota on-line installation instruction for details.	Cord comes out of heater at 9 o'clock	3
	2007-2010	2GR-FE, V6, 3.5L	PU140-00900	PU140-03571	Left rear side of engine Coat core hole and cartridge heater (body only, not terminals) with NSCG silicone grease G-624 to ensure good temperature transfer, and prevent moisture (salt splash) from entering hole. Cord routing: along the top of transmission and go front of battery. Avoid any interference with any moving parts and away from exhaust and hot parts. Please refer to Toyota on-line installation instruction for details.	Cord comes out of heater at 11 o'clock	11
CAMRY HYBRID	2007-2010	2AZ-FSE, L4, 2.4L	PU140-00900	PU140-03571	Left rear side of engine Temporary Remove HV orange wiring and clamp from the rear side of electric motor area. Install block heater. Put back HV orange wiring and clamp into its original position. Continue towards front of vehicle to the driver's side headlight. Using plastic tie attach cord to vehicle frame near headlight.	Cord comes out of heater at 3 o'clock	3
CAMRY 4 WD	1988-91	3S-FE	C0140-00142*	C0140-02898	Front L.H.S. 1st from transmission		9-12
CELICA	1972-85	18RC, 20R, 22R, 22RE	C0140-00123*	C0140-00069	Front R.H.S.		6/12
CELICA GT	1986	2SE	C0140-00123*	C0140-00069	Front L.H.S. 2nd from transmission		6
	1987-89	3S-FE	C0140-00134*	C0140-00070	Rear 2nd from right		12
	1990-99	5S-FE	C0140-00141*	C0140-00767	Rear 2nd from right. Remove lower cross member		9
	2000-2006	1ZZ-FE	PU140-00900	PU140-03571	Left side of engine block under connector for spark plug wire. Coat core hole and cartridge heater (body only, not terminals) with NSCG silicone grease G-624 to ensure good temperature transfer, and prevent moisture (salt splash) from entering hole. Route cord left under heater inlet hose along front of engine ECU box to the front through the left side bottom hole of the bumper. Tie cord to the heater inlet hose, the parking light harness and the horn harness with straps provided.		3
CELICA GTS	1986-87	3S-GE	C0140-00134*	C0140-00070	Rear 2nd from right		12
	1988-89	3S-GE	C0140-00134*	C0140-00070	Rear, 2nd from right, remove lower cross member		12

		1990-99	5S-FE	C0140-00141*	C0140-00767	Rear 2nd from right. Remove lower cross member		9
		2000-2006	2ZZ-GE	C0140-00886	C0140-00888	Front driver side. Coat core hole and cartridge heater (body only, not terminals) with NSCG silicone grease G-624 to ensure good temperature transfer, and prevent moisture (salt splash) from entering hole. Remove air inlet plastic pipe, air cleaner cover and large intake hose. For ease of installation, first, assemble the plug of cordset to the heater and lubricate the heater with lubricant provided. Then follows the installation instructions. After installation, re-assemble air inlet plastic pipe, air cleaner cover and large intake hose. Route cord left along front of engine ECU box to the front through the central bottom hole of the bumper. Tie cord to the main fuse box harness, the parking light harness and the horn harness with straps provided.		9
CELICA ST		1990-93	4A-FE	C0140-02123*	C0140-00453	Front centre. Remove engine undercover		12
		1994-95	7A-FE	C0140-03110*	C0140-00744	Front, 1st from right. Route cordset along alternator wires to behind right side head light panel.		12
COROLLA		1988-92	4A-F, 4A-FE	C0140-02123*	C0140-00453	Front centre		12
		1993-97	4A-FE, 7A-FE	C0140-00835*	C0140-00453	Front Centre, Auto transmission - route cordset behind shifter cable, away from cooling fan. Standard transmission - route cordset behind lower radiator hose, away from cooling fan.		12
		2003-2007	2ZZ-GE	PU140-00900	PU140-03571	Front driver side.		9
		1998-2008	1ZZ-FE	PU140-00900	PU140-03571	Left side of engine block under connector for spark plug wire. Coat core hole and cartridge heater (body only, not terminals) with NSCG silicone grease G-624 to ensure good temperature transfer, and prevent moisture (salt splash) from entering hole. Route cord up. Connect cordset to transmission bell housing with cable tie. Route out left side of vehicle, past radiator and out front bumper.		3(clip)
		2009-2010	2ZR-FE L4, 1.8L	PU140-00900	PU140-03571	Left side rear. Route cord up and along the left side of vehicle, past radiator and out front bumper. Tie cord to the wiring of the left front fog lamp Please refer to Toyota on-line installation instruction for details.	Cord comes out of heater at 4 o'clock	3
		2009-2010	2AZ-FE L4, 2.4L	PU140-00900	PU140-03571	Left side rear. Route cord up and along the left side of vehicle, past radiator and out front bumper. Tie cord to the wiring of the left front fog lamp Please refer to Toyota on-line installation instruction for details.	Cord comes out of heater at 4 o'clock	3
COROLLA	F R	1983-87	4AC	C0140-00123*	C0140-00069	2nd from front L.H.S.		6/12
	F F	1984-87	4AC	C0140-00123*	C0140-00069	Front 2nd from right		6/12
COROLLA GT-S		1985-87	4A-GE	C0140-00110*	C0140-00767	2nd from rear R.H.S.		12
		1988-91	4A-GE	C0140-00134*	C0140-00070	Rear, 1st from left. Remove front exhaust system, remove water pump inlet pipe.		12

ECHO SEDAN	2000-2005	1NZ-FE	PU140-00900	PU140-03571	Left side of engine block under outlet heater hose. Route cord up and connect cord set to air intake hose with plastic tie. Pass cord out the left side of vehicle past radiator and out the front bumper		3
ECHO HATCHBACK	2004-2006	1NZ-FE	PU140-00900	PU140-03571	Left side of engine block under connector for spark plug Remove Air Cleaner Assembly. Remove transmission clutch pipe bracket. Insert Cartridge and attach cord to heater. Route cord up from heater along the transmission /engine wire harness. Attach to harness with plastic tie provided. Then route cord along throttle cable and place on radiator support. Attach the cord to the throttle cable using 2 plastic ties one on the end closest to the firewall and one closest to the radiator. When heater is not in use, keep end of cord tied in a knot. When in use, untie cord and plug into receptacle.		3
FJ CRUISER	2007-2010	1GR-FE V6, 4.0L	PU140-00900	PU140-03571	Left side rear. Coat core hole and cartridge heater (body only, not terminals) with NSCG silicone grease G-624 to ensure good temperature transfer, and prevent moisture (salt splash) from entering hole. Route cord up along the firewall and have it secured with the OE Wire Harness with cable ties. Make sure its slack to compensate engine movement / vibration. Run the cord along firewall on driver side to the front following existing OE Wire Harness routing. Use cable ties to secure the cord. Avoid any interference with any moving parts and away from exhaust and hot parts. Please refer to Toyota on-line installation instruction for details.	Cord comes out of heater at 12 o'clock	9
HIGHLANDER	2001-2006	2AZ-FE	PU140-00900	PU140-03571	Left side of engine, top corner on the firewall side.		3
	2001-2003	1MZ-FE	C0140-00644*	C0140-02897	Front RHS, first plug hole		3
HIGHLANDER	2004-2007	3MZ-FE	C0140-00644*	C0140-02897	Front RHS. Drain coolant. Remove installation hole cover & 2 nuts. Remove original silicone sealant from hole. Clean hole surfaces. Secure heater in position with the original 2 nuts and the bracket & lock washers provided. Connect cordset. Route cordset forward. Tie cord to the air conditioning metal pipe. Route cord down and tie the cord to the air conditioning suction rubber pipe. Route cord below the bottom of the radiator and go to the front. Tie the cord to the front grille.		3
HIGHLANDER HYBRID	2006-2010						12
HIGHLANDER	2009-2010	1AR-FE, L4, 2.7L	PU140-00900	PU140-03571	L.H.S. above transmission bell Coat core hole and cartridge heater (body only, not terminals) with NSCG silicone grease G-624 to ensure good temperature transfer, and prevent moisture (salt splash) from entering hole. Remove plastic engine wiring cover and air filter box. Install the heater on the left side of engine. The clip direction is 3 o'clock and the socket come out of heater at 9 o'clock. Route the cord up and along driver side to the front. Avoid any interference with any moving parts and away from exhaust and hot parts. Re-install plastic engine wiring cover and air filter box. Please refer to Toyota on-line installation instruction for details.	Cord comes out of heater at 9 o'clock	3
HIGHLANDER	2008-2010	2GR-FE V6, 3.5L	PU140-00900	PU140-03571	Left side rear. Route cord and tie cord to heater hose. Route cord behind air filter and tie to left side big vehicle harness. Route cord along left side battery and tie to left side fuse box big vehicle harness. Route along radiator side out to front.	Cord comes out of heater at 11 o'clock	10
LAND CRUISER	1981-87	2B, 3B	C0140-00126*	C0140-00069	L.H.S. 2nd from rear lower		12

	1986-87	2H	C0140-00110*	C0140-00767	1st from rear R.H.S. After removing OE retainer and plug from aluminum water jacket housing, install block heater and reinstall hold down bolts		5-6
	1988-89	3F-E	C0140-00162*	C0140-00069	L.H.S. 2nd from front		4-6
MATRIX	2003-2008	1ZZ-FE	PU140-00900	PU140-03571	Left side rear. Coat core hole and cartridge heater (body only, not terminals) with NSCG silicone grease G-624 to ensure good temperature transfer, and prevent moisture (salt splash) from entering hole Route cord over the top of the main harness above the transmission and tie with three tie straps. Route to the front past the right side of the battery to the headlight section and tie with one strap. Attach the cord to the headlight harness with two straps. Route past the headlight into the compartment in front of the radiator. Attach the cord to the horn cable with two straps. Route to the front grille and attach with one strap. Attach the protector cap to plug.		3
	2003-2007	2ZZ-GE	PU140-00900	PU140-03571	Front driver side. Remove air filter cover and hose to engine for easy access to the core hole. Assemble the heater into hole with the clip at 12 o'clock and the ground pin of heater at 4 o'clock. Route cord to driver side. Use the clip provided to tie to engine harness. Route to the front and tie cord to air intake in front of battery with tie strap. Route cord through the opening close to the radiator left side upper bracket holder. Tie the cord to the horn harness and the front grille with straps provided. Attach the protector cap to plug.		12
	2009 - 2010	2ZR-FE L4, 1.8L	PU140-00900	PU140-03571	Left side rear. Route cord up and along the left side of vehicle, past radiator and out front bumper. Tie cord to the wiring of the left front fog lamp Please refer to Toyota on-line installation instruction for details.	Cord comes out of heater at 4 o'clock	3
	2009 - 2010	2AZ-FE L4, 2.4L	PU140-00900	PU140-03571	Left side rear. Route cord up and along the left side of vehicle, past radiator and out front bumper. Tie cord to the wiring of the left front fog lamp Please refer to Toyota on-line installation instruction for details.	Cord comes out of heater at 4 o'clock	3
MR-2	1985-89	4A-GE	C0140-00110*	C0140-00767	Intake side of engine 1st from transmission		6
	1991-93	5S-FE	C0140-00141*	C0140-00767	Rear 2nd from left. Remove engine stay		9
MR-2 SUPERCHARGE D	1988-89	4A-GZE	C0140-02123*	C0140-00453	Exhasut side of engine, 2nd from tranmission		12
MR-2 TURBO	1991-93	3S-GTE	C0140-00141*	C0140-00767	Rear 2nd from left. Remove engine stay		9
PASEO	1992-95	5E-FE	C0140-00128*	C0140-02897	Front 2nd from right. Remove air intake/duct, exhaust manifold heat shield and lower right side splash guard. Install from underneath vehicle. Bleed cooling system after refill.		3
	1996-98	5E-FE	C0140-00110*	C0140-00767	Front 1st from left. Remove air intake duct & exhaust manifold heater insulator. Route cord to front & tie cordset to knock sensor harness, transmission oil cooler pipe and front wire harness under radiator.		12
PREVIA	1991-95	2TZ-FE	C0140-00144*	C0140-00907	R.H.S. Above engine mount For cordset routing, see installation instruction sheet.		FRONT

PREVIA SUPERCHARGE D	1995- 97	2TZ-FZE	C0140-00144*	C0140- 00907	R.H.S. Above engine mount Remove radiator cover. Route wire through two heater hose brackets, along A/C hose and coolant lower hose to the front grille. Replace manifold shield and radiator cover removed earlier.	FRONT	
PRIUS	2001- 2003	1NZ-FXE	PU140-00900	PU140- 03571	Left side of engine block towards firewall	9	
	2004- 2009	1NZ-FXE	PU140-00900	PU140- 03571	Left side of engine block towards firewall Route along the right hand side of engine. Through the back of the inverter and then through the left hand side of the head lamp. Place plastic ties on the back of the inverter, the left hand side of the inverter and on the head lamp bracket.	9	
	2010	2ZR-FXE	PU140-00900	PU140- 03571	Left side of engine above transmission bell. Remove wiper arms, cowl panel, wiper motor module and inner cowl tray. To access core hole, need to pull the black high voltage wire harness up from the bell by removing bolt on transmission bell, releasing clip located beside the inverter coolant reservoir and releasing panel clamp for vehicle wire harness (black). Coat core hole and cartridge heater (body only, not terminals) with NSCG silicone grease G-624 to ensure good temperature transfer, and prevent moisture (salt splash) from entering hole. Route the cord below below vehicle wire harness (black) and along high voltage wire harness to the front.. Avoid any interference with any moving parts and away from exhaust and hot parts. Re-install black and high voltage wire harness. Please refer to Toyota on-line installation instruction for details.	Cord comes out of heater at 3 O'clock.	3
RAV 4	1997- 2000	3S-FE	C0140-00142*	C0140- 02898	Front L.H.S. Flatten the heat insulator on the engine block to ensure it does not contact the engine heater or cordset after installation. Tie cordset with cable ties to #2 auto sensor harness, automatic transmission coolant hose, and then to fan motor harness, and route cordset to front grille.	12	
	2001- 2003	1AZ-FE	PU140-00900	PU140- 03571	Rear, L.H.S.	3	
	2004- 2008	2AZ-FE L4, 2.4L	PU140-00900	PU140- 03571	Left side of engine, top corner on the firewall side Route the cord to top of transmission, and front of air cleaner and left side of battery. Route the cord to the front and tie to the front grille.	Cord comes out of heater at 9 O'clock.	3
	2006- 2010	2GR-FE V6, 3.5L	PU140-00900	PU140- 03571	Rear, L.H.S. Engine right bank (hole direction pointing to front) Route the cord to top of transmission, and front of air cleaner and left side of battery. Route the cord to the front and tie to the front grille.	Cord comes out of heater at 11 O'clock	11
	2009- 2010	2AR-FE L4, 2.5L	PU140-00900	PU140- 03571	Rear, L.H.S. Coat core hole and cartridge heater (body only, not terminals) with NSCG silicone grease G-624 to ensure good temperature transfer, and prevent moisture (salt splash) from entering hole. Remove engine cover, air filter box, engine wiring clip, engine wiring cover, torx stud and bottom wiring bolt. Install cartridge heater with the clip direction at 3 o'clock and the socket out of heater at 12 o'clock. Route cord up and along left side of engine, past front of battery and left side of battery to the front. Avoid any interference with moving parts or exhaust. Re-install the engine cover and removed parts. Please refer to Toyota on-line installation instruction for details.	Cord comes out of heater at 12 O'clock	3
SEQUOIA	2001- 2007	2UZ-FE	C0140-00134*	C0140- 00070	R.H.S. 2nd from front	12	

	2008-2009	2UZ-FE, V8, 4.7L	C0140-03400*	C0140-00070	R.H.S. Center Route the cord down and along the left side of the vehicle to the front. Please refer to Toyota on-line installation instruction for details.	Cord comes out of heater at 6 O'clock	12
	2008-2010	3UR-FE, V8, 5.7L	PU140-00900	PU140-03571	Rear, L.H.S. Put the car on a hoist. Remove the engine undercover. Use special flexible four claw pick-up (length 60 cm) to clamp on the clip of the heater to insert the rear core hole through the gap. The clip direction is 9 o'clock and the socket come out of heater at 10 o'clock. Route the cord up and along driver side to the front. Re-install the engine undercover. Please refer to Toyota on-line installation instruction for details.	Cord comes out of heater at 10 o'clock	9
	2010	1UR-FE, V8, 4.6L	PU140-00900	PU140-03571	L.H.S. Rear Release the front propeller shaft on the transmission side in order to gain access to the core hole. Coat core hole and cartridge heater (body only, not terminals) with NSCG silicone grease G-624 to ensure good temperature transfer, and prevent moisture (salt splash) from entering hole. Route cord up along the firewall and away from the EGR pipe on driver side following OE wire harness routing to the front. Avoid any interference with any moving parts and away from exhaust and hot parts. Please refer to Toyota on-line installation instruction for details.	Cord comes out of heater at 1 O'clock	9
SIENNA	1998-2003	1MZ-FE	C0140-00644*	C0140-02897	Front R.H.S. Drain coolant. Remove oil filter. Remove core hole cover and two studs. Remove original silicone sealant from hole. Clean hole surface. Secure heater in position with the bracket, bolts and lock washers provided. Connect cordset. Tie cordset with cable ties to aluminum a/c compressor suction tube, and to rubber a/c high pressure hose. Route out right side of vehicle on top of shroud cover and secure to right side bumper with cable tie. Reinstall engine oil filter. Refill coolant, run engine and check for leakage. Check coolant and engine oil levels.		3
	2004-2006	3MZ-FE	C0140-00644*	C0140-02897	Front , R. H. S. Route cord past a/c hi pressure hose and attach plastic tie. Pass cord on right hand side of radiator reinforcement and attach plastic tie. Out through bottom of engine compartment and through bumper.		3
	2007-2010	2GR-FE V6, 3.5L	PU140-00900	PU140-03571	Rear, L.H.S. (hole direction pointing to front) Route cord up. Tie the cord to the lower heater hose outlet. Route the cord to left side of engine. Tie the cord to the main harness besides the fuse box. Remove front radiator plastic cover. Route the cord down on left side of battery and tie the cord to the left side of radiator coolant fan harness at the front bottom of the battery. Route the cord to the front and tie to the front grille.		11
SOLARA	1999	5S-FE	C0140-01123*	C0140-02899	Front, R.H.S.		12
	1999-2008	1MZ-FE	C0140-00644*	C0140-02897	Front, R.H.S.		3
SUPRA	1979-85	4ME, 5ME, 5M-GE	C0140-00123*	C0140-00069	Front R.H.S.		4/10
	1986-92	5M-GE, 7M-GE, 7M-GTE	C0140-00123*	C0140-00069	Front L.H.S.		5-7
TACOMA 4X2	1995-2004	2RZ-FE	C0140-02141*	C0140-01791	Front R.H.S. Route cordset under alternator cable, behind and around battery to front grille.		2

	2005-2010	2TR-FE, L4	C0140-02141*	C0140-01791	2nd from front R.H.S. Route cord along the alternator wire harness, continue along the HVAC pipe, and then along the wire harness close to air pump and then over the headlamp. Avoid any interference with any moving parts and away from exhaust and hot parts. Please refer to Toyota on-line installation instruction for details.	2
	2006-2009	1GR-FE, V6, 4.0L	PU140-00900	PU140-03571	Rear L.H.S. Route cord up and along the left hand side of the rocker cover front. Route cord below battery to the left head lamp, thru rear hole to left front side of radiator.	9
TACOMA 4X4	1995-2004	3RZ-FE	C0140-02141*	C0140-01791	Front L.H.S. Route cordset to front and tie cordset to power steering pump outlet hose and power steering cooler hose with straps provided.	9
	1995-2004	5VZ-FE	C0140-02134*	C0140-02900	Rear L.H.S. Route cordset under engine oil coolant hose, along alternator wire harness and under wire harness behind battery to front grille.	6
	2009 - 2010	2TR-FE, L4, 2.7L	C0140-02141*	C0140-01791	2nd from front R.H.S. Route cord along the alternator wire harness, continue along the HVAC pipe, and then along the wire harness close to air pump and then over the headlamp. Avoid any interference with any moving parts and away from exhaust and hot parts. Please refer to Toyota on-line installation instruction for details.	2
	2005-2010	1GR-FE, V6, 3.5L	PU140-00900	PU140-03571	Rear L.H.S. Route cord up and along the left hand side of the rocker cover front. Route cord below battery to the left head lamp, thru rear hole to left front side of radiator.	9
TERCEL	1991-94	3E-E	C0140-00143*	C0140-00453	Front 2nd from right. Remove air intake/duct, exhaust manifold heat shield and lower right side splash guard. Install from underneath vehicle. Bleed cooling system after refill.	9
	1995-99	5E-FE	C0140-00128*	C0140-02897	Front 2nd from right. Remove air intake/duct, exhaust manifold heat shield and lower right side splash guard. Install from underneath vehicle. Bleed cooling system after refill.	3
	1980-88	3A, 1AC, 3AC	C0140-00123*	C0140-00069	L.H.S. 2nd from front	6/12
	1988-90	3E	C0140-00110*	C0140-00767	Front L.H.S. 1st from transmission	12
TRUCK	1994	3V-ZE	C0140-02110*	C0140-07444	L.H.S. 2nd from front. Remove left front wheel if necessary. Route cord set down around engine mount, towards front of vehicle. Keep cord away from hot and moving parts.	7
TRUCK/ 4 RUNNER	1981-95	22R, 22R-E, 22R-TE	C0140-00123*	C0140-00069	Front R.H.S.	6/12
	1988-95	3VZ-E	C0140-00110*	C0140-00767	2nd from front L.H.S.	5-6
TUNDRA	2000-2004	5VZ-FE	C0140-01134*	C0140-07446	Rear, L.H.S.	11-12
TUNDRA	2000-2009	2UZ-FE V8, 4.7L	C0140-03400*	C0140-00070	R.H.S. 2nd Front	6

TUNDRA	2007-2010	3UR-FE, V8, 5.7L	PU140-00900	PU140-03571	L.H.S. Rear Release the front propeller shaft on the transmission side in order to gain access to the core hole. Coat core hole and cartridge heater (body only, not terminals) with NSCG silicone grease G-624 to ensure good temperature transfer, and prevent moisture (salt splash) from entering hole. Route cord up along the firewall and away from the EGR pipe on driver side following OE wire harness routing to the front. Avoid any interference with any moving parts and away from exhaust and hot parts. Please refer to Toyota on-line installation instruction for details.	Cord comes out of heater at 1 O'clock	9
TUNDRA	2010	1UR-FE, V8, 4.6L	PU140-00900	PU140-03571	L.H.S. Rear Release the front propeller shaft on the transmission side in order to gain access to the core hole. Coat core hole and cartridge heater (body only, not terminals) with NSCG silicone grease G-624 to ensure good temperature transfer, and prevent moisture (salt splash) from entering hole. Route cord up along the firewall and away from the EGR pipe on driver side following OE wire harness routing to the front. Avoid any interference with any moving parts and away from exhaust and hot parts. Please refer to Toyota on-line installation instruction for details.	Cord comes out of heater at 1 O'clock	9
T100	1994	3VZ-E	C0140-02110*	C0140-07444	L.H.S. 2nd from front. Remove left front wheel if necessary. Route cord set down around engine mount, towards front of vehicle. Keep cordset away from hot and moving parts.		7
	1995-98	5VZ-FE	C0140-01134*	C0140-07446	Rear, L.H.S. Use nylon ties to attach cord to wire harness to avoid steering shaft. Route corset between battery and fuse box to avoid alternator. Bring cord around battery and down through front bumper opening.		6
VAN	1984-89	3YE, 4YE	C0140-00142*	C0140-02898	Rear L.H.S. Use straps to keep cord away from exhaust & moving parts		9 turn to 12
VENZA	2009 - 2010	1AR-FE, L4, 2.7L	PU140-00900	PU140-03571	L.H.S. above transmission bell Coat core hole and cartridge heater (body only, not terminals) with NSCG silicone grease G-624 to ensure good temperature transfer, and prevent moisture (salt splash) from entering hole. Remove plastic engine wiring cover and air filter box. Install the heater on the left side of engine. The clip direction is 3 o'clock and the socket come out of heater at 9 o'clock. Route the cord up and along driver side to the front. Avoid any interference with any moving parts and away from exhaust and hot parts. Re-install plastic engine wiring cover and air filter box. Please refer to Toyota on-line installation instruction for details.	Cord comes out of heater at 9 o'clock	3
VENZA	2009 - 2010	2GR-FE, V6, 3.5L	PU140-00900	PU140-03571	Rear, L.H.S. Coat core hole and cartridge heater (body only, not terminals) with NSCG silicone grease G-624 to ensure good temperature transfer, and prevent moisture (salt splash) from entering hole. Put the car on a hoist. Remove the engine undercover. Use special flexible four claw pick-up (length 60 cm) to clamp on the clip of the heater to insert the rear core hole. The clip direction is 10 o'clock and the socket come out of heater at 10 o'clock. Route the cord up and along driver side to the front. Avoid any interference with any moving parts and away from exhaust and hot parts. Re-install the engine undercover. Please refer to Toyota on-line installation instruction for details.	Cord comes out of heater at 10 o'clock	10
YARIS SEDAN & HATCHBACK (AUTOMATIC)	2006-2010	1NZ-FE L4, 1.5L	PU140-00900	PU140-03571	Rear L.H.S. Route cord forward. Tie cord to main engine harness and cylinder head ventilation hose running along right hand side of battery. Route cord in front of battery and tie cord to fuse box harness.		3

YARIS SEDAN & HATCHBACK (MANUAL)	2006- 2010	1NZ-FE L4, 1.5L	C0140-00885	C0140- 00888	Rear L.H.S. Manual transmission - remove clutch bracket by removing three bolts in order to access the hole for block heater. Re-assemble the clutch bracket with three bolts after installation. Route cord forward. Tie cord to main engine harness and cylinder head ventilation hose running along right hand side of battery. Route cord in front of battery and tie cord to fuse box harness.	3
4 RUNNER 4X4	1996- 2001	5VZ-FE	C0140-02134*	C0140- 02900	Rear L.H.S. Route cord to front and tie cordset to power steering cooler hose and sub-frame of radiator with straps provided.	6
	1996- 99	3RZ-FE	C0140-02141*	C0140- 01791	Front L.H.S. Route cordset to front and tie cordset to power steering pump outlet hose and power steering cooler hose with straps provided.	9
4 RUNNER (V8)	2003- 2009	2UZ-FE V8, 4.7L	C0140-00134*	C0140- 00070	R.H.S. 2nd from front. Route harness by A/T cooler lines, around radiator on passenger side next to power steering lines and out at lower bumper opening.	2
4 RUNNER (V6)	2003- 2009	1GR-FE V6, 3.5L	PU140-00900	PU140- 03571	Left side rear. Route cord up and tie the cord to the heater hose with a strap. Route the cord forward and go behind both the left hand side rear and front brackets attaching to the manifold and the cylinder head. Tie the cord to the rear bracket with a strap. CAUTION: KEEP THE CORD AWAY FROM THE FUEL LINE. Route the cord between the front bracket and the engine oil fill pipe and to the front. Tie the cord to the RPM harness, the battery cable and the transmission cooling line	9

**NOTE:**

Location of frost plug hole is determined from inside vehicle driver's seat position.

**IMPORTANT**

Deburr chamfer around core hole and use liberal amount of "O" ring lubricant provided on "O"-ring and machined surface on hole. For models using cartridge heater, coat core hole and cartridge heater (body only, not terminals) with NSCG silicone grease G-624 before install heater.

Route the cord and secure with cable ties to avoid any interference with any moving parts and away from exhaust and hot parts.

**NOTE:**

Each time you unplug the heater, put the protective cap on the plug