

COOLING SYSTEM ADAPTERS  
APPLICATIONS

Superseded Numbers:

FZ 32 = FZ 32 A  
FZ 33 A = FZ 36  
FZ 35 = FZ 35 A

### Misc. Machines

MANUFACTURER	MODEL	MODEL YEAR	TESTED	TOOL NO#
Merc Cruiser (Boat)	496 motor	'03?		FZ 35 A?; tried by S-O Dealer
Yanmar	Marine Diesel	?	09/05	FZ 128 / cap adapter FZ 29

### Motorcycles

MANUFACTURER	MODEL	MODEL YEAR	TESTED	TOOL NO#
Asian Models	All			Either "Stant Standard" or FZ 128

### Big Trucks

MANUFACTURER	MODEL	MODEL YEAR	TESTED	TOOL NO#
FORD	Sterling	2005	05/05	FZ 35 A (confirmed by tool dealer)
FREIGHTLINER	Diesel truck	2004		FZ 35 A (confirmed by tool dealer)
INTERNATIONAL	SCHOOLBUS W/466 MTR.	'95, '96	PER CUST.	FZ 32 A
INTERNATIONAL	4300 Series W/466 motor, Matco Tool truck	02	02/02	FZ 32 A
KENWORTH		2007		FZ 22? Tool dealer will test
STERLING TRUCK	(Heavy Duty, part of Freightliner)	2004	01/05	FZ 35 A (52 x 2.5 buttress)
VOLVO Truck	VN 430 VIN#375679	'05	07/04	FZ 22 (48x3) fits both caps. See separate document
VOLVO Truck	670 (UNL 64T) (VED 12)	'05	01/06	FZ 22 fits both caps. Tested by tool dealer
VOLVO Truck	With 47x3mm threads on secondary filler neck.			FZ 25 (47x3)
VOLVO Truck	With 63x3mm threads on filler neck.			FZ 27 (63x3)

### Cars & Small Trucks

MANUFACTURER	MODEL	MODEL YEAR	TESTED	TOOL NO#
ACURA	Integra	'91-'93		FZ 128
ACURA	Integra	'94-'99		FZ 138
ACURA	Legend	'91-'96		FZ 138

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MANUFACTURER	MODEL	MODEL YEAR	TESTED	TOOL NO#
AUDI	Models w/ male threads on filler neck of exp. tank			FZ 22
AUDI	A4	'96-'03	08/97	FZ 41
AUDI	A4 1.8T (new body)	2002	02/03	FZ 41
AUDI	A4 Wagon 2.0T	2007	10-06	FZ 41
AUDI	A6	'98	08/97	FZ 41
AUDI	A6 Sedan V6 30v	2002	02/03	FZ 41
AUDI	A6 (new 2005 Body) 3.2 liter	2005	11/05	FZ 41
AUDI	A6 Wagon	2006	02/06	FZ 41
AUDI	A3 (all new 2006 model)	2006	06/05	FZ 41
AUDI	Allroad	'01	07/02	FZ 41
AUDI	Allroad	10/02 '03	02/03	FZ 41, FZ 42
AUDI	TT	'01	10/01	FZ 41
AUDI	S8	'01	09/03	FZ 22 FZ 23
AUDI	A8	'99	09/03	FZ 22 FZ 23
BENTLEY	Bentley Arnage	2000-03	09/03	FZ34 & BMW 246 A
BMW	740 I, V-8	'95	02/95	BMW 345
BMW	328 I	'96	02/96	BMW 345
BMW	330xi	'03	03/03	BMW 345
BMW	325	'04	01/04	BMW 345
BMW	Z4 (E85)	'03	01/04	BMW 345
BMW	745 (E65)	'02-'04'	10/04	BMW 345 MA checked an '02' and '04' model, both were 745's
BMW	07/96 540 (E39)	'97	01/97	BMW 345
BMW	New 5 Series New 6 Series (E60, E63 & E64)	'04	10/04	BMW 350 Tank Adapter
BMW	5 Series (E60)	'06	07/06	BMW 350 Tank Adapter
BMW	6 Series (E63)	'06	10/06	BMW 350
BMW	2006 new 3 series (E90)	'06	05/05	BMW 350 ma tested and pressurized.
BMW	07/99 323	'99	08/99	BMW 345
BMW	740 (E38)	'00	10/01	BMW 345
BMW	Z8	'01	10/01	BMW 345
BMW	7 Series	2006		BMW 345
BMW	X5	'05-'06	06/05	BMW 345
BMW	X3	'05-'06	06/05	BMW 345
BUICK	SKYLARK	'94	02/94	FZ 32 A, FZ 33 A
CADILLAC	CATERA	'97 (Catera model years are 97-01)	02/04	FZ 32 A (MA tested at local dealer. O.D. of post of FZ35A is about .050 too large) Use FZ 32 A
CADILLAC	CATERA	'01 (Catera model years are 97-01)	01/04	FZ 32 (FZ 35A won't work; according to tool dealer.) Use FZ 32 A
CADILLAC	CTS (successor to Catera)	'03 (first pro year)	02/04	FZ 35 A
CADILLAC	FLEETWOOD	'94, '95		FZ 32 A
CADILLAC	DeVille	'00 and 01	01/04	Standard neck
CADILLAC	SeVille	'03	01/04	FZ 35 A
CHEVY	BERETTA W/3.1	'95	06/95	FZ 32, FZ 33A
CHEVY	BERETTA	'92	06/95	FZ 32, FZ 33 A
CHEVY	CAVALIER, 2.2 LTR.	'95	03/95	FZ 32 A
CHEVY	Cobalt	2005	06/05	FZ 35 A
CHEVY	Impala V6	2001	02/03	Standard neck
CHEVY	Impala	2005	06/05	FZ 35 A
CHEVY	SILVERADO TRUCK	'99	10/98	FZ 35

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MANUFACTURER	MODEL	MODEL YEAR	TESTED	TOOL NO#
CHEVY	SILVERADO TRUCK	2002	02/03	FZ 35 (M.W.'s truck)
CHEVY	SILVERADO TRUCK LS 6.0 V8	2003	02/03	FZ 35
CHEVY	SILVERADO TRUCK	2005	06/05	FZ 35 A
CHEVY	Suburban V8	2003	02/03	FZ 35
CHEVY	Tahoe	2003-2005	02/03	FZ 35 A MA tested 2005
CHEVY	Trailblazer	2002	02/03	FZ 35? RT's SUV
COOPER	Cooper S (supercharged) R53	02?	10/02	FZ 25 (AST has tank & cap)
COOPER	Cooper R50 motor	02?	10/02	Standard Neck
DODGE	DAKOTA	01	10/01	Standard Neck
DODGE	SPRINTER with Diesel Motor	05	07/05	Standard Neck
DODGE	RAM P.U.	01	12/00	Standard Neck
FORD	CONTOUR W/2.0,2.5	'95	02/95	FZ 34, BMW 246 A
FORD	CONTOUR 10/97 and newer	'98	09/98	FZ 37
FORD	CROWN VICT.	'94	10/94	FZ 32 A
FORD	CROWN VICT.	2003	02/03	FZ 32 A
FORD	ECONOLINE VAN	'03	08/03	FZ 32 A
FORD	Escape	2001 4cyl.	04/01	FZ 37
FORD	ESCAPE	'03	08/03	FZ 37
FORD	Escape	'04 and '05	12/03	FZ 37
FORD	ESCORT	'95	05/95	FZ 128
FORD	ESCORT LX -SEE *	'97	11/96	FZ 128
FORD	Excursion (Turbo Diesel)	2003	02/03	FZ 32 A
FORD	EXPEDITION	'03-'07	08/03 MA sent to Ford for test on 07'	FZ 32 A
FORD	EXPLORER	'95	02/95	FZ 128, FZ 29
FORD	Checked V8 and V6 EXPLORER (new body for 02)	'02 & 03	09/01	FZ 32 A
FORD	EXPLORER	'05	9/28/05	FZ 35 A OR FZ 32 A
FORD	Explorer Sport Trac	'04	12/03	FZ 128
FORD	EXPLORER	'04	12/03	FZ 35 A
FORD	Freestyle	2005	06/05	FZ 35 A or FZ 32 A
FORD	F-SERIES W/7.3 DIESEL	'95, '96	05/95	FZ 32
FORD	F-SERIES 7.3 T-D	'95, '96	01/96	FZ 32 A
FORD	F150 PICKUP	'97	11/96	FZ 32 A
FORD	F-Series	'03	08/03	FZ 32 A
FORD	F150	'04 and '05	08/03	FZ 32 A or FZ 35 A
FORD	FIVE HUNDRED	'05	08/05	FZ 32 A
FORD	FOCUS (tested 2000, 01 and 2003)	00-03	09/01 08/03	FZ 34
FORD	FOCUS	2006	08/05	FZ 32 A
FORD	Mustang	1996-current	12/05	FZ 32 A
FORD	Ranger	2003	02/03	FZ 128
FORD	TAURUS	'96	11/95	FZ 32 A
FORD	TAURUS GL & LX	'97	05/97	FZ 32 A
FORD	TAURUS 12 V	'01	9/00	FZ 32 A
FORD	TAURUS 12V	'99	9/00	FZ 32 A
FORD	TAURUS 24V	'00	9/00	FZ 32 A
FORD	TAURUS	2003	02/03	FZ 32 A
FORD	TAURUS V6	2004-2006	02/03	FZ 32 A or FZ 35 A (ma tested 2006 model in June 05)
FORD	THUNDERBIRD 4.6, V-8	'95	03/95	FZ 32 A, FZ 33 A
FORD	THUNDERBIRD	'03 (Retro)	08/03	FZ 32 A
FORD	WINDSTAR	'95, '96	12/95	FZ 128
FORD	WINDSTAR	'02-'03	08/03	FZ 32 A
GMC	1500 PICKUP	'00	11/00	FZ 35

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MANUFACTURER	MODEL	MODEL YEAR	TESTED	TOOL NO#
GMC	2500 pick up Heavy Duty	'02	09/01	FZ 35
GMC	Envoy 4.2 6cyl	02	09/01	FZ 35
GMC	Sierra Pickup	00	05/00	FZ 35
GMC	Sierra Pickup with Duramax (turbo diesel)	'03	02/04	FZ 35 A
HONDA	ACCORD EX V-TEC	'94	02/95	FZ 138
HONDA	ACCORD V6	2005	06/05	FZ 138
HONDA	CIVIC EX V-TEC	'95	02/95	FZ 138
HONDA	ACCORD 4 CYL	'97	05/97	FZ 138
HONDA	CIVIC	'97	07/97	FZ 138 w 1/32" GASKET
HONDA	CIVIC	2003-2005	06/05	FZ 138
HONDA	CIVIC Hybrid	2004	03/05	FZ 138
HONDA	Odyssey	2001	02/03	FZ 138 w 1/32" GASKET
HONDA	Pilot (V6)	2003-2005	06/05	FZ 138
HYUNDAI	ELANTRA	'01	9/28/05	FZ 128
ISUZU	Rodeo (V6)	'01	06/03	FZ 128 w 1/32" Gasket
JAGUAR	XK8 & XJ8 (convert. & sedan)	98-2001	0102	FZ 37
JAGUAR	New X type 2.5 V6	02 & 03	06/04	FZ 37
JAGUAR	2000 and 2003 S Type	00 & 03	06/04	FZ 32 A or FZ 35 A
JEEP	Liberty 3.7 V6	02	07/03	Standard Neck
LAMBORGHINI	MERCEALOGO	07	04/07	FZ 22
LAND ROVER	DISCOVERY	'00	PER CUST.	
LAND ROVER	DISCOVERY Series 1 **	98'	Mar 04	FZ 34
LAND ROVER	DISCOVERY Series 2 **	02'	Mar 04	BMW 345
LAND ROVER	Freelander	02-04	Jan 02	FZ 25 for stock tank / If either the tank has been replaced with small "volleyball" tank FZ 32 A or FZ 35 A will be necessary
LAND ROVER	RANGE ROVER 4.0 AND 4.6	'95, '96	04/96	BMW 345
LAND ROVER	Range Rover w/4.4 liter	04'	Mar 04	BMW 345
LAND ROVER	Range Rover w/4.0 or 4.6	98'	Mar 04	BMW 345
LAND ROVER	LR3	'05 and newer	April 07	FZ 32 A or FZ 35 A
LAND ROVER	Range Rover Sport	06 and newer	April 07	FZ 32 A or FZ 35 A
LAND ROVER	Free Lander	2005 only	April 07	FZ 32 A or FZ 35 A
LEXUS	RX 300 (SUV)	00	07/00	FZ 138 4 Gaskets is tight fit.
MAZDA	Mazda 3	'04	05/04	FZ 47
MAZDA	Mazda 3	'06	09/05	FZ 47
MAZDA	MAZDA 6 (4 cylinder)	'04	02/04	FZ 128 w/3 gaskets
MAZDA	PROTEGE W/1.5 LTR.	'95	04/96	FZ 138
MAZDA	PROTÉGÉ with <b>Standard</b> transmission	'00 and '01	09/01	FZ 138/FZ39 test done based on cap. Purchased this cap.
MAZDA	PROTÉGÉ with <b>Automatic</b> transmission	'00 and '01	09/01	FZ 128/FZ29 based on cap.
MAZDA	Protégé 5 with Standard trans 2.0 Liter	02'	08/05	FZ 138
MAZDA	Tribute (V6)	'04	06/04	FZ 37
MAZDA	Mazda 5	'07	02/06	FZ 138
MERCEDES	M CLASS (163)	'98	11/97	FZ 32 A
MERCEDES	E 420	'97	11/97	M 0349
MERCEDES	E 320	'98	11/97	M 0349
MERCEDES	C 320	01	09/00	M 0349

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MANUFACTURER	MODEL	MODEL YEAR	TESTED	TOOL NO#
MERCEDES	C320 (new 203 body)	01 (07/00) production	02/01	M 0349 (Cap Part# 210 501 05 15)
MERCEDES	C240	02	02/02	M 0349
MERCEDES	CLK 320	00		M 0349 (Gunbarrel)
MERCEDES	G500 (Gelandewagen)	02	12/03	M 0349
MERCEDES	SL 500 (230 body)	04	06/05	M 0349
MERCEDES	E 500 (211 body)	04	06/05	M 0349
MERCEDES	ML 350 (New 164 body)	2006	06/05	M 0349
MERCEDES	ML 350	2006	04/06	M 0349
MERCEDES	E 320 CDI	2006	04/06	M 0349
MERCEDES	R 500	2006	04/06	M 0349
MERCURY	MYSTIQUE W/2.0,2.5	'95	03/95	FZ 34, BMW 246 A
MERCURY	MYSTIQUE W/2.0,2.5 10/97 and newer		03/95	FZ 37
MERCURY	COUGAR	'95	09/95	FZ 32 A
MERCURY	COUGAR	'99	11/02	FZ 37
MERCURY	SABLE	'96	11/95	FZ 32 A
MITSUBISHI	GALANT	'94	02/94	FZ 138
MITSUBISHI	GALANT	2003	02/03	FZ 138
MITSUBISHI	OUTLANDER (4cyl.)	2004	10/03	FZ 128
MITSUBISHI	Eclipse Spyder 3.0	2002	02/04	FZ 138
LINCOLN	NAVIGATOR	98	09/01	FZ 32 A
NISSAN	TITAN	2004	03/04	FZ 32 A and FZ 35 A MA verified
NISSAN	Sentra	2000	03/04	FZ 128
NISSAN	Armada	2005	06/06	FZ 32 A
NISSAN	Maxima	2000	03/04	FZ 128
NISSAN	Frontier v6	2004-2005	03/04	FZ 128
NISSAN	Maxima	2004	03/04	FZ 128
NISSAN	Sentra	2004	03/04	FZ 128
NISSAN	Quest	2004	03/04	FZ 128
NISSAN	350 Z	2004	03/04	FZ 128
NISSAN	Murano	2004	03/04	FZ 128
NISSAN	X-terra	2004	03/04	FZ 128
NISSAN	Altima	2006	03/06	FZ 128
OLDSMOBILE	ACHIEVA	'94	02/94	FZ 32 A, FZ 33 A
OLDSMOBILE	AURORA	97 (2/97)	09/01	FZ 32 A
OLDSMOBILE	AURORA	'98	06/98	FZ 32 A
PONTIAC	GRAND AM	'99	12/98	FZ 35
PONTIAC	Grand Prix 3.1 V6	'01	09/01	Standard Neck
PONTIAC	G6 (3.5 V6)	'05	09/06	FZ 35 A
PORSCHE	911	'01	10/01Russ	FZ 22 , modified FZ 23
PORSCHE	911	'00	09/03	FZ 22 , modified FZ 23
PORSCHE	911	99	09/03	FZ 22, modified FZ 23
PORSCHE	BOXSTER	'03	09/03	FZ 22, modified FZ 23
PORSCHE	Cayenne		2003	FZ 41 acc to measurements by Jim Polcaster's customer
SAAB	9000	'95, '96	09/97	FZ 25
SAAB	9 3 new body sports sedan	'03 & '04'	10/03	FZ 35 A (52X2.5 Buttress)
SATURN	LS 6 CYLINDER	'00	06/00	FZ 34
SATURN	SEDAN SL	'96	07/96	FZ 32 A
SATURN	VUE	2003	03/03	FZ 35 (Russ checked at dealer)
SATURN	Ion	2005	05/05	FZ 35 A (32 will NOT work)
SUBARU	Outback 4cyl. And Legacy	'99-'05	06/05	FZ 128 (must be 4 cylinders)
SUBARU	Outback 4cyl.	'99-'06	7/06	FZ 128
SUBARU	Outback radiator cap in-house,	2002	02/03	FZ 29 (FZ 128 for cooling)

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MANUFACTURER	MODEL	MODEL YEAR	TESTED	TOOL NO#
	2001 uses same p/n			system)
SUBARU	Outback (Matt's)	2003	2003	FZ 128
SUBARU	Outback 6 cyl.	'05	06/05	FZ 138
SUBARU	Tribeca B9	'06	06/05	FZ 138
SUBARU	Impreza WRX STi	'06	07/06	FZ 128
TOYOTA	AVALON	'98	12/97	FZ 128 LESS 1 GASKET
TOYOTA	AVALON	2003	02/03	FZ 128 LESS 1 GASKET
TOYOTA	Corolla	'91	02/03	FZ 128
TOYOTA	Corolla	'98	12/97	FZ 138
TOYOTA	Corolla	2001	02/03	FZ 138 with 1/32 gasket
TOYOTA	Corolla S	2007	10/06	FZ 138
TOYOTA	T100 W3.4L	'95	05/95	FZ 128 W/1/32 GASKET
TOYOTA	Solara with V6	'02	09/01	FZ 128 with 1/32 Gasket
TOYOTA	Camry with V6	'02	09/01	FZ 128 with 1/32 Gasket
TOYOTA	Camry with V6	2003-2005	05/05	FZ 128 less 1 gasket. ma tested 2005 also. casting seemed slightly different on 05. FZ 128 did not go on quite as well.
TOYOTA	Camry with 4cyl	'02	09/01	FZ 138
TOYOTA	Camry	'07	09/06	FZ 138
TOYOTA	4 Runner with 6 cyl	'01	09/01	FZ 138
TOYOTA	4 Runner with 8 cyl	2003-2005	05/05	FZ 138 less 1 gasket. ma tested 2005 also.
TOYOTA	Highlander	'01	10/01	FZ 138
TOYOTA	Matrix	2003	02/03	FZ 138 less 1 gasket
TOYOTA	Prius (see note below)	'01	09/01	not enough access*/ FZ 148
TOYOTA	Prius	'02	02/03	FZ 148
TOYOTA	Prius	'03	02/03	FZ 148
TOYOTA	Prius	'05	02/03	FZ 148 Ric checked
TOYOTA	RAV 4 (4 cylinder)	'06	08/06	FZ 148
TOYOTA	Sequoia	'01 or 02?	Jan02	FZ 138
TOYOTA	Sequoia V-8	2001	02/03	FZ 138 with 1/32 gasket
TOYOTA	Sienna	'02	09/01	FZ 128 with 1/32 gasket
TOYOTA	Tundra V8 and V6	'02	04/02	FZ 138
TOYOTA	Tundra (Chris at Toyota)	'00	04/02	FZ 138
TOYOTA	Tacoma V6	'02	04/02	FZ 128
TOYOTA	FJ Cruiser	'07	08/06	FZ 138
TOYOTA	Tacoma V6	'06	08/06	FZ 138
VOLVO	850	'95	02/95	FZ 25, FZ 26
VOLVO	S 40	'01	09/01	FZ 25
VOLVO	S 40 (original 40 series body)	'04	02/04	FZ 25
VOLVO	S 40 (new 40 series body)	'04 (first models still sold as 04)	02/04	FZ 47 (ma tested July 04)
VOLVO	V 50	'05	06/05	FZ 47
VOLVO	S 60	'01	02/04	FZ 25
VOLVO	XC 90	'04	06/04	FZ 25
VOLVO	XC 70	'04 and '05	06/05	FZ 25
VOLVO	S 60	'04	07/04	FZ 25
VW	EUROVAN	'93	05/95	FZ 30, FZ 31
VW	Golf	99-04		FZ 41
VW	PASSAT	'98	10/97	FZ 41
VW	BEETLE	'99	10/98	FZ 41
VW	PASSAT V6	'01	09/01	FZ 41
VW	PASSAT V6	'02	04/02	FZ 41
VW	Touareg V6	'04	12/03	FZ 41
VW	Jetta 1.8T	'04	12/03	FZ 41

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MANUFACTURER	MODEL	MODEL YEAR	TESTED	TOOL NO#
VW	Passat V6	'04	12/03	FZ 41
Yanmar	Marine Diesel	?	09/05	FZ 128 / cap adapter FZ 29

\*OVERFLOW TANK DOESN'T HAVE THREADED NECK

**FZ 37/FZ35 Note:** Tested FZ 35 and FZ 37 on 2000 GMC Sierra. FZ 35 is the correct adapter. The FZ 37 will work, however the thread OD and pitch of the tank are .5MM different than FZ 37 threads. FZ 37 feels like it is cross threading.

**Toyota Prius:** There is one plastic tank that the FZ 148 will fit. The radiator itself would normally require the FZ 138. The location of the fill neck and stop tabs for the radiator cap however, prohibit the FZ 138 from turning on to the neck. In March 05', Ric checked the Prius  
He pressurized the system through the FZ 148 successfully.

**LAND ROVER** Series 1 Discovery ran 95-mid 99. Series 2 Discovery runs mid 99 and newer.