



Weatherly #002  
NCH33  
August 1, 2005

# *VISION™* *CYLINDER HEADS*

*All New Valves*

*Pre-Qualified Core™  
or New Cylinder  
Head Castings*



*Micro Finished  
with CNC  
Fanuc Robotics*



**IMPORT AND  
DOMESTIC**



# VISION™ CYLINDER HEADS

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### Order Entry & Tech Support

Toll Free **800-655-3951**

**FREE** *Delivery is included with all Hi-Tech/  
NAPA Vision Cylinder Heads.*

*(within the continental U.S.)  
Overnight delivery for  
\$25 extra per head*



## Warranty

### Hi-Tech Vision Cylinder Heads (HTH)

Hi-Tech Vision Cylinder Heads are warranted against defects in workmanship and materials for a period of ONE YEAR, when used under normal operating conditions. Sufficient description of the involved warranty problem will be required on Hi-Tech Engine Components' Warranty Inspection Request Form. Hi-Tech Customer Service must be contacted for Alleged Defective Returned Goods Authorization. Hi-Tech Customer Service: 1(800)-655-3951.

In the unlikely event of product failure, the manufacturer's obligation is limited to replacement of the product only. Labor costs for removal and reinstallation are not included. In the event of a return, the original purchase receipt must accompany the product.

The manufacturer is not responsible for any damages resulting directly or indirectly from the use of this product.

Warranty only applies to the vehicle where the product was originally installed, and is not transferable to another owner or vehicle.

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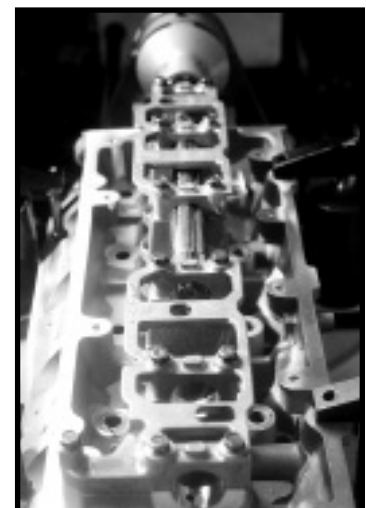
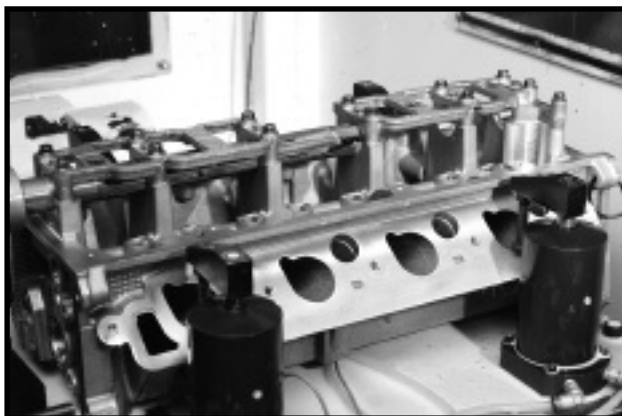
# Don't risk your reputation and profits selling inferior cylinder heads.



## Computer Numeric Controlled (CNC)

Machining centers control specifications to within one micron.

**Hi-Tech heads are factory built to the blueprint specifications and then tested before they ever leave the manufacturing plant.**



05-039



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**800-655-3951**



# VISION™ CYLINDER HEADS

**New Valves**

100% new valves and valve keepers

**Entire Cylinder Head**

Entire surface is cleaned, blasted and polished to the new original appearance.

**New Plugs**

All soft and threaded plugs are replaced with new plugs.

**Micro-Finished**

Deck surface of the head is micro-finished from .5 to 1.2 micron RA.

**Quality Packaging**

Heads are wrapped in moisture absorbing paper, protected with foam encapsulation and packaged in full graphic display boxing.

**Quality Inspection**

Seats and guides are replaced as needed.

**Exhaust Manifold**

Sealing surface is micro-finished using FANUC/CNC robotics.

**Springs**

Tested within the new pressure spec or are replaced

**Intake Manifold**

Mating surface is restored by CNC finishing.

**Blueprint Tolerance**

After assembly, each chamber is 100% vacuum tested to assure blueprint tolerances are met.

## Pre-Qualified or New Castings

### Hi-Tech Vision™ Cylinder Heads feature Pre-Qualified Cores

Before any work begins, each cylinder head is inspected for cracks, damage threads and deck dimensions. Cylinder head cores that do not meet the Hi-Tech Vision standards are not used. For example, if the combustion chamber is cracked, it is replaced with a new casting. Hi-Tech does not weld-repair any cracked combustion chambers because the process increases the potential for both short and long term failures. To further insure like new performance and durability, Hi-Tech also installs 100% new valves in every head. With up to 15 hours of shop time required to replace a pair of heads, don't take a chance by using or selling inferior quality product. Choose the *No Risk™ Vision Cylinder Head* by Hi-Tech.

Help all your NAPA store customers build longer lasting and better performing engines by recommending Hi-Tech Vision Cylinder Heads.



Order Entry & Tech Support  
Now Available Six Days a Week

# 800-655-3951

# Hi-Tech Vision Cylinder Heads



Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>ACURA 1.6L/1590cc L4 (Honda eng.)</b>						
1989-88; D16A1; DOHC; 16 Valve; 2 Bolt Holes for Cam Sensor; Integra	HA8039			HA8039C		
1987-86; D16A1; DOHC; 16 Valve; 3 Bolt Holes for Cam Sensor; Integra	HA8012			HA8012C		
<b>ACURA 1.7L/1678cc L4 (Honda eng.)</b>						
1993-92; B17A1; DOHC; 16 Valve; Integra GSR	HA8028			HA8028C		
<b>ACURA 1.8L/1797cc L4 (Honda eng.)</b>						
2001-94; B18C1; DOHC; 16 Valve; VTEC; Integra GSR	HA8029			HA8029C		
<b>ACURA 1.8L/1834cc L4 (Honda eng.)</b>						
2000-94; B18B1; DOHC; 16 Valve; Not VTEC; Integra GS, LS, RS	HA8019			HA8019C		
1993-90; B18A1; DOHC; 16 Valve; Not VTEC; Integra GS, LS, RS	HA8027			HA8027C		
<b>ACURA 2.2L/2156cc L4 (Honda eng.)</b>						
1997; F22B1; SOHC; 16 Valve; VTEC; CL	HA8030			HA8030C		
<b>ACURA 2.3L/2254cc L4 (Honda eng.)</b>						
1999-98; F23A1; SOHC; 16 Valve; VTEC; CL	HA8044			HA8044C		
<b>ACURA 2.5L/2451cc L5 (Honda eng.)</b>						
1998-95; G25A4; SOHC; 20 Valve; w/Cam Sensor in Head; TL	HA8046			HA8046C		
1994-91; G25A1; SOHC; 20 Valve; Vigor	HA8045			HA8045C		
<b>ACURA 2.5L/2494cc V6 (Honda eng.)</b>						
1988-86; C25A1; SOHC; 24 Valve; 87-86 Legend, 88-87 Sterling		HA8047L	HA8048R		HA8047LC	HA8048RC
<b>ACURA 2.7L/2675cc V6 (Honda eng.)</b>						
1990-87; C27A1; SOHC; 24 Valve; Legend, Sterling		HA8049L	HA8050R		HA8049LC	HA8050RC
<b>ACURA 3.0L/2977cc V6 (Honda eng.)</b>						
2000-91; C30A1; DOHC; 24 Valve; NSX		HA8055L	HA8056R		HA8055LC	HA8056RC
<b>ACURA 3.0L/2998cc V6 (Honda eng.)</b>						
1999-97; J30A1; SOHC; 24 Valve; VTEC; CL		HA8057L	HA8058R		HA8057LC	HA8058RC
<b>ACURA 3.2L/3165cc V6 (Isuzu eng.)</b>						
1997-96; 6VD1; SOHC; 24 Valve; SLX		HA5818L	HA5821R		HA5818LC	HA5821RC
<b>ACURA 3.2L/3196cc V6 (Honda eng.)</b>						
1999-97; C32B1; DOHC; 24 Valve; VTEC; NSX, NSX-T		HA8063L	HA8064R		HA8063LC	HA8064RC
<b>ACURA 3.2L/3206cc V6 (Honda eng.)</b>						
1998-97; C32A6; SOHC; 24 Valve; TL		HA8059L	HA8060R		HA8059LC	HA8060RC
1995-93; C32A1; SOHC; 24 Valve; Legend GS		HA8053L	HA8054R		HA8053LC	HA8054RC
1995-91; C32A1; SOHC; 24 Valve; Legend TL		HA8051L	HA8052R		HA8051LC	HA8052RC
<b>ACURA 3.5L/3474cc V6 (Honda eng.)</b>						
2000-96; C35A1; SOHC; 24 Valve; RL		HA8065L	HA8066R		HA8065LC	HA8066RC
<b>ACURA 3.5L/3494cc V6 (Isuzu eng.)</b>						
1999-98; 6VE1; DOHC; 24 Valve; SLX		HA5828L	HA5827R		HA5828LC	HA5827RC
<b>AMC/JEEP 2.5L/150 L4 (AMC eng.)</b>						
2000-96; Vin H, P; w/1/2" Head Bolts; w/FI	HA6021					
1996-86; Vin H, P, U; w/1/2" Head Bolts; w/Carb. or FI	HA6001					
1987-83; Vin U; w/7/16" Head Bolts; w/Carb.; Oval Combustion Chamber	HA6000					
1987-83; Vin U; w/7/16" Head Bolts; w/Carb.; D-Shaped Combustion Chamber	HA6020					
<b>AMC/JEEP 2.5L/151 L4 (Pontiac eng.)</b>						
1983-80; Vin B; RWD; w/Smog	HA4003					
1983-80; Vin B; RWD; w/o Smog	HA4004					
<b>AMC/JEEP 2.8L/173 V6 (Chevrolet eng.)</b>						
1986-85; Vin W; RWD; w/Carb.	HA1031					
1984; Vin W; RWD; w/Carb.	HA1133					
<b>AMC/JEEP 3.7L/225 V6 (Buick eng.)</b>						
1969-65; w/Odd Fire	HA5000					
<b>AMC/JEEP 3.7L/226 V6 (Chrysler eng.)</b>						
2004-02; Vin K; SOHC; EFI; RWD, 4WD; Aluminum; Liberty	HA3051			HA3051C		

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# Hi-Tech Vision Cylinder Heads



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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>AMC/JEEP 3.8L/232 L6 (AMC eng.)</b>						
1980-76; Rocker Studs; High Mount Accessory Holes	HA6004					
1975-72; Rocker Studs; Low Mount Accessory Holes	HA6003					
1972-64; Rocker Shaft	HA6002					
<b>AMC/JEEP 4.0L/242 L6 (AMC eng.)</b>						
2004-99; Vin S; Jeep	HA6017					
2000-96; Vin S; Small Injector Ports; Jeep	HA6010					
1995-91; Vin S; Small Injector Ports; Jeep	HA6009					
1990-87; Vin L, M; Large Injector Ports; Jeep	HA6008					
<b>AMC/JEEP 4.2L/258 L6 (AMC eng.)</b>						
1990-87; Vin C; w/1/2" Head Bolts; 15 Bolt Aluminum Valve Cover; Temp Sender in Head	HA6007					
1987-86; Vin C; w/1/2" Head Bolt Holes; 2 Center Bolt Plastic Valve Cover	HA6006					
1985-83; Vin C; 7 Holes Around Outer Valve Cover, 2 Center	HA6019					
1985-81; Vin C; Center Valve Cover Bolts; 7/16" Head Bolts	HA6005					
1980; Vin C; OHV	HA6018					
1979-76; Vin A, C; Rocker Studs; High Mount Accessory Holes	HA6004					
1975-72; Rocker Studs; Low Mount Accessory Holes	HA6003					
1974-70; Rocker Shaft	HA6002					
<b>AMC/JEEP 4.7L/287 V8 (Chrysler eng.)</b>						
2002-01; Vin N; SOHC; 16 Valve	HA3053			HA3053C		
2002; Vin J; SOHC; HO	HA3052			HA3052C		
2000-99; Vin N; SOHC; 16 Valve		HA3049L	HA3050R		HA3049LC	HA3050RC
<b>AMC/JEEP 5.0L/304 V8 (AMC eng.)</b>						
1983-73; Bolt Down Rocker Arms	HA6013					
1972-70; Vin H; Rocker Stud	HA6011					
<b>AMC/JEEP 5.2L/318 V8 (Chrysler eng.)</b>						
1999-93; Vin Y; Grand Cherokee	HA3047					
<b>AMC/JEEP 5.9L/360 V8 (AMC eng.)</b>						
1991-79; Vin N, 7; w/5/16" Exhaust Bolt Holes	HA6016					
1978-72; Vin N, P; w/3/8" Exhaust Bolt Holes; Bolt on Rocker Arms	HA6015					
1978-72; Vin N, P; Rocker Studs	HA6022					
1971-70; Rocker Studs	HA6012					
<b>AMC/JEEP 5.9L/360 V8 (Chrysler eng.)</b>						
1998; Vin Z; Grand Cherokee	HA3047					
<b>AMC/JEEP 6.4L/390 V8 (AMC eng.)</b>						
1970; OHV	HA6014					
<b>AMC/JEEP 6.6L/401 V8 (AMC eng.)</b>						
1978-72; Vin Z; w/3/8" Exhaust Bolts	HA6015					
1971; Rocker Studs	HA6012					
<b>BUICK (See General Motors)</b>						
<b>CADILLAC (See General Motors)</b>						
<b>CHEVROLET (See General Motors)</b>						
<b>CHEVROLET TRUCK (See General Motors)</b>						
<b>CHRYSLER 1.4L/86/1410cc L4 (Mitsubishi eng.)</b>						
1984-79; Vin J; G12B; SOHC; 8 Valve; FWD; w/Jet Valves; Champ, Colt	HA6500			HA6500C		
<b>CHRYSLER 1.5L/90/1468cc L4 (Mitsubishi eng.)</b>						
1996-93; 4G15; SOHC; 12 Valve; FWD; w/3 Power Steering Bosses on Head; Colt, Summit	HA6505			HA6505C		
1994-88; Vin A; 4G15; SOHC; 8 Valve; FWD; w/o Jet Valves; Colt, Summit	HA6537			HA6537C		
1992-90; 4G15; SOHC; 12 Valve; FWD; w/o Jet Valves; Colt, Summit; From 6/90	HA6504			HA6504C		
1988-85; G15B; SOHC; 8 Valve; FWD; w/o Jet Valves; Colt	HA6501			HA6501C		
1988-85; G15B; SOHC; 8 Valve; FWD; w/Jet Valves; Colt	HA6502			HA6502C		

# Hi-Tech Vision Cylinder Heads



-Continued

Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>CHRYSLER 1.6L/97/1595cc L4 (Mitsubishi eng.)</b>						
1990-89; 4G61T; DOHC; 16 Valve; Turbo; FWD; Colt, Summit	HA6543			HA6543C		
1990-89; 4G61; DOHC; 16 Valve; FWD; Colt, Summit	HA6542			HA6542C		
<b>CHRYSLER 1.6L/97/1597cc L4 (Mitsubishi eng.)</b>						
1989-77; G32B; SOHC; 8 Valve; RWD & FWD; w/o Jet Valves; Arrow, Champ, Colt, Sapporo	HA6511			HA6511C		
1989-77; G32B; SOHC; 8 Valve; RWD & FWD; w/Jet Valves; Arrow, Champ, Colt, Sapporo	HA6509			HA6509C		
1987-84; G32B; SOHC; 8 Valve; Turbo; Colt	HA6512			HA6512C		
<b>CHRYSLER 1.7L/105/1715cc L4 (VW eng.)</b>						
1983-78; Vin A ; SOHC; FWD; Horizon, Omni	HA7500			HA7500C		
<b>CHRYSLER 1.8L/112/1834cc L4 (Mitsubishi eng.)</b>						
1998; Vin A; 4G93; SOHC; 16 Valve; Camshaft Sensor Bolts to Head; Neon	HA6555			HA6555C		
1996-93; Vin C, D; 4G93; SOHC; 16 Valve; FWD; Cam Protrudes From Head; Colt, Colt Vista, Summit	HA6552			HA6552C		
1994-92; Vin C, D; 4G93; SOHC; 16 Valve; FWD; w/California Smog; Colt, Colt Vista, Summit	HA6554			HA6554C		
1994-89; Vin T; 4G37; SOHC; 8 Valve; FWD; Colt, Laser, Talon, Summit	HA6551			HA6551C		
1993-92; Vin C, D; 4G93; SOHC; 16 Valve; FWD; Cam is Flush With Head; Colt, Colt Vista, Summit	HA6553			HA6553C		
<b>CHRYSLER 2.0L/122 L4 (Chrysler eng.)</b>						
2000-96; Vin C; SOHC; 8 Valve; Neon, Breeze, Stratus	HA3054			HA3054C		
1999-95; Vin Y; DOHC; 16 Valve; Rear Facing Intake Ports; Avenger, Sebring	HA3003			HA3003C		
1999-95; Vin Y; DOHC; 16 Valve; Front Facing Intake Ports; Neon, Stratus	HA3010			HA3010C		
1995; Vin C; SOHC; 8 Valve; Neon, Breeze, Stratus	HA3005			HA3005C		
<b>CHRYSLER 2.0L/122/1997cc L4 (Mitsubishi eng.)</b>						
1998-95; Vin Y; 4G63; DOHC; 16 Valve; w/FI; Cam Sensor in Front of Head; Talon	HA6541			HA6541C		
1998-95; Vin F; 4G63T; DOHC; 16 Valve; Turbo; Cam Sensor on Head; Laser, Talon	HA6524			HA6524C		
1994-93; Vin F; 4G63T; DOHC; 16 Valve; Turbo; Laser, Talon	HA6523			HA6523C		
1994-93; Vin E; 4G63; DOHC; 16 Valve; w/FI; Laser, Talon	HA6556			HA6556C		
1992-89; Vin U; 4G63T; DOHC; 16 Valve; Turbo; Laser, Talon	HA6540			HA6540C		
1992-89; Vin R; 4G63; DOHC; 16 Valve; w/FI; Laser, Talon	HA6521			HA6521C		
1991-90; Vin V; 4G63; SOHC; 8 Valve; w/FI	HA6522			HA6522C		
1991-84; Vin D; G63B; SOHC; 8 Valve; w/Carb.; RWD & FWD; w/Jet Valves; Hydraulic Rockers; Colt Vista, D50	HA6517			HA6517C		
1991-84; Vin D, V; G63B; SOHC; 8 Valve; w/FI; RWD & FWD; w/Jet Valves; Hydraulic Rockers; Colt Vista, D50	HA6539			HA6539C		
1988-87; Vin V; G63B; SOHC; 8 Valve; w/Carb.; FWD; w/Jet Valves; Hydraulic Rockers; Colt Vista, D50	HA6578			HA6578C		
1984-83; G63B; SOHC; 8 Valve; RWD; w/Jet Valves; Mechanical Rockers; D50	HA6518			HA6518C		
1983-78; G52B; SOHC; 8 Valve; RWD & FWD; Arrow, Colt, D50	HA6510			HA6510C		
<b>CHRYSLER 2.2L/135 L4 (Chrysler eng.)</b>						
1995-93; Vin C, D; SOHC; 8 Valve; w/FI; Incl. Turbo; FWD; Roller Cam	HA3059			HA3059C		
1994-88; Vin C, D; SOHC; 8 Valve; w/FI; Incl. Turbo; RWD; Roller Cam	HA3008			HA3008C		
1993-91; Vin A; DOHC; 16 Valve; Turbo; Lotus, Daytona, Spirit	HA3004			HA3004C		
1992-88; Vin C, D; SOHC; 8 Valve; w/FI; Incl. Turbo; FWD; Roller Cam	HA3057			HA3057C		
1987-86; Vin C; SOHC; 8 Valve; w/Carb. or FI; Heart Shaped Combustion Chamber	HA3007			HA3007C		
1985-84; Vin E; SOHC; 8 Valve; Turbo; w/Carb. or FI	HA3009			HA3009C		
1985-83; SOHC; 8 Valve; w/Carb. or FI; 2 A/C Bosses on Head	HA3056			HA3056C		
1985-81; SOHC; 8 Valve; w/Carb. or FI; 1 A/C Boss on Head	HA3006			HA3006C		
<b>CHRYSLER 2.4L/144/2351cc L4 (Mitsubishi eng.)</b>						
1995-93; Vin G; 4G64; SOHC; 16 Valve; Colt	HA6575			HA6575C		
1994-93; Vin G; 4G64; SOHC; 8 Valve; w/o Jet Valves; Colt Vista	HA6536			HA6536C		
1993-90; Vin G, W; G64B, 4G64; SOHC; 8 Valve; w/Jet Valves; Colt Vista, D50	HA6519			HA6519C		

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# Hi-Tech Vision Cylinder Heads



**-Continued**

Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>CHRYSLER 2.4L/148 L4 (Chrysler eng.)</b>						
2000-95; Vin B, X; DOHC; 16 Valve; Front Facing Intake Ports	HA3002			HA3002C		
<b>CHRYSLER 2.5L/150 L4 (AMC eng.)</b>						
2002-96; Vin P; Dakota	HA6001					
<b>CHRYSLER 2.5L/152 L4 (Chrysler eng.)</b>						
1995-93; Vin K; SOHC; 8 Valve; w/Fl; Roller Cam	HA3060			HA3060C		
1995-89; Vin G; SOHC; Roller Cam; Dakota	HA3008			HA3008C		
1992-88; Vin K; SOHC; 8 Valve; w/Fl; Roller Cam	HA3008			HA3008C		
1991-89; Vin J; SOHC; 8 Valve; Turbo; w/Fl; Roller Cam	HA3058			HA3058C		
1988-86; Vin K; SOHC; 8 Valve; w/Fl; Non Roller Cam; w/Heart Shaped Combustion Chamber	HA3007			HA3007C		
<b>CHRYSLER 2.5L/153/2497cc V6 (Mitsubishi eng.)</b>						
1999-95; Vin H, N; 6G73; SOHC; 24 Valve		HA6563L	HA6574R		HA6563LC	HA6574RC
<b>CHRYSLER 2.6L/156/2555cc L4 (Mitsubishi eng.)</b>						
1989-85; Vin D; G54B; SOHC; 8 Valve; FWD; w/Jet Valves; Mechanical Valve Adjustment	HA6579			HA6579C		
1989-85; Vin D, G; G54B; SOHC; 8 Valve; FWD; w/Jet Valves; Hydraulic Valve Adjustment	HA6531			HA6531C		
1989-84; Vin E; G54B; RWD; w/Jet Valves; Colt Before From 5/84 to 5/89; D-50 & Raider From 5/84 to 5/89	HA6577			HA6577C		
1989-84; G54B; SOHC; 8 Valve; RWD; Incl. Turbo; w/Jet Valves; Hydraulic Valve Adjustment	HA6532			HA6532C		
1988-85; Vin D, G; G54B; SOHC; 8 Valve; FWD; w/o Jet Valves; Mechanical Valve Adjustment	HA6580			HA6580C		
1986-81; Vin D, G; G54B; SOHC; 8 Valve; RWD; w/Jet Valves; Mechanical Valve Adjustmen	HA6528			HA6528C		
1986-79; Vin D, G; G54B; SOHC; 8 Valve; RWD; w/o Jet Valves; Mechanical Valve Adjustment	HA6530			HA6530C		
1985-81; Vin D; G54B; SOHC; 8 Valve; FWD; w/Jet Valves; Mechanical Valve Adjustment	HA6527			HA6527C		
1984-81; Vin D, G; G54B; SOHC; 8 Valve; FWD; w/o Jet Valves; Mechanical Valve Adjustment	HA6529			HA6529C		
1984-81; Vin 7; G54B; RWD; w/Jet Valves; Colt Challenger; Before 5/84	HA6576			HA6576C		
<b>CHRYSLER 2.7L/167 V6 (Chrysler eng.)</b>						
2000-98; Vin R; DOHC; 24 Valve; Intrepid, Concorde	HA3017L	HA3027R		HA3017LC	HA3027RC	
<b>CHRYSLER 2.8L/170 L6 (Chrysler eng.)</b>						
1971-60; Spark Plug Tubes	HA3012					
<b>CHRYSLER 3.0L/181/2972cc V6 (Mitsubishi eng.)</b>						
2000-90; Vin 3; 6G72; SOHC; 12 Valve; Roller Cam		HA6564L	HA6565R		HA6564LC	HA6565RC
1996-93; Vin J, K; 6G72; DOHC; 24 Valve; Incl. Turbo; FWD; Stealth		HA6569L	HA6568R		HA6569LC	HA6568RC
1992-91; Vin B, C; 6G72; DOHC; 24 Valve; Incl. Turbo; FWD; Stealth		HA6567L	HA6566R		HA6567LC	HA6566RC
1989-88; Vin S; 6G72; SOHC; 12 Valve; RWD; Non Roller Cam; Raider Only		HA6561L	HA6562R		HA6561LC	HA6562RC
1989-87; Vin 3; 6G72; SOHC; 12 Valve; Non Roller Cam		HA6559L	HA6560R		HA6559LC	HA6560RC
<b>CHRYSLER 3.2L/197 V6 (Chrysler eng.)</b>						
2001-98; Vin J; SOHC; 24 Valve; Concorde, Intrepid		HA3022L	HA3023R		HA3022LC	HA3023RC
<b>CHRYSLER 3.2L/198 L6 (Chrysler eng.)</b>						
1974-70; Vin B; w/Smog; Spark Plug Tubes	HA3011					
1974-70; Vin B; w/o Smog; Spark Plug Tubes	HA3012					
<b>CHRYSLER 3.3L/202 V6 (Chrysler eng.)</b>						
2000-98; Vin R; FWD; Aluminum	HA3026					
1997-94; Vin R, T; FWD; Aluminum	HA3021					
1993-90; Vin R, T; FWD; Aluminum	HA3020					
<b>CHRYSLER 3.5L/215 V6 (Chrysler eng.)</b>						
2000-98; Vin G; SOHC; 24 Valve		HA3031L	HA3030R		HA3031LC	HA3030RC
1997-95; Vin F; SOHC; 24 Valve		HA3025L	HA3029R		HA3025LC	HA3029RC
1994-93; Vin F; SOHC; 24 Valve		HA3024L	HA3028R		HA3024LC	HA3028RC



# Hi-Tech Vision Cylinder Heads



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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>CHRYSLER 3.7L/225 L6 (Chrysler eng.)</b>						
1987-81; w/Smog; Exposed Spark Plugs	HA3016					
1980; Vin B; w/Smog; Three 1/2" Holes at Water outlet	HA3015					
1979-75; Vin B; w/Smog	HA3013					
1979-75; Vin B; w/o Smog	HA3014					
1974-61; Vin C; w/o Smog; Spark Plug Tubes	HA3012					
1974-61; w/Smog; Spark Plug Tubes	HA3011					
<b>CHRYSLER 3.8L/230 V6 (Chrysler eng.)</b>						
2000-98; Aluminum	HA3026					
1997-94; Vin L; Aluminum	HA3021					
1993-90; Vin L; Aluminum	HA3020					
<b>CHRYSLER 3.9L/238 V6 (Chrysler eng.)</b>						
2003-92; Vin X; Magnum; Cast Iron; Truck	HA3019					
1991-86; Vin M, X; Cast Iron; Truck	HA3018					
<b>CHRYSLER 5.2L/318 V8 (Chrysler eng.)</b>						
2002-92; Vin Y; OHV	HA3047					
1991-90; Vin Y; Roller Cam; Open Chamber	HA3045					
1989-85; Vin S, T; Kidney Shaped Combustion Chamber	HA3044					
1984-75; Vin E, P, R, T, U; w/Smog; Exhaust Heated Crossover	HA3035					
1984-75; Vin E, P, R, T, U; 18mm Spark Plugs; Motorhome	HA3036					
1978-75; w/o Smog; Exhaust Heated Crossover	HA3037					
1974-68; Vin E; Water Heated Crossover, No Eyebrow Over Center Port on Intake Side	HA3034					
1974-67; Vin E, G; No Pads Below Exhaust Ports	HA3033					
1966-62; OHV	HA3032					
<b>CHRYSLER 5.6L/340 V8 (Chrysler eng.)</b>						
1973-68; Vin H, J; No Pads Below Exhaust Ports	HA3038					
<b>CHRYSLER 5.9L/359 L6 (Cummins eng.)</b>						
2000-98; Turbo Diesel; 24 Valve	HA3800					
1998-91; Turbo Diesel; 12 Valve; Intercooler	HA3801					
1993-89; Turbo Diesel; 12 Valve; w/o Intercooler	HA3802					
<b>CHRYSLER 5.9L/360 V8 (Chrysler eng.)</b>						
1999-94; Vin Z, 5; Roller Cam	HA3047					
1993-89; Vin Z, 5; Roller Cam; Large Push Rod Holes	HA3048					
1988-75; Vin F, K, S, T, U, V, W; w/Smog	HA3039					
1988-75; Vin F, K, S, T, U, V, W; w/o Smog	HA3040					
1974-70; Vin F; No Pads Below Exhaust Ports	HA3038					
<b>CHRYSLER 5.9L/361 V8 (Chrysler eng.)</b>						
1979-68; Truck & Industrial; Rocker Arm Supports Are Part of Head	HA3064					
1979-60; Truck & Industrial; Rocker Arm Supports Are Part of Rocker Assembly	HA3043					
<b>CHRYSLER 6.3L/383 V8 (Chrysler eng.)</b>						
1971-69; Small Combustion Chamber; Steel Crank	HA3061					
1971-68; Large Combustion Chamber; Steel Crank	HA3062					
1971-68; Large Combustion Chamber; Cast Crank	HA3042					
1971-65; Small Combustion Chamber; Cast Crank	HA3041					
<b>CHRYSLER 6.6L/400 V8 (Chrysler eng.)</b>						
1978-72; Vin J; Gasket Plugs; Steel Crank	HA3063					
1978-72; Vin J; Gasket Plugs; Cast Crank	HA3062					
<b>CHRYSLER 6.8L/413 V8 (Chrysler eng.)</b>						
1979-60; Truck & Industrial; Rocker Arm Supports Are Part of Rocker Assembly	HA3043					
1979-60; Truck & Industrial; Rocker Arm Supports Are Part of Head	HA3064					
<b>CHRYSLER 7.2L/440 V8 (Chrysler eng.)</b>						
1980-68; Tapered Plugs; Rotators on Exhaust Valves; Steel Crank	HA3065					
1980-68; Tapered Plugs; Rotators on Exhaust Valves; Cast Crank	HA3046					
1980-68; Gasket Plugs; Steel Crank	HA3063					
1980-68; Gasket Plugs; Cast Crank	HA3062					

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# Hi-Tech Vision Cylinder Heads



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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>CHRYSLER 8.0L/488 V10 (Chrysler eng.)</b>						
2000-94; Vin W; Dodge Truck	HA3000					
2000-92; Vin E; Viper	HA3001					
<b>DATSUN (See Nissan)</b>						
<b>DODGE (See Chrysler)</b>						
<b>DODGE TRUCK (See Chrysler)</b>						
<b>EAGLE (See Chrysler)</b>						
<b>FORD 1.3L/81/1295cc L4 (Mazda eng.)</b>						
1997-96; Vin H; B3; SOHC; 8 Valve; w/Fl; Roller Cam; Aspire	HA2847			HA2847C		
1995-94; Vin H; B3; SOHC; 8 Valve; w/Fl; Roller Cam; Hydraulic Lifters; Aspire	HA2825			HA2825C		
1993-90; Vin H; B3; SOHC; 8 Valve; w/Fl; Hydraulic Lifters; Festiva	HA2823			HA2823C		
1990-88; Vin K; B3; SOHC; 8 Valve; w/Carb.; Adjustable Rockers; Festiva	HA2821			HA2821C		
<b>FORD 1.6L/98 L4 (Ford eng.)</b>						
1985-83; Vin 2; SOHC; HO; w/EFI	HA2188			HA2188C		
1984-81; Vin 2; SOHC; w/o EFI; Tapered Plugs; Escort, Lynx	HA2187			HA2187C		
1983-81; Vin 2; SOHC; w/o EFI; Gasket Plugs; Escort, Lynx	HA2019			HA2019C		
1980-78; w/Smog; w/Fiesta	HA2003					
1973-71; w/o Smog; Capri, Pinto	HA2002					
<b>FORD 1.6L/98/1597cc L4 (Mazda eng.)</b>						
1994; Vin Z; B6; DOHC; 16 Valve; Capri	HA2845			HA2845C		
1994; Vin 6; B6; DOHC; 16 Valve; Turbo; Capri	HA2844			HA2844C		
1993-91; Vin Z; B6; DOHC; 16 Valve; Capri	HA2817			HA2817C		
1993-91; Vin 6; B6; DOHC; 16 Valve; Turbo; Capri; After 3/1/91	HA2805			HA2805C		
1989-88; B6; SOHC; 8 Valve; w/Fl; Hydraulic Valve Lash; Tracer; After 11/2/87	HA2803			HA2803C		
1988-87; B6; SOHC; 8 Valve; w/Carb. or Fl; Mechanical Valve Adjustment; Tracer; Before 11/2/87	HA2826			HA2826C		
<b>FORD 1.8L/110/1797cc L4 (Mazda eng.)</b>						
1978-72; VB; SOHC; Square Exhaust Ports; Courier	HA2846			HA2846C		
1978-72; VB; SOHC; Round Exhaust Ports; Courier	HA2822			HA2822C		
<b>FORD 1.8L/112 L4 (Ford eng.)</b>						
1996-91; Vin D, J; SOHC; Roller Cam; Center Valve Cover Bolts; Escort, Lynx				HA2030C		
1990-87; Vin J; SOHC; Roller Cam; HO; Round Combustion Chamber; Escort, Lynx	HA2031			HA2031C		
1990-87; Vin J; SOHC; Non Roller Cam; HO; Round Combustion Chamber; Escort, Lynx	HA2018			HA2018C		
1990-87; Vin 9; SOHC; Roller Cam; D-Shaped Combustion Chamber; Escort, Lynx	HA2029			HA2029C		
1990-87; Vin 9; SOHC; Non Roller Cam; D-Shaped Combustion Chamber; Escort, Lynx	HA2022			HA2022C		
1986-85; Vin 9; SOHC; Non Roller Cam; Heart Shaped Combustion Chamber; Escort, Lynx	HA2020			HA2020C		
1986; SOHC; Non Roller Cam; HO; Round Combustion Chamber; Escort, Lynx	HA2021			HA2021C		
<b>FORD 1.9L/116/1839cc L4 (Mazda eng.)</b>						
1996-89; Vin 8; BP; DOHC; 16 Valve; Escort, Tracer; From 5/89	HA2815			HA2815C		
<b>FORD 2.0L/120/1970cc L4 (Mazda eng.)</b>						
1982-78; MB; SOHC; Courier	HA2843			HA2843C		
<b>FORD 2.0L/121 L4 (Ford eng.)</b>						
2001-00; Zetec; 01-00 Focus, 01 Escape	HA2165			HA2165C		
2000-97; Vin P; SOHC; 8 Valve; Escort, Tracer	HA2016			HA2016C		
1998; Vin 3; DOHC; 16 Valve; Zetec; w/Cam Sensor on Exhaust Side of Head; Contour, Mystique, Escort ZX2	HA2017			HA2017C		
1997-95; Vin 3; DOHC; 16 Valve; Zetec; w/Cam Sensor on Intake Side of Head; Contour, Mystique, Escort ZX2	HA2015			HA2015C		
<b>FORD 2.0L/121/1998cc L4 (Mazda eng.)</b>						
1997-93; Vin A; FS; DOHC; 16 Valve; Probe	HA2814			HA2814C		

# Hi-Tech Vision Cylinder Heads



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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>FORD 2.0L/122 L4 (Ford eng.)</b>						
1988-82; Vin C; SOHC; Ranger; From 4/82	HA2014			HA2014C		
1974-71; SOHC; Capri, Pinto	HA2004			HA2004C		
<b>FORD 2.2L/133/2184cc L4 (Mazda eng.)</b>						
1992-89; Vin L; F2T; SOHC; 12 Valve; Turbo; Probe	HA2809			HA2809C		
1992-89; Vin C; F2; SOHC; 12 Valve; Probe	HA2808			HA2808C		
<b>FORD 2.3L/140 L4 (Ford eng.)</b>						
1997-95; Vin A ; SOHC; Dual Spark Plugs; Ranger	HA2008			HA2008C		
1994-92; Vin X; HSC; Square Intake Ports; Tempo, Topaz	HA2189					
1994-89; Vin A, M; SOHC; Dual Spark Plugs; Mustang, Ranger	HA2010			HA2010C		
1991-88; Vin X; HSC; Square Intake Ports; Tempo, Topaz	HA2027					
1990-89; Vin A; w/o Smog; w/FI; Non Roller; Mustang	HA2168			HA2168C		
1990-85; Vin A; SOHC; w/Extra Hole in Front of Intake Manifold	HA2012			HA2012C		
1989-87; Vin T, W; Turbo; T-Bird, Merkur; From 11/86	HA2166			HA2166C		
1989-85; Vin A; SOHC; Turbo	HA2013			HA2013C		
1988-87; Vin A; SOHC, Roller Cam; Ranger, Aerostar	HA2007			HA2007C		
1987-85; Vin S; HSC; HO; Church Window Intake Ports; Tempo, Topaz	HA2025					
1987-85; Vin R, S, X; HSC; Round Intake Ports; Aluminum Valve Cover; Tempo, Topaz	HA2024					
1986-85; Vin W; Turbo; Before 11/86	HA2167			HA2167C		
1985-84; Vin R, S, X; HSC; Round Intake Ports; Steel Valve Cover; Tempo, Topaz	HA2023					
1985-83; Vin A; SOHC; Round Intake Ports; Ranger	HA2009			HA2009C		
1984-83; Vin T, W; SOHC; Turbo; D-Shaped Intake Ports	HA2011			HA2011C		
1984-81; Vin A; SOHC; D-Shaped Intake Ports	HA2186			HA2186C		
1982-79; Vin W; SOHC; Turbo; w/Oil Return at Rear of Head	HA2006			HA2006C		
1981-74; Vin Y; SOHC; Oval Intake Ports	HA2005			HA2005C		
<b>FORD 2.5L/152 L4 (Ford eng.)</b>						
2000-98; Vin C; SOHC; Dual Spark Plugs; Ranger	HA2028			HA2028C		
<b>FORD 2.5L/152/2497cc V6 (Mazda eng.)</b>						
1997-95; KL; DOHC; 24 Valve; Square Intake Port With Injector Notch; Probe		HA2839L	HA2840R		HA2839LC	HA2840RC
1997-92; Vin B; KL; DOHC; 24 Valve, Oval Intake Port With Injector Notch; Probe		HA2837L	HA2838R		HA2837LC	HA2838RC
<b>FORD 2.5L/153 L4 (Ford eng.)</b>						
1991-86; Vin D; HSC; 3 Holes in Spark Plug Side; Church Window Intake Port; Sable, Taurus	HA2026					
<b>FORD 2.5L/155 V6 (Ford eng.)</b>						
2000-95; Vin L; DOHC; 24 Valve; Dura-Tec; Contour, Mystique		HA2040L	HA2041R		HA2040LC	HA2041RC
1998; Vin G; DOHC; 24 Valve; Dura-Tec; Contour SVT		HA2042L	HA2043R		HA2042LC	HA2043RC
<b>FORD 2.8L/170 L6 (Ford eng.)</b>						
1972-68; Vin U; Small Base Carb., 1-1/2" Diameter; w/Hook-up for Accelerator	HA2035					
1969-65; Vin U; Small Base Carb., 1-1/2" Diameter; w/California Smog; 6 Holes in Head	HA2034					
1969-65; Vin U; Small Base Carb., 1-1/2" Diameter	HA2033					
<b>FORD 2.8L/171 V6 (Ford eng.)</b>						
1986-83; Vin S; Long Reach Spark Plugs; Ranger, Aerostar, Bronco II	HA2051					
1979-77; Vin Z; Long Reach Spark Plugs; Ranger, Aerostar, Bronco II	HA2051					
1976-75; Vin Z; Short Reach Spark Plugs	HA2049					
1974; Vin Z; w/o Exhaust Crossover	HA2047					
<b>FORD 2.9L/177 V6 (Ford eng.)</b>						
1992-89; Vin T; 8mm Accessory Bolt Holes; Bronco II, Ranger	HA2048					
1992-89; Vin T; 10mm Accessory Bolt Holes; Bronco II, Ranger	HA2064					
1988-86; Vin V, T; Bronco II, Ranger	HA2053					
<b>FORD 3.0L/182 V6 (Ford eng.)</b>						
2003-02; Vin U; RWD & FWD; Roller Cam; Ranger, Taurus, Sable	HA2169					
2001-99; Vin U; Vulcan; 10mm Head Bolts; Taurus, Windstar	HA2065					
2000-96; Vin S; DOHC; Dura-Tec; 24 Valve; Taurus, Sable		HA2044L	HA2045R		HA2044LC	HA2045RC
1998-86; Vin U; Vulcan; 11mm Head Bolts; 98-86 Taurus, Sable, 97-86 Aerostar, 97-92 Ranger	HA2062					

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# Hi-Tech Vision Cylinder Heads



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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>FORD 3.0L/182 V6 (Ford eng.)</b>						
1995-89; Vin Y; DOHC; 24 Valve; SHO; Yamaha Head Design; Taurus		HA2700L	HA2701R		HA2700LC	HA2701RC
<b>FORD 3.0L/182/2960cc V6 (Nissan eng.)</b>						
1998-97; Vin W; VG30E; SOHC; 12 Valve; Villager		HA8553L	HA8554R		HA8553LC	HA8554RC
1996-93; Vin W; VG30E; SOHC; 12 Valve; Villager		HA8537L	HA8538R		HA8537LC	HA8538RC
<b>FORD 3.2L/195 V6 (Ford eng.)</b>						
1995-93; Vin P; DOHC; 24 Valve; SHO; Yamaha Head Design; Taurus		HA2703L	HA2702R		HA2703LC	HA2702RC
<b>FORD 3.3L/200 L6 (Ford eng.)</b>						
1983-80; Vin B, X; w/EGR	HA2037					
1979-69; Vin T; Large Base Carb. 1-3/4" Diameter	HA2036					
1969-65; Small Base Carb. 1-1/2" Diameter; w/California Smog; 6 Holes in Head	HA2034					
1969-65; Small Base Carb. 1-1/2" Diameter	HA2033					
<b>FORD 3.4L/207 V8 (Ford eng.)</b>						
1999-96; Vin N; DOHC; 32 Valve; SHO; Yamaha Head Design; Taurus		HA2704L	HA2705R		HA2704LC	HA2705RC
<b>FORD 3.7L/223 L6 (Ford eng.)</b>						
1964-60; OHV	HA2032					
<b>FORD 3.8L/232 V6 (Ford eng.)</b>						
2002-99; Vin 4; RWD & FWD; Mustang, Cougar, T-Bird, Windstar	HA2076					
2001; Vin 4; RWD & FWD; Mustang, Windstar	HA2170					
1998-97; Vin 4; RWD; 8mm Intake Bolt Holes; Mustang, Cougar, T-Bird	HA2066					
1998-96; Vin 4; RWD; 6mm Intake Bolt Holes; Mustang, Cougar, T-Bird	HA2063					
1998-96; Vin 4; FWD; Windstar	HA2061					
1995-91; Vin 4; FWD; Windstar, Continental, Taurus Police	HA2060					
1995-89; Vin R; RWD; Supercharged; T-Bird, Cougar	HA2059					
1995-89; Vin 4; RWD; Closed Combustion Chamber; Injector Holes Over Intake Ports; 95-89 T-Bird, Cougar, 95-94 Mustang	HA2058					
1995-89; Vin 4; FWD; Closed Combustion Chamber; Injector Holes Over Intake Ports; 90-89 Lincoln, 95-89 Sable, Taurus	HA2058					
1988; Vin 4; RWD; EFI; Closed Combustion Chamber; Injector Holes Over Intake Ports; T-Bird, Cougar	HA2191					
1987-84; Vin C, 3; RWD; Closed Combustion Chamber	HA2057					
1983; Vin 3; RWD; Open Combustion Chamber	HA2056					
1982; Vin 3; RWD; Open Combustion Chamber	HA2055					
<b>FORD 3.9L/240 L6 (Ford eng.)</b>						
1974-65; Vin A; w/Smog	HA2038					
1974-65; Vin A; w/o Smog	HA2039					
<b>FORD 4.0L/244 V6 (Ford eng.)</b>						
2000-97; Vin X; Ranger, Explorer, Aerostar	HA2190					
2000-97; Vin E; SOHC; 12 Valve; Explorer		HA2050L	HA2046R		HA2050LC	HA2046RC
1997-95; Vin X; 97-95 Ranger, Explorer, 97 Aerostar	HA2171					
1996-95; Vin X; Ranger, Explorer	HA2052					
1996-90; Vin X; 96-90 Aerostar, 94-90 Ranger, Explorer	HA2054					
<b>FORD 4.1L/250 L6 (Ford eng.)</b>						
1980; Vin C; w/EGR	HA2037					
1979-69; Vin L; Large Base Carb., 1-3/4" Diameter	HA2036					
<b>FORD 4.2L/255 V8 (Ford eng.)</b>						
1983-80; Vin D; Oval Intake Ports	HA2121					
<b>FORD 4.2L/256 V6 (Ford eng.)</b>						
2001-99; Vin 2; E, F Series	HA2076					
1998-96; Vin 2; E, F Series	HA2061					
<b>FORD 4.6L/281 V8 (Ford eng.)</b>						
2000-99; Vin 6; SOHC; 16 Valve; Windsor; Engine Code: 9G-936-AA, 9G-936; Expedition		HA2129L	HA2130R		HA2129LC	HA2130RC
2000-99; Vin 6; SOHC; 16 Valve; Windsor; Engine Code: 9A-100, 9A-103, 0A-100-AA, 0A-103-AA; Mustang		HA2129L	HA2130R		HA2129LC	HA2130RC

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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>FORD 4.6L/281 V8 (Ford eng.)</b>						
1999-97; Vin W; SOHC; 16 Valve; Romeo; w/11 Bolt Valve Cover		HA2163L	HA2164R		HA2163LC	HA2164RC
1999; Vin V; DOHC; 32 Valve; Mustang Cobra, Continental		HA2154L	HA2155R		HA2154LC	HA2155RC
1999; Vin 6; SOHC; 16 Valve; Windsor; Expedition w/o Horsepower Improved, E/F Series		HA2156L	HA2158R		HA2156LC	HA2158RC
1998-97; Vin V; DOHC; 32 Valve; 98-97 Mark VIII, 98 Continental		HA2152L	HA2153R		HA2152LC	HA2153RC
1998-97; Vin 6; SOHC; 16 Valve; Windsor; Engine Code: 6G-871-AA, 7G-913-AA, 7G-915-AA, 7G-912; F-Series		HA2156L	HA2158R		HA2156LC	HA2158RC
1998-97; Vin 6; SOHC; 16 Valve; Windsor; Engine Code: 7G-936; Expedition 4X2 Automatic		HA2156L	HA2158R		HA2156LC	HA2158RC
1998-97; Vin 6; SOHC; 16 Valve; Windsor; Engine Code: 7G-900; Econoline		HA2156L	HA2158R		HA2156LC	HA2158RC
1998-96; Vin V; DOHC; 32 Valve; Mustang Cobra		HA2147L	HA2148R		HA2147LC	HA2148RC
1997-95; Vin V; DOHC; 32 Valve; Continental		HA2141L	HA2142R		HA2141LC	HA2142RC
1996-95; Vin W; SOHC; 16 Valve; Romeo; w/11 Bolt Valve Cover; Engine Code: 5G-822, 5G-824, 6G-822, 6G-824; Continental		HA2163L	HA2164R		HA2163LC	HA2164RC
1996; Vin W; SOHC; 16 Valve; Romeo; w/11 Bolt Valve Cover; Engine Code: 6G-814; Mark VIII		HA2163L	HA2164R		HA2163LC	HA2164RC
1996; Vin V; DOHC; 32 Valve; Mark VIII		HA2145L	HA2146R		HA2145LC	HA2146RC
1996; Vin 6; SOHC; 16 Valve; Windsor; Engine Code: 6G-926-AA; Crown Vic		HA2156L	HA2157R		HA2156LC	HA2157RC
1995-93; SOHC; 16 Valve; Romeo; w/11 Bolt Valve Cover; Engine Code: 3G-814, 4G-814, 5G-814; Mark VIII		HA2161L	HA2162R		HA2161LC	HA2162RC
1995-93; DOHC; 32 Valve; Mark VIII		HA2096L	HA2098R		HA2096LC	HA2098RC
1992-91; Vin W; SOHC; 16 Valve; Romeo; Long Reach Spark Plugs		HA2159L	HA2160R		HA2159LC	HA2160RC
1992; Vin W, X; SOHC; 16 Valve; Romeo; Short Reach Spark Plugs		HA2090L	HA2092R		HA2090LC	HA2092RC
<b>FORD 4.7L/289 V8 (Ford eng.)</b>						
1995-64; w/o Smog		HA2174				
1968-66; w/Round Push Rod Holes; 3/8" Rocker Studs		HA2077				
1968-66; w/California Smog; 4 Individual Ports Over Each Exhaust Port		HA2086				
1968-66; w/California Smog; 1 Hole on Exhaust Side of Head		HA2083				
1967-65; w/Slotted Push Rod Holes; 3/8" Rocker Studs		HA2080				
<b>FORD 4.8L/292 V8 (Ford eng.)</b>						
1964-55; OHV		HA2127				
<b>FORD 4.9L/300 L6 (Ford eng.)</b>						
1996-91; Vin Y; w/Smog; D-Shaped Combustion Chamber; 16 Bolts for Manifold; Truck		HA2075				
1996-87; Vin Y; w/Smog/TE; Bolt Down Rockers, 16 Bolts for Manifold; 96-87 E, F Series, 95-87 Bronco		HA2073				
1996-87; Vin Y; w/o Smog/TE; Bolt Down Rockers, 16 Bolts for Manifold; 96-87 E, F Series, 95-87 Bronco		HA2074				
1986-85; Vin Y; w/Smog/TE; Bolt Down Rockers; E, F-Series, Bronco		HA2071				
1986-85; Vin Y; w/o Smog/TE; Bolt Down Rockers; E, F-Series, Bronco		HA2072				
1984-81; Vin E, Y; w/Smog; 6 Smog Holes in Head Above Exhaust Ports		HA2173				
1984-81; Vin E, Y; w/o Smog		HA2172				
1984-77; Vin B; w/Smog; 5/16" Rocker Studs; Truck		HA2069				
1984-77; Vin B; w/o Smog; 5/16" Rocker Studs; Truck		HA2070				
1976-65; Vin B; w/Smog; 3/8" Rocker Studs; Truck		HA2067				
1976-65; Vin B; w/o Smog; 3/8" Rocker Studs; Truck		HA2068				
<b>FORD 5.0L/302 V8 (Ford eng.)</b>						
2001-98; Vin P; Explorer, Mountaineer		HA2128				
1997; Vin P; w/o TE; Explorer, Mountaineer GTP; From 10/25/96		HA2194				
1996-86; Vin N; w/Smog; Small Combustion Chamber; Short Reach Spark Plug		HA2124				
1996-85; EFI; E, F-Series, Bronco		HA2178				
1996; Vin P; Explorer; Before 12/96		HA2126				
1995-93; Vin D; w/GT-40 Heads; Mustang Cobra		HA2125				
1995-87; Vin T, E; HO; w/FI; Roller Cam; T-Bird, Cougar, Mustang		HA2176				
1995-87; Mustang; Not Cobra		HA2178				
1993-91; T-Bird, Cougar		HA2178				
1992-87; Mark LSC		HA2178				

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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>FORD 5.0L/302 V8 (Ford eng.)</b>						
1991-87; Lincoln Towncar, Continental, Mark w/o LSC to 89, Full size	HA2177					
1991-86; Vin N; HO; w/Smog; Heart Shaped Combustion Chamber; Long Reach Plug	HA2123					
1991-86; Vin F; Not HO; Roller Cam; Long Reach Plug; Passenger Car Applications	HA2175					
1988-87; T-Bird, Cougar	HA2177					
1986; Mark LSC, Mustang, Capri	HA2177					
1986; Full Size, Lincoln Towncar, Continental, Mark w/o LSC, T-Bird, Cougar	HA2177					
1985-78; Vin F, G, N; w/Smog; Bolt Down Rocker Arms	HA2089					
1985-78; Vin F, G, N; w/o Smog; Bolt Down Rocker Arms	HA2091					
1985-78; Vin F, G, N; w/California Smog; 1 Hole on Exhaust Side of Head	HA2122					
1985; HO; CFI; Flat Cam; Mustang, Capri, LTD 2, Mark LSC	HA2179					
1985; HO; 4 Valve; Mustang, Capri	HA2179					
1985; CFI; Roller Cam; Mark	HA2179					
1985; CFI; Ford / Mercury Full Size, T-Bird, Cougar, Town Car, E, F-Series, Bronco	HA2179					
1979-77; Vin G; w/Smog; Rocker Studs	HA2085					
1979-77; Vin F, G; w/o Smog; Rocker Studs	HA2087					
1976-75; Vin F, G; Small Combustion Chamber	HA2081					
1974-68; Vin D, F, G; Small Combustion Chamber; 5/16" Rocker Studs	HA2079					
1974-68; Vin D, F, G; Large Combustion Chamber; 5/16" Rocker Studs	HA2078					
1971-68; Vin G; Small Combustion Chamber; 3/8" Rockers	HA2084					
<b>FORD 5.4L/330 V8 (Ford eng.)</b>						
2003-97; Vin L; SOHC; 16 Valve; Triton; Round Intake Port; Truck & Van		HA2129L	HA2130R		HA2129LC	HA2130RC
2001-99; Vin L; SOHC; 16 Valve; Triton; Square Intake Port; Truck		HA2143L	HA2144R		HA2143LC	HA2144RC
2001-99; SOHC; Windsor; 2 Valve; Engine Code: 9G-620-AA, 9G-622, 9G-624-AA, 9G-624-AA, 9G-626, 9G-632-AA, 9G-876; F-Series, Expedition, Navigator	HA2180			HA2180C		
2001-99; SOHC; Windsor; 2 Valve; Engine Code: 9/1G-250-AA; F-Series Lightening	HA2180			HA2180C		
2001-99; SOHC; Windsor; 2 Valve; Engine Code: 9G-620-AA, 9G-622, 9G-624-AA, 9G-624-AA, 9G-626, 9G-632-AA, 9G-876 F-Series, Expedition, Navigator	HA2180			HA2180C		
2001-99; SOHC; Windsor; 2 Valve; Engine Code: 9/1G-250-AA; F-Series Lightening	HA2180			HA2180C		
2001-00; SOHC; Windsor; 2 Valve; Engine Code: 0/1E-872, 0/1G-890, S/TE-892 Econoline	HA2180			HA2180C		
2001-00; SOHC; Windsor; 2 Valve; Engine Code: A/BE-874, A/BE-883, S/TE-880; Super Duty, Excursion	HA2180			HA2180C		
2001-00; SOHC; Windsor; 2 Valve; Engine Code: 0/1E-872, 0/1G-890, S/TE-892 Econoline	HA2180			HA2180C		
2001-00; SOHC; Windsor; 2 Valve; Engine Code: A/BE-874, A/BE-883, S/TE-880; Super Duty, Excursion	HA2180			HA2180C		
2000-99; Vin A; DOHC; 32 Valve; Triton; Navigator		HA2131L	HA2132R		HA2131LC	HA2132RC
1999; SOHC; Windsor; 2 Valve; Engine Code: 9G-890-AA, 9E-892-AA Econoline	HA2180			HA2180C		
1999; SOHC; Windsor; 2 Valve; Engine Code: 9E-880-AA, KE-881-AA Super Duty	HA2180			HA2180C		
1999; SOHC; Windsor; 2 Valve; Engine Code: 9G-890-AA, 9E-892-AA Econoline	HA2180			HA2180C		
1999; SOHC; Windsor; 2 Valve; Engine Code: 9E-880-AA, KE-881-AA Super Duty	HA2180			HA2180C		
1998-97; SOHC; Windsor; 2 Valve; w/Oil Cooler; Auto Trans; Engine Code: 7G-626; Expedition 4X4; 7G-882; F-Series 4X2	HA2180			HA2180C		
1998-97; SOHC; Windsor; 2 Valve; w/Oil Cooler; Auto Trans; Engine Code: 7G-884; F-Series 4X4	HA2180			HA2180C		
1998-97; SOHC; Windsor; 2 Valve; w/Oil Cooler; Auto Trans; Engine Code: 7G-894; Expedition 4X2	HA2180			HA2180C		
1998-97; SOHC; Windsor; 2 Valve; Auto Trans; Engine Code: 7E-890, 7E-892; Econoline 4X2	HA2180			HA2180C		
1998-97; SOHC; Windsor; 2 Valve; Auto Trans; Engine Code: 7G-620; F-Series 4X2	HA2180			HA2180C		
1998-97; SOHC; Windsor; 2 Valve; Auto Trans; Engine Code: 7G-622; F-Series 4X4	HA2180			HA2180C		

# Hi-Tech Vision Cylinder Heads



-Continued

Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>FORD 5.4L/330 V8 (Ford eng.)</b>						
1998-97; SOHC; Windsor; 2 Valve; Auto Trans; Engine Code: 7G-624; Expedition 4X2	HA2180			HA2180C		
1998-97; SOHC; Windsor; 2 Valve; Auto Trans; Engine Code: 7G-896; Expedition 4X4	HA2180			HA2180C		
1978-64; w/o Rotators on Valves; Medium Duty Truck	HA2133					
1978-64; Sodium Exhaust Valves; Heavy Duty Truck	HA2195					
<b>FORD 5.8L/351C V8 (Ford eng.)</b>						
1974-70; Cleveland; w/California Smog	HA2088					
1974-70; Cleveland; w/4 bbl. Carb.	HA2082					
1974-69; Cleveland; w/2 bbl. Carb.	HA2103					
<b>FORD 5.8L/351M V8 (Ford eng.)</b>						
1982-75; Vin H; Modified; w/Smog	HA2105					
1982-75; Vin H; Modified; w/o Smog	HA2181					
<b>FORD 5.8L/351W V8 (Ford eng.)</b>						
1997-94; Vin H; w/o Smog; Roller Cam; Truck	HA2192					
1997; Non Lightning; F-Series	HA2182					
1996-94; Vin R; Lightning Pickup Only; From 1/31/94	HA2113					
1996; Non Lightning; E, F-Series, Bronco	HA2182					
1995-88; w/Dipstick Tube In Block; EFI; Non Lightning; E, F-Series, Bronco	HA2184					
1994-93; Vin R; Lightning Pickup Only; Before 1/31/94	HA2108					
1993-88; Vin H; w/o Smog; Non Roller Cam; Truck	HA2104					
1991-89; Full Size Ford, Mercury, Police	HA2183					
1991-85; Vin G, H; Passenger, 87-85 Truck	HA2102					
1988-85; w/o Dipstick Tube In Block, 4 Valve; E, F-Series, Bronco	HA2183					
1984-78; Vin G, H; w/Smog; Bolt Down Rocker Arms	HA2100					
1984-78; Vin G, H; w/o Smog; Bolt Down Rocker Arms	HA2101					
1978-77; Vin H; w/Smog; Rocker Studs	HA2097					
1978-77; Vin H; w/o Smog; Rocker Studs	HA2099					
1978-77; w/o Dipstick Tube In Block; E, F-Series, Bronco	HA2184					
1976-75; Vin H; w/o Smog; Rocker Studs	HA2095					
1974-69; Vin H; 13/16" Spark Plug Holes	HA2093					
1970-69; Vin H; w/3/8" Rocker Studs	HA2094					
<b>FORD 5.8L/352 V8 (Ford eng.)</b>						
1967-65; w/4 bbl. Carb.	HA2109					
1967-65; w/2 bbl. Carb.	HA2112					
<b>FORD 5.9L/360 V8 (Ford eng.)</b>						
1979-68; Vin Y; w/Smog	HA2196					
1979-68; Vin Y; w/o Smog	HA2193					
<b>FORD 5.9L/361 V8 (Ford eng.)</b>						
1978-64; w/Smog; Sodium Exhaust Valves; Truck	HA2135					
1978-64; w/o Smog; Sodium Exhaust Valves; Truck	HA2134					
<b>FORD 6.1L/370 V8 (Ford eng.)</b>						
1991-85; Vin H; w/FI; Truck	HA2138					
1991-79; Vin H; w/4 bbl. Carb.; Truck	HA2137					
1991-79; Vin H; w/2 bbl. Carb.; Truck	HA2136					
<b>FORD 6.4L/390 V8 (Ford eng.)</b>						
1979-68; w/Smog	HA2107					
1979-68; w/o Smog	HA2109					
1967-65; w/o Smog; Large Intake Ports	HA2106					
1967-65; w/o Smog	HA2111					
<b>FORD 6.4L/391 V8 (Ford eng.)</b>						
1978-64; w/Smog; Sodium Exhaust Valves; Truck	HA2135					
1978-64; w/o Smog; Sodium Exhaust Valves; Truck	HA2134					
<b>FORD 6.6L/400 V8 (Ford eng.)</b>						
1982-72; Vin A, S, Z; w/Smog	HA2105					

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# Hi-Tech Vision Cylinder Heads



*-Continued*

Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>FORD 6.8L/415 V10 (Ford eng.)</b>						
2000-97; Vin S; SOHC; Triton; 20 Valve; E, F Series, Excursion		HA2000L	HA2001R		HA2000LC	HA2001RC
1999-97; Non-PI; Econoline, F-Series	HA2185			HA2185C		
<b>FORD 6.9L/421 V8 (IHC eng.)</b>						
1987-83; Vin 1; Diesel; 7/16" Head Bolts; Truck	HA6816					
<b>FORD 7.0L/428 V8 (Ford eng.)</b>						
1970-68; OHV	HA2114					
<b>FORD 7.0L/429 V8 (Ford eng.)</b>						
1998-93; w/FI; Truck	HA2140					
1992-85; w/Carb.; After 4/1/85; Truck	HA2139					
1985-79; w/Carb; Truck.; Before 4/1/85	HA2139					
1973-72; w/o Smog; Passenger	HA2115					
1971-68; w/o Smog; Rocker Studs; Passenger	HA2110					
<b>FORD 7.3L/445 V8 (IHC eng.)</b>						
2000-95; Vin F; DI Turbo Diesel; w/10 Bolt Holes for Intake Manifold; Truck	HA6820					
1995-94; Vin F; DI Turbo Diesel; w/8 Bolt Holes for Intake Manifold; Truck	HA6819					
1994-93; Vin C, K; IDI Turbo Diesel; Truck	HA6818					
1994-87; Vin M; Diesel; w/1/2" Head Bolts; Truck	HA6817					
<b>FORD 7.5L/460 V8 (Ford eng.)</b>						
1997-93; Vin G; w/EFI; F-Series	HA2140					
1992-87; Vin G, L; w/EFI; w/o Smog; Center Valve Cover Bolts; F-Series	HA2118					
1990-85; Vin G, L; w/Carb.; Truck & Motorhome	HA2120					
1984-74; Vin A, J, L; w/o Smog	HA2119					
1984-72; Vin A, J, L; w/Smog	HA2117					
1973-72; Vin J; w/o Smog; 18mm Spark Plug Holes	HA2115					
1971-68; Vin J; w/Smog; Rocker Studs	HA2116					
1971-68; Vin J; w/o Smog; Rocker Studs	HA2110					
<b>FORD 7.8L/477 V8 (Ford eng.)</b>						
1981-77; Individual Intake Ports; Truck	HA2151					
1976-70; Truck	HA2150					
1969-58; Truck	HA2149					
<b>FORD 8.8L/534 V8 (Ford eng.)</b>						
1981-77; Individual Intake Ports; Truck	HA2151					
1976-70; Truck	HA2150					
1969-58; Truck	HA2149					
<b>FORD TRUCK (See Ford)</b>						
<b>GENERAL MOTORS 1.0L/61/993cc L3 (Suzuki eng.)</b>						
1988-87; Vin 2; G10; SOHC; Turbo; w/FI; Hydraulic Lifters; Sprint	HA1802			HA1802C		
1988-85; Vin 5; G10; SOHC; w/Carb.; Mechanical Lifters; Sprint	HA1800			HA1800C		
<b>GENERAL MOTORS 1.4L/85 L4 (Chevrolet eng.)</b>						
1977-76; Vin I; SOHC; Chevette	HA1007			HA1007C		
<b>GENERAL MOTORS 1.5L/92/1471cc L4 (Isuzu eng.)</b>						
1990-87; Vin 7; 4XC1; SOHC; Spectrum	HA5800			HA5800C		
1987-85; Vin 9; 4XC1T; SOHC; Turbo; Spectrum	HA5801			HA5801C		
<b>GENERAL MOTORS 1.6L/97/1587cc L4 (Toyota eng.)</b>						
1988-85; Vin 4; 4ALC; SOHC; 8 Valve; w/Carb.; Nova	HA7008			HA7008C		
1988; Vin 5; 4AGE; DOHC; 16 Valve; w/FI; Nova	HA7022			HA7022C		
<b>GENERAL MOTORS 1.6L/98 L4 (Chevrolet eng.)</b>						
1987-82; Vin C; SOHC; w/Closed Combustion Chamber; Chevette, T1000	HA1008			HA1008C		
1987; Vin C; SOHC; w/Smog Holes on Top; Chevette, T1000	HA1009			HA1009C		
1982-76; Vin C; SOHC; w/Open Combustion Chamber; Chevette, T1000	HA1007			HA1007C		
<b>GENERAL MOTORS 1.6L/98 L4 (Pontiac eng.)</b>						
1993-88; Vin 6; SOHC; Lemans	HA4010			HA4010C		



# Hi-Tech Vision Cylinder Heads



*-Continued*

Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>GENERAL MOTORS 1.8L/111/1817cc L4 (Isuzu eng.)</b>						
1982-76; Vin N; G180, G180Z; SOHC; w/4 Smog Holes; Electric Fuel Pump; Luv Truck	HA5810			HA5810C		
1982-76; Vin N; G180, G180Z; SOHC; Mechanical Fuel Pump; Luv Truck	HA5809			HA5809C		
1982-76; Vin N; G180, G180Z; SOHC; Electric Fuel Pump; Luv Truck	HA5807			HA5807C		
1975-73; Vin N; G180, G180Z; SOHC; Aluminum Valve Cover; Luv Truck	HA5808			HA5808C		
<b>GENERAL MOTORS 1.8L/112 L4 (Chevrolet eng.)</b>						
1982; Vin G; Cast Iron	HA1010					
<b>GENERAL MOTORS 1.8L/112 L4 (Pontiac eng.)</b>						
1986-84; Vin J; SOHC; w/FI; Turbo	HA4029			HA4029C		
1986-82; Vin O; SOHC; w/FI	HA4011			HA4011C		
<b>GENERAL MOTORS 1.9L/119/1949cc L4 (Isuzu eng.)</b>						
1985-82; Vin A; G200Z; SOHC; w/Smog; 4 Holes in Head; Mechanical Fuel Pump; S-10 Truck	HA5802			HA5802C		
1985-82; Vin A; G200Z; SOHC; w/Smog; 2 Holes in Head; Mechanical Fuel Pump; S-10 Truck	HA5803			HA5803C		
1985-82; Vin A; G200Z; SOHC; Mechanical Fuel Pump; S-10 Truck	HA5811			HA5811C		
1985-82; Vin A; G200Z; SOHC; Electric Fuel Pump; S-10 Truck	HA5812			HA5812C		
<b>GENERAL MOTORS 2.0L/121 L4 (Chevrolet eng.)</b>						
1989-87; Vin 1; Aluminum	HA1013					
1984-82; Vin B, P, Y; Cast Iron	HA1011					
<b>GENERAL MOTORS 2.0L/122 L4 (Pontiac eng.)</b>						
1994-92; Vin H, N, P, R; SOHC	HA4013			HA4013C		
1991-87; Vin K, L, M; SOHC; Including Turbo	HA4012			HA4012C		
<b>GENERAL MOTORS 2.2L/134 L4 (Chevrolet eng.)</b>						
2000-94; Vin 4; RWD; No Threaded Water Holes; 2 Bolt Holes on Front of Head for Thermostat Housing; Truck	HA1016					
1999-98; Vin 4; FWD; Small Exhaust Ports; Roller Rockers; Heart Shaped Combustion Chamber	HA1017					
1997-92; Vin 4; FWD; 2 Threaded Water Holes; Freeze Plug in Front of Head	HA1015					
1991-90; Vin G; FWD	HA1014					
<b>GENERAL MOTORS 2.3L/138 L4 (Oldsmobile eng.)</b>						
1995-94; Vin A, D; DOHC; Quad 4; 16 Valve; w/o Notch at Thermostat Opening	HA9006			HA9006C		
1994; Vin 3; SOHC; Quad 4; 8 Valve; w/o Notch at Thermostat Opening	HA9005			HA9005C		
1993; Vin A, D; DOHC; Quad 4; 16 Valve; w/Notch at Thermostat Opening	HA9003			HA9003C		
1993; Vin 3; SOHC; Quad 4; 8 Valve; w/Notch at Thermostat Opening	HA9004			HA9004C		
1992-89; Vin D; DOHC; Quad 4; 16 Valve; w/Notch at Thermostat Opening	HA9033			HA9033C		
1992; Vin 3; SOHC; Quad 4; 8 Valve; w/Notch at Thermostat Opening	HA9004			HA9004C		
1989-87; Vin D; DOHC; Quad 4; 16 Valve; w/Notch at Thermostat Opening	HA9002			HA9002C		
<b>GENERAL MOTORS 2.3L/140 L4 (Chevrolet eng.)</b>						
1977-76; Vin A, B; SOHC; w/Smog; Hydraulic Lifters; Vega	HA1002			HA1002C		
1977-76; Vin A, B; SOHC; w/o Smog; Hydraulic Lifters; Vega	HA1003			HA1003C		
1975-71; Vin A, B; SOHC; w/Smog; Mechanical Lifters; Vega	HA1001			HA1001C		
1975-71; Vin A, B; SOHC; w/o Smog; Mechanical Lifters; Vega	HA1000			HA1000C		
<b>GENERAL MOTORS 2.4L/146 L4 (Oldsmobile eng.)</b>						
1999-96; Vin T; DOHC; Quad 4; 16 Valve; w/o Notch at Thermostat Opening	HA9000			HA9000C		
1999; Vin T; DOHC; Quad 4; 16 Valve; w/Smog Holes at Exhaust Ports	HA9001			HA9001C		
<b>GENERAL MOTORS 2.5L/151 L4 (Pontiac eng.)</b>						
1993-89; Vin A, R; D-Shaped Exhaust Ports; Regular Head Bolt Pattern	HA4014					
1992-89; Vin U; FWD; D-Shaped Exhaust Ports; Offset Head Bolt Pattern	HA4015					
1991-89; Vin E; RWD; Astro, Safari, S-10	HA4016					
1988-87; Vin U; Round Exhaust Ports; Offset Head Bolt Pattern	HA4008					
1988-87; Vin E, R; Round Exhaust Ports; Regular Head Bolt Pattern	HA4007					
1988; Vin E, R; FWD; Box Shaped Exhaust Ports	HA4009					
1986-85; Vin U; FWD; Offset Head Bolt Pattern	HA4006					
1986-84; Vin R; Regular Head Bolt Pattern	HA4028					

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# Hi-Tech Vision Cylinder Heads



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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>GENERAL MOTORS 2.5L/151 L4 (Pontiac eng.)</b>						
1986-84; Vin E, R, 2; Regular Head Bolt Pattern	HA4005					
1983-80; Vin F, R, S, V, 2, 5; w/Smog; Bolt Down Rocker Arms	HA4003					
1983-80; Vin F, R, S, V, 2, 5; w/o Smog; Bolt Down Rocker Arms	HA4004					
1981-78; Vin V, 1, 5, 9; w/Smog; Rocker Studs	HA4001					
1981-78; Vin V, 1, 5, 9; w/o Smog; Rocker Studs	HA4002					
1979-77; Vin V, 1; "Iron Duke"; Intake & Exhaust on Same Side; Monza	HA4000					
<b>GENERAL MOTORS 2.5L/153 L4 (Chevrolet eng.)</b>						
1974-62; All, Also Used in Marine Applications	HA1004					
<b>GENERAL MOTORS 2.8L/173 V6 (Chevrolet eng.)</b>						
1993-81; Vin R; RWD; w/MFI & CFI; Cast Iron; Truck	HA1032					
1989-87; Vin W; FWD; Aluminum	HA1039					
1986-80; Vin X, Z, 7; w/Carb.; Cast Iron	HA1031					
<b>GENERAL MOTORS 3.0L/181 L4 (Chevrolet eng.)</b>						
1997-91; Marine Applications Only; Small Intake & Exhaust Ports	HA1006					
1994-60; Marine Applications Only; Large Intake & Exhaust Ports	HA1005					
<b>GENERAL MOTORS 3.0L/181 V6 (Buick eng.)</b>						
1988-85; Vin L; FWD; w/FI	HA5007					
1985-82; Vin E; FWD; w/Carb.; Metric Bracket Bolts	HA5006					
<b>GENERAL MOTORS 3.0L/181 V6 (Cadillac eng.)</b>						
2000-97; Vin R; DOHC; 24 Valve; Catera		HA5850L	HA5851R		HA5850LC	HA5851RC
<b>GENERAL MOTORS 3.1L/189 V6 (Chevrolet eng.)</b>						
1999-96; Vin M; FWD; Roller Rockers; Aluminum	HA1029					
1999; Vin M; FWD; Roller Rockers; w/California Smog; Aluminum	HA1030					
1995-94; Vin M; FWD; Non Roller Rockers; Aluminum	HA1042					
1995-90; Vin D, T; RWD & FWD; Cast Iron	HA1032					
1994-89; Vin T; FWD; Aluminum	HA1040					
1991-89; Vin V; AWD; Turbo	HA1018					
<b>GENERAL MOTORS 3.2L/194 L6 (Chevrolet eng.)</b>						
1967-62; w/o Temperature Sending Unit	HA1020					
<b>GENERAL MOTORS 3.2L/196 V6 (Buick eng.)</b>						
1979-78; Vin C; w/Round Rocker Mount	HA5029					
<b>GENERAL MOTORS 3.3L/200 V6 (Chevrolet eng.)</b>						
1979-78; Vin M; OHV	HA1033					
<b>GENERAL MOTORS 3.3L/204 V6 (Buick eng.)</b>						
1993-92; Vin N; MFI; w/Oil Hole on Intake Side of Head	HA5010					
1991; Vin N; MFI; w/o Oil Hole on Intake Side of Head	HA5028					
1990-89; Vin N; MFI; w/o Oil Hole on Intake Side of Head	HA5009					
<b>GENERAL MOTORS 3.4L/207 V6 (Chevrolet eng.)</b>						
1999-96; Vin E; FWD; Aluminum	HA1034					
1997-96; Vin X; DOHC; 24 Valve; FWD; Clover Shaped Combustion Chamber, Oval Ports	HA1036			HA1036C		
1995-93; Vin S; RWD; Cast Iron	HA1032					
1995-91; Vin X; DOHC; 24 Valve; FWD; Rounded Combustion Chamber, Square Ports	HA1041			HA1041C		
<b>GENERAL MOTORS 3.5L/214 V6 (Oldsmobile eng.)</b>						
2000; Vin H; DOHC; 24 Valve; Intrigue		HA9011L	HA9012R		HA9011LC	HA9012RC
1999; Vin H; DOHC; 24 Valve; Intrigue		HA9009L	HA9010R		HA9009LC	HA9010RC
<b>GENERAL MOTORS 3.7L/225 V6 (Buick eng.)</b>						
1967-64; Also Used in Marine Applications	HA5000					
<b>GENERAL MOTORS 3.8L/229 V6 (Chevrolet eng.)</b>						
1984-80; Vin K, 9; OHV	HA1035					
<b>GENERAL MOTORS 3.8L/230 L6 (Chevrolet eng.)</b>						
1970-63; w/Smog	HA1019					
1970-63; w/o Smog	HA1021					

# Hi-Tech Vision Cylinder Heads



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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>GENERAL MOTORS 3.8L/231 V6 (Buick eng.)</b>						
2000-99; Vin K; RWD & FWD; Roller Rockers, 8mm Rocker Bolts	HA5012					
2000-99; Vin 1; Supercharged; FWD	HA5015					
1998-95; Vin K; RWD & FWD	HA5011					
1998-93; Vin L, 1; FWD; Incl. Supercharged; w/Oil Hole on Intake Side; 3/8" Rocker Bolts	HA5026					
1995-93; Vin L, 1; FWD; Incl. Supercharged; w/Oil Hole on Intake Side; 8mm Rocker Bolts	HA5013					
1995-93; Vin L, 1; FWD; Incl. Supercharged; w/o Oil Hole on Intake Side; 8mm Rocker Bolts	HA5014					
1992; Vin C, L, 1; FWD; Incl. Supercharged; w/o Oil Hole on Intake Side; 3/8" Rocker Bolts	HA5027					
1991-88; Vin C, L, 1; FWD; Incl. Supercharged; w/o Oil Hole on Intake Side; 3/8" Rocker Bolts	HA5009					
1989; Vin 7; Turbo; Trans Am	HA5008					
1988-86; Vin B, 3; FWD	HA5007					
1987-82; Vin A, 2; RWD; w/Metric Bracket Bolts	HA5006					
1982-79; Vin A, 2; OHV	HA5004					
1981-80; Vin A, 2; RWD; w/Standard Bracket Bolts	HA5005					
1978-77; Vin A; RWD; w/Round Rocker Mount	HA5003					
1977-75; Vin A; RWD; w/Flat Rocker Mount; w/California Smog; Holes Over Exhaust Ports	HA5002					
1977-75; Vin A; RWD; w/Flat Rocker Mount	HA5001					
<b>GENERAL MOTORS 3.9L/235 L6 (Chevrolet eng.)</b>						
1962-58; OHV	HA1022					
<b>GENERAL MOTORS 4.0L/244 V8 (Oldsmobile eng.)</b>						
2000-95; Vin C; DOHC; Northstar; 32 Valve; Aurora		HA9015L	HA9016R		HA9015LC	HA9016RC
<b>GENERAL MOTORS 4.1L/250 L6 (Chevrolet eng.)</b>						
1986-83; Vin D; w/5 Smog Holes; Integral 2 bbl. Intake, 5" Wide Valve Cover	HA1027					
1985-67; Vin D, Q; w/Smog; Non-Integral Intake	HA1019					
1985-67; Vin D, Q; w/o Smog; Non-Integral Intake	HA1021					
1984-79; Vin D, Q; w/4 Smog Holes; Integral 2 bbl. Intake, 5" Wide Valve Cover	HA1026					
1979-75; Vin D, Q; w/Integral Intake, 7" Wide Valve Cover	HA1023					
1978-77; Vin D, Q; w/Smog; 6 Holes in Head, Integral 1 bbl. Intake, 5" Wide Valve Cover	HA1024					
1978-77; Vin D, Q; w/o Smog; Integral Intake, 5" Wide Valve Cover	HA1025					
<b>GENERAL MOTORS 4.1L/252 V6 (Buick eng.)</b>						
1984-82; Vin 4; OHV	HA5006					
1981-80; Vin 4; OHV	HA5005					
<b>GENERAL MOTORS 4.1L/252 V8 (Cadillac eng.)</b>						
1988-85; Vin 7, 8; FWD, RWD & Transverse; Closed Chamber; 4 Bolt Holes for Rocker Bar; Incl. Allante	HA1517					
1986-84; Vin 8; FWD, RWD & Transverse; Open Chamber; 4 Bolt Holes for Rocker Bar	HA1516					
1986-82; Vin 8; FWD, RWD & Transverse; Open Chamber; No Bolt Holes for Rocker Bar	HA1514					
1985-84; Vin 8; FWD, RWD & Transverse; Closed Chamber; No Bolt Holes for Rocker Bar	HA1515					
<b>GENERAL MOTORS 4.3L/260 V6 (Oldsmobile eng.)</b>						
1985-82; Vin V; Diesel; RWD; Cast Iron	HA9008					
1985-82; Vin T; Diesel; FWD; Aluminum	HA9007					
<b>GENERAL MOTORS 4.3L/260 V8 (Oldsmobile eng.)</b>						
1982-77; Vin F, 8; w/Smog	HA9026					
1979-77; Vin F; w/o Smog	HA9014					
1976-75; Vin F; w/o Smog	HA9013					
<b>GENERAL MOTORS 4.3L/262 V6 (Chevrolet eng.)</b>						
2001-00; Vin W, X; Roller Rockers	HA1049					
1999-96; Vin W, X; Screw in Rocker Studs	HA1045					

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# Hi-Tech Vision Cylinder Heads



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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>GENERAL MOTORS 4.3L/262 V6 (Chevrolet eng.)</b>						
1997-96; Truck; Heavy Duty, Over 8500 lbs. G.V.W.	HA1047					
1995-92; Vin W, Z; Screw in Rocker Studs; Notch in Intake Ports; Square Exhaust Ports	HA1046					
1995-92; Vin W, Z; Pressed in Rocker Studs; Notch in Intake Ports; Square Exhaust Ports	HA1044					
1995-91; Vin B, W, Z; Pressed in Rocker Studs; Two Sensors	HA1048					
1995-91; Vin B, W, Z; Non-Adjustable Screw in 5/16" Rocker Studs	HA1043					
1991-87; Vin B, Z; 3 Bracket Holes on Front and Rear of Head	HA1038					
1986-85; Vin N, Z; OHV	HA1037					
<b>GENERAL MOTORS 4.3L/262 V8 (Chevrolet eng.)</b>						
1976-75; Vin G; 6 Bolt Holes for Exhaust. Vin "G"	HA1136					
<b>GENERAL MOTORS 4.3L/265 V8 (Chevrolet eng.)</b>						
1996-94; Vin W; LT1, All	HA1096					
<b>GENERAL MOTORS 4.3L/265 V8 (Pontiac eng.)</b>						
1981-80; Vin S; OHV	HA4027					
<b>GENERAL MOTORS 4.4L/267 V8 (Chevrolet eng.)</b>						
1982-79; Vin J; OHV	HA1058					
<b>GENERAL MOTORS 4.5L/273 V8 (Cadillac eng.)</b>						
1992-89; Vin 3, 5, 8; Transverse; Allante	HA1523					
1989-87; Vin 5, 8; Transverse; Allante	HA1518					
<b>GENERAL MOTORS 4.6L/281 V8 (Cadillac eng.)</b>						
2000-95; Vin Y, 9; DOHC; Northstar; 32 Valve; FWD; w/o Notch in Intake Port for Injector		HA1521L	HA1522R		HA1521LC	HA1522RC
1994-93; Vin Y, 9; DOHC; Northstar; 32 Valve; FWD; w/Notch in Intake Port for Injector		HA1519L	HA1520R		HA1519LC	HA1520RC
<b>GENERAL MOTORS 4.6L/283 V8 (Chevrolet eng.)</b>						
1967-64; OHV	HA1059					
<b>GENERAL MOTORS 4.8L/292 L6 (Chevrolet eng.)</b>						
1990-85; Vin T; Large Smog Holes	HA1028					
1985-67; Vin T; w/Smog Holes	HA1019					
1985-67; Vin T; w/o Smog Holes	HA1021					
<b>GENERAL MOTORS 4.8L/292 V8 (Chevrolet eng.)</b>						
2001-99; Vin V; Aluminum	HA1111					
<b>GENERAL MOTORS 4.9L/300 V8 (Cadillac eng.)</b>						
1995-91; Vin B; Incl. Allante	HA1523					
<b>GENERAL MOTORS 4.9L/301 V8 (Pontiac eng.)</b>						
1981-80; Vin W, T; w/Smog	HA4018					
1979-77; Vin W, Y; w/o Smog	HA4017					
<b>GENERAL MOTORS 5.0L/305 V6 (Chevrolet eng.)</b>						
1975-63; Vin A; GMC	HA1050					
<b>GENERAL MOTORS 5.0L/305 V8 (Chevrolet eng.)</b>						
2000-96; Vin H, M; Truck	HA1062					
1995-86; Vin E, G, H; Center Valve Cover Bolts	HA1064					
1990-86; Vin G, H; 1 Piece Seal; VIN G, H; Perimeter Valve Cover Bolts; w/Carb.; Flat Cam	HA1121					
1987-78; Vin F, G, H, U; 3/8" or 1/2" Temp. Sensor Hole, 1.840" Intake Valve	HA1061					
1987-78; Vin F, G, H, U; 3/8" or 1/2" Temp. Sensor Hole, 1.720" Intake Valve	HA1060					
1986-80; Vin H; HO, EFI; Crossfire	HA1063					
1985; Vin G, H, 7; 2 Piece Seal; VIN G, H, 7; Flat Cam	HA1121					
1979-76; Vin G, H, Q, U; 6 Bolt Holes for Exhaust	HA1057					
<b>GENERAL MOTORS 5.0L/307 V8 (Chevrolet eng.)</b>						
1973-71; Vin F; Small Spark Plugs	HA1067					
1973-68; Vin F; Large Spark Plugs	HA1065					
<b>GENERAL MOTORS 5.0L/307 V8 (Oldsmobile eng.)</b>						
1990-85; Vin Y; OHV	HA9027					
1984-80; Vin Y; OHV	HA9024					

# Hi-Tech Vision Cylinder Heads



*-Continued*

Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>GENERAL MOTORS 5.3L/323 V8 (Chevrolet eng.)</b>						
2001-99; Vin T; Aluminum	HA1111					
<b>GENERAL MOTORS 5.3L/327 V8 (Chevrolet eng.)</b>						
1969-68; OHV	HA1066					
1967-62; OHV	HA1068					
<b>GENERAL MOTORS 5.7L/346 V8 (Chevrolet eng.)</b>						
1999-97; Vin G; Aluminum; Camaro, Corvette, Firebird	HA1100					
<b>GENERAL MOTORS 5.7L/350 V8 (Buick eng.)</b>						
1980-72; Vin H, J, X; w/Smog	HA5018					
1980-72; Vin H, J, X; w/o Smog	HA5019					
1971-70; w/o Smog	HA5017					
1969-68; w/o Smog; Oils Through Rocker Shaft	HA5016					
<b>GENERAL MOTORS 5.7L/350 V8 (Chevrolet eng.)</b>						
2000-96; Vin R; Truck, Up To 3500 Series	HA1078					
2000-96; Vin R; Truck, Over 3500 Series	HA1079					
2000-96; Vortec; Gen Plus Head; 2 or 4 Bolt Main; Roller Cam	HA1122					
1997-92; Vin P; LT1; Aluminum; Camaro, Corvette, Firebird	HA1075					
1996-94; Vin P; Cast Iron; Caprice, Impala SS, Roadmaster	HA1076					
1996; Vin P; LT4; Aluminum; 54cc Combustion Chamber; Camaro SS, Corvette	HA1080					
1995-87; Vin K, M, T; Center Valve Cover Bolts	HA1073					
1995-87; Heavy Duty; w/Sodium Exhaust Valves; Center Valve Cover Bolts; Truck	HA1108					
1995-86; Vin K; EFI; Center Valve Cover Bolts; Both Heads 3/8" Mounting Holes	HA1123					
1991-86; Aluminum; Corvette Only	HA1099					
1990-85; Vin L, M; Perimeter Valve Cover Bolts; Right Head 7/16" Mounting Holes, Left Head 3/8" Bolt Holes	HA1125					
1990-85; Vin L, M; Perimeter Valve Cover Bolts; Both Heads 7/16" Mounting Holes	HA1124					
1990-85; Vin L, M, 6; Perimeter Valve Cover Bolts; Both Heads 3/8" Mounting Holes	HA1126					
1986-80; Vin L, M, P, 6, 8; w/7 Bolt Holes for Exhaust; 1.94" Intake Valve	HA1072					
1986-78; Heavy Duty; w/Sodium Exhaust Valves; 7 Bolt Holes for Exhaust; 1.72" Intake Valve; Truck	HA1107					
1986-71; Vin L, M, P, 6, 8; w/6 Bolt Holes for Exhaust; 1.94" Intake Valve; 76cc Combustion Chamber	HA1071					
1985-71; Vin L, M, P; w/Three 7/16" Bolt Holes on Front of Right Side Head; Truck	HA1104					
1979-71; Vin K, L, T, V, Y, 4, 8; 2.02" Intake Valve; 76cc Combustion Chamber	HA1070					
1979-71; Vin K, L, T, V, Y, 4, 8; 1.94" Intake Valve; 68cc Combustion Chamber	HA1066					
1978; Vin L; w/Three 7/16" Bolt Holes on Front of Right Side Head; Light Weight Casting; Truck	HA1105					
1977-71; Vin L, V, Y; Sodium Exhaust Valves; Truck	HA1106					
1970-68; Large Spark Plugs	HA1069					
<b>GENERAL MOTORS 5.7L/350 V8 (Oldsmobile eng.)</b>						
1985-81; Vin N; Diesel; w/Screw in Injectors	HA9031					
1985-81; Vin N; Diesel; w/Press in Injectors, Large or Small Opening at Pre-Combustion Chamber	HA9030					
1981-80; Vin R; w/Smog	HA9025					
1980-77; Vin R; w/o Smog	HA9019					
1980; Vin N; Diesel; w/Screw in Injectors	HA9029					
1980; Vin N; Diesel; w/3/8" Press in Injectors	HA9032					
1979-78; Vin N; Diesel; w/5/16" Press in Injectors	HA9028					
1976-70; Vin R; w/Smog	HA9018					
1976-70; Vin R; w/o Smog	HA9017					
<b>GENERAL MOTORS 5.7L/350 V8 (Pontiac eng.)</b>						
1979-72; Vin M, P; w/Smog; Small Valves	HA4025					
1979-72; Vin M, P; w/o Smog; Small Valves	HA4021					
1971-68; No Eyebrow Over Center Exhaust Port on Intake Side; Match Casting Numbers	HA4019					

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# Hi-Tech Vision Cylinder Heads



-Continued

Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>GENERAL MOTORS 5.8L/351 V6 (Chevrolet eng.)</b>						
1975-63; Vin C; Non-Magnum; GMC	HA1052					
1973-66; Vin C; Magnum; GMC	HA1054					
<b>GENERAL MOTORS 6.0L/364 V8 (Chevrolet eng.)</b>						
2000-99; Vin U; Cast Iron; 2500 Series Truck	HA1112					
<b>GENERAL MOTORS 6.0L/366 V8 (Chevrolet eng.)</b>						
1996-91; Vin P; w/Bolt Down Rockers; Truck	HA1084					
1996-91; Truck Med. Duty; Mark V	HA1127					
1990-85; Vin P; w/Screw in Studs; Small Intake Ports; Truck	HA1083					
1990-85; Vin P; w/Screw in Studs; Large Intake Ports; "Hi-Perf" Casted on Top; Truck	HA1082					
1990-85; Truck Med. Duty; Mark IV	HA1128					
1984-66; w/o Bracket Holes; Truck	HA1085					
1984-66; w/2 Bracket Bolt Holes Above Exhaust Ports; Truck	HA1081					
<b>GENERAL MOTORS 6.0L/368 V8 (Cadillac eng.)</b>						
1984-81; Vin 6, 9; w/Double Rocker Arm Bolt	HA1512					
1984-80; Vin 6, 9; w/Single Rocker Arm Bolt	HA1511					
<b>GENERAL MOTORS 6.2L/379 V6 (Chevrolet eng.)</b>						
1975-63; Non-Magnum; GMC	HA1053					
1975-63; Magnum; GMC	HA1051					
<b>GENERAL MOTORS 6.2L/379 V8 (Chevrolet eng.)</b>						
1993-90; Diesel; 1.811" Intake, 1.654" Exhaust Valve	HA1118					
1993-90; Diesel; 1.811" Intake, 1.495" Exhaust Valve	HA1117					
1989-84; Diesel; 1.968" Intake, 1.654" Exhaust Valve; Fine Thread Injectors	HA1103					
1989-84; Diesel; 1.968" Intake, 1.495" Exhaust Valve; Fine Thread Injectors	HA1102					
1989-84; Diesel; 1.811" Intake, 1.654" Exhaust Valve; Fine Thread Injectors	HA1101					
1989-84; Diesel; 1.811" Intake, 1.495" Exhaust Valve; Fine Thread Injectors	HA1098					
1984-83; Diesel; 1.811" Intake, 1.495" Exhaust Valve; Course Thread Injectors	HA1134					
1984-82; Diesel; 1.968" Intake, 1.654" Exhaust Valve; Course Thread Injectors	HA1116					
1984-82; Diesel; 1.968" Intake, 1.495" Exhaust Valve; Course Thread Injectors	HA1115					
1984-82; Diesel; 1.811" Intake, 1.654" Exhaust Valve; Course Thread Injectors	HA1114					
1982; Diesel; 1.811" Intake, 1.495" Exhaust Valve; Course Thread Injectors	HA1113					
<b>GENERAL MOTORS 6.5L/395 V8 (Chevrolet eng.)</b>						
2000-96; Vin F, S; Diesel; Turbo; Van Only; Intake Manifold Bolts are in on an Angle	HA1120					
2000-92; Vin F, P, S; Diesel; Incl. Turbo, Non-Turbo; Exc. 00-97 Van	HA1119					
<b>GENERAL MOTORS 6.6L/396 V8 (Chevrolet eng.)</b>						
1972-65; OHV	HA1088					
<b>GENERAL MOTORS 6.6L/400 V8 (Chevrolet eng.)</b>						
1982-78; w/Sodium Exhaust Valves; w/1.72" Intake Valve; 7 Bolt Holes for Exhaust; Truck	HA1110					
1982-78; w/1.94" Intake Valve	HA1077					
1977-71; w/Sodium Exhaust Valves; w/1.72" Intake Valve; 7 Bolt Holes for Exhaust; Truck	HA1109					
1977-71; w/1.94" Intake Valve	HA1074					
<b>GENERAL MOTORS 6.6L/400 V8 (Pontiac eng.)</b>						
1979-72; Vin P; w/Smog	HA4031					
1979-72; Vin P; w/o Smog	HA4023					
1971-68; No Eyebrow Over Center Exhaust Port on Intake Side; Match Casting Numbers	HA4030					
1967; California Smog; No Eyebrow Over Center Exhaust Port on Intake Side; Small Combustion Chamber	HA4020					
<b>GENERAL MOTORS 6.6L/401 V6 (Chevrolet eng.)</b>						
1974-66; Magnum; GMC	HA1137					
<b>GENERAL MOTORS 6.6L/402 V8 (Chevrolet eng.)</b>						
1972-65; OHV	HA1088					

# Hi-Tech Vision Cylinder Heads



*-Continued*

Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>GENERAL MOTORS 6.6L/403 V8 (Oldsmobile eng.)</b>						
1979-77; Vin K; w/Smog	HA9020					
1979-77; Vin K; w/o Smog	HA9021					
<b>GENERAL MOTORS 7.0L/425 V8 (Cadillac eng.)</b>						
1979-77; Vin S, T; w/Smog	HA1502					
1979-77; Vin S, T; w/o Smog	HA1503					
<b>GENERAL MOTORS 7.0L/427 V8 (Chevrolet eng.)</b>						
Hi-Perf.; Square Intake Ports	HA1091					
1996-91; Vin M; w/Bolt Down Rockers; Truck Med. Duty; Mark V	HA1084					
1990-68; Vin L; Truck Med. Duty; Mark IV	HA1086					
<b>GENERAL MOTORS 7.0L/429 V8 (Cadillac eng.)</b>						
1967-65; OHV	HA1513					
<b>GENERAL MOTORS 7.0L/430 V8 (Buick eng.)</b>						
1969-67; OHV	HA5020					
<b>GENERAL MOTORS 7.1L/432 V6 (Chevrolet eng.)</b>						
1975-60; Magnum; GMC	HA1055					
<b>GENERAL MOTORS 7.4L/454 V8 (Chevrolet eng.)</b>						
Hi-Perf.; Square Intake Ports	HA1138					
1999-98; Roller Cam; Truck Light, Med. Duty; Mark VI	HA1129					
1999-96; Vin N; D-Shaped Exhaust Ports; Closed Combustion Chamber; No Intake Crossover	HA1095					
1997-91; Flat Cam; Truck Light, Med. Duty; Mark V	HA1130					
1995-91; Vin N; w/Bolt Down Rockers	HA1093					
1995-91; Flat Cam; Industrial; Mark V	HA1131					
1991-79; Vin N, W; w/Valve Spring Shields, Small Intake Ports	HA1094					
1987-79; Vin N, W; w/o Valve Spring Shields, Small Intake Ports	HA1090					
1987-79; Vin N, W; w/ or w/o Valve Spring Shields, Small Intake Ports	HA1092					
1984-73; Vin W, Z; OHV	HA1087					
1984-71; Vin W, Z; OHV	HA1089					
<b>GENERAL MOTORS 7.5L/455 V8 (Buick eng.)</b>						
1976-75; Vin B; w/Smog	HA5024					
1976-75; Vin B; w/o Smog	HA5025					
1974-72; Vin B; w/Smog	HA5023					
1972; Vin B; OHV	HA5022					
1971-70; Vin B; OHV	HA5021					
<b>GENERAL MOTORS 7.5L/455 V8 (Oldsmobile eng.)</b>						
1976-72; Vin R, S, T, U, V, W; w/Smog	HA9022					
1976-72; Vin R, S, T, U, V, W; w/o Smog	HA9023					
<b>GENERAL MOTORS 7.5L/455 V8 (Pontiac eng.)</b>						
1979-72; Vin P, W, X, Y; w/Smog; Short Valves; Large Combustion Chamber	HA4026					
1979-72; Vin P, W, X, Y; w/o Smog; Short Valves; Large Combustion Chamber	HA4024					
1971-70; No Eyebrow Over Center Port on Intake Side	HA4022					
<b>GENERAL MOTORS 7.7L/472 V8 (Cadillac eng.)</b>						
1974-71; Vin R; OHV		HA1505L	HA1506R			
1970-68; w/Smog	HA1504					
<b>GENERAL MOTORS 7.8L/478 V6 (Chevrolet eng.)</b>						
1975-66; Truck	HA1056					
<b>GENERAL MOTORS 8.1L/496 V8 (Chevrolet eng.)</b>						
2003-01; Roller Cam; Light, Med. & Heavy Duty Truck	HA1132					
<b>GENERAL MOTORS 8.2L/500 V8 (Cadillac eng.)</b>						
1976-75; Vin S; w/Smog		HA1507L	HA1508R			
1976-75; Vin S; w/o Smog		HA1509L	HA1510R			
1974-71; Vin S; OHV		HA1505L	HA1506R			

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# Hi-Tech Vision Cylinder Heads



*-Continued*

Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>GENERAL MOTORS 8.2L/502 V8 (Chevrolet eng.)</b>						
1999-91; w/Rectangular Intake Ports	HA1097					
<b>GEO 1.0L/993cc L3 (Suzuki eng.)</b>						
2000-89; Vin 6; G10; SOHC; w/FI; Hydraulic Lifters; Metro	HA1801			HA1801C		
1991-89; Vin 2; G10; SOHC; Turbo; w/FI; Hydraulic Lifters; Metro	HA1802			HA1802C		
<b>GEO 1.3L/1298cc L4 (Suzuki eng.)</b>						
2001-98; Vin 2; G13BA; SOHC; 16 Valve; Round Exhaust Ports; Adjustable Rockers; Metro	HA1809			HA1809C		
1997-95; Vin 9; G13BA; SOHC; 8 Valve; Square Exhaust Ports; Hydraulic Lifters; Roller Rockers, Slot in Camshaft for Distributor; Metro	HA1806			HA1806C		
<b>GEO 1.6L/1587cc L4 (Toyota eng.)</b>						
1997-93; Vin 6; 4AFE; DOHC; 16 Valve; Prizm Gsi	HA7082			HA7082C		
1997-89; Vin 6; 4AGE; DOHC; 16 Valve; Prizm	HA7022			HA7022C		
1992-89; Vin 6; 4AFE; DOHC; 16 Valve; Prizm Gsi	HA7026			HA7026C		
<b>GEO 1.6L/1588cc L4 (Isuzu eng.)</b>						
1993-90; Vin 6; 4XE1; SOHC; 12 Valve; Storm	HA5805			HA5805C		
1991-90; Vin 5; 4XE1; DOHC; 16 Valve; Storm Gsi	HA5813			HA5813C		
<b>GEO 1.6L/1590cc L4 (Suzuki eng.)</b>						
1998-92; Vin 6; G16, G16K; SOHC; 16 Valve; w/FI; Gear on Camshaft; Tracker	HA1811			HA1811C		
1995-89; Vin U; G16, G16K; SOHC; 8 Valve; w/FI; Gear on Camshaft; Tracker	HA1803			HA1803C		
<b>GEO 1.8L/1762cc L4 (Toyota eng.)</b>						
1997-92; Vin 8; 7AFE; DOHC; 16 Valve; Prizm; From 6/92	HA7041			HA7041C		
<b>GEO 1.8L/1809cc L4 (Isuzu eng.)</b>						
1993-92; Vin 8; 4XF1; DOHC; 16 Valve; Storm	HA5813			HA5813C		
<b>GEO 2.0L/121 L4 (Chevrolet eng.)</b>						
2000-99; Vin G; DOHC; 16 Valve; Tracker	HA1012			HA1012C		
<b>GMC TRUCK (See General Motors)</b>						
<b>HONDA 1.2L/1237cc L4 (Honda eng.)</b>						
1979-74; EB2, EB3; SOHC; Civic	HA8004			HA8004C		
<b>HONDA 1.3L/1335cc L4 (Honda eng.)</b>						
1983-82; EJ1; SOHC; w/4 Exhaust Ports; Civic	HA8006			HA8006C		
1981-80; EJ1; SOHC; w/2 Exhaust Ports; Civic	HA8005			HA8005C		
<b>HONDA 1.3L/1342cc L4 (Honda eng.)</b>						
1987-84; D13A2; SOHC; 8 Valve; Civic, CRX	HA8003			HA8003C		
<b>HONDA 1.5L/1488cc L4 (Honda eng.)</b>						
1987-85; EW3, EW4; SOHC; 12 Valve; w/FI; Civic, CRX	HA8009			HA8009C		
1987-84; D15A2, EW1; SOHC; 12 Valve; Civic, CRX	HA8001			HA8001C		
1983-80; EM1; SOHC; 8 Valve; w/4 Exhaust Ports; Civic	HA8002			HA8002C		
1979-76; ED3, ED4; SOHC; 8 Valve; w/2 Exhaust Ports; Civic	HA8000			HA8000C		
<b>HONDA 1.5L/1493cc L4 (Honda eng.)</b>						
1995-92; D15Z1; SOHC; 16 Valve; VTEC; Civic	HA8032			HA8032C		
1995-88; D15B6, D15B8; SOHC; 8 Valve; Civic, CRX	HA8011			HA8011C		
1995-88; D15B2, D15B7; SOHC; 16 Valve; Civic DX, CRX, Del Sol; w/Programmed Fuel Injection	HA8010			HA8010C		
<b>HONDA 1.6L/1590cc L4 (Honda eng.)</b>						
2000-96; D16Y8; SOHC; 16 Valve; VTEC; Civic EX	HA8040			HA8040C		
2000-96; D16Y7; SOHC; 16 Valve; Civic DX	HA8038			HA8038C		
2000-96; D16Y5; SOHC; 16 Valve; VTEC; Civic HX	HA8037			HA8037C		
1995-92; D16Z6; SOHC; 16 Valve; VTEC; Civic, CRX, Del Sol	HA8033			HA8033C		
1991-88; D16A6; SOHC; 16 Valve; Civic, CRX	HA8013			HA8013C		
<b>HONDA 1.6L/1595cc L4 (Honda eng.)</b>						
2000-96; B16A2; DOHC; 16 Valve; VTEC; Civic, Del Sol Si	HA8041			HA8041C		
1995-94; B16A3; DOHC; 16 Valve; VTEC; Del Sol Si	HA8034			HA8034C		



# Hi-Tech Vision Cylinder Heads



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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>HONDA 1.8L/1751cc L4 (Honda eng.)</b>						
1983-82; EK1; SOHC; 8 Valve; w/4 Exhaust Ports; Accord, Prelude	HA8008			HA8008C		
1981-80; EK1; SOHC; 8 Valve; w/4 Exhaust Ports; Accord, Prelude	HA8007			HA8007C		
1980-79; EK1; SOHC; 8 Valve; w/2 Exhaust Ports; Accord, Prelude	HA8014			HA8014C		
<b>HONDA 1.8L/1829cc L4 (Honda eng.)</b>						
1987-84; ET2, A18A1; SOHC; 12 Valve; w/Twin Carb.; Outer Oil Feed Back of Head; Prelude	HA8026			HA8026C		
1987-84; ET2, A18A1; SOHC; 12 Valve; w/Twin Carb.; Inner Oil Feed Back of Head; Prelude	HA8018			HA8018C		
1985-84; ES2; SOHC; 12 Valve; w/Single Carb.; Accord	HA8016			HA8016C		
1985; ES3; SOHC; 12 Valve; w/Fl; Accord	HA8017			HA8017C		
1983; ES1; SOHC; 12 Valve; w/Twin Carb.; Prelude	HA8015			HA8015C		
<b>HONDA 2.0L/1955cc L4 (Honda eng.)</b>						
1989-85; A20A3; SOHC; 12 Valve; w/Fl; 2 Ear Distributor Mount; Accord LXI, Prelude SI	HA8020			HA8020C		
1989-85; A20A1; SOHC; 12 Valve; w/Carb.; 1 Ear Distributor Mount; Accord, Prelude	HA8021			HA8021C		
<b>HONDA 2.0L/1958cc L4 (Honda eng.)</b>						
1991-88; B20A5; DOHC; 16 Valve; w/Fl; Prelude	HA8023			HA8023C		
1991-88; B20A3; SOHC; 12 Valve; w/Carb.; Prelude	HA8022			HA8022C		
<b>HONDA 2.0L/1972cc L4 (Honda eng.)</b>						
1999-97; B20B4; DOHC; 16 Valve; CRV	HA8042			HA8042C		
<b>HONDA 2.1 L/2056cc L4 (Honda eng.)</b>						
1991-90; B21A1; DOHC; 16 Valve; Prelude SI	HA8025			HA8025C		
<b>HONDA 2.1L/2156cc L4 (Honda eng.)</b>						
1997-94; F22B2, F22B6; SOHC; 16 Valve; Accord, Odyssey	HA8031			HA8031C		
1997-94; F22B1; SOHC; 16 Valve; VTEC; Accord	HA8030			HA8030C		
1996-92; F22A1, F22A4, F22A6; SOHC; 16 Valve; Accord, Prelude	HA8069			HA8069C		
1991-90; F22A1, F22A4, F22A6; SOHC; 16 Valve; Accord, Prelude	HA8024			HA8024C		
<b>HONDA 2.2L/2162cc L4 (Honda eng.)</b>						
2000-97; H22A4; DOHC; 16 Valve; VTEC; Prelude	HA8043			HA8043C		
1996-93; H22A1; DOHC; 16 Valve; VTEC; Prelude	HA8035			HA8035C		
<b>HONDA 2.3L/2254cc L4 (Honda eng.)</b>						
2000-98; F23A1, F23A4, F23A5; SOHC; 16 Valve; VTEC; Accord, Odyssey	HA8044			HA8044C		
<b>HONDA 2.3L/2259cc L4 (Honda eng.)</b>						
1996-92; H23A1; DOHC; 16 Valve; Prelude	HA8036			HA8036C		
<b>HONDA 2.6L/2559cc L4 (Isuzu eng.)</b>						
1996-94; 4ZE1; SOHC; 8 Valve; Passport	HA5815			HA5815C		
<b>HONDA 2.7L/2675cc V6 (Honda eng.)</b>						
1997-95; C27A4; SOHC; 24 Valve; Accord		HA8061L	HA8062R		HA8061LC	HA8062RC
<b>HONDA 3.0L/2998cc V6 (Honda eng.)</b>						
2000-98; J30A1; SOHC; 24 Valve; VTEC; Accord		HA8057L	HA8058R		HA8057LC	HA8058RC
<b>HONDA 3.2L/3165cc V6 (Isuzu eng.)</b>						
1999-98; 6VD1; DOHC; 24 Valve; Passport		HA5824L	HA5823R		HA5824LC	HA5823RC
1997-95; 6VD1; SOHC; 24 Valve; Passport; After 1/95		HA5854L	HA5855R		HA5854LC	HA5855RC
1995-94; 6VD1; SOHC; 24 Valve; Passport; Before 1/95		HA5818L	HA5821R		HA5818LC	HA5821RC
<b>HONDA 3.5L/3500cc V6 (Honda eng.)</b>						
2000-99; J35A1; SOHC; 24 Valve; VTEC; Odyssey		HA8067L	HA8068R		HA8067LC	HA8068RC
<b>HYUNDAI 1.5L/1468cc L4 (Mitsubishi eng.)</b>						
1995-93; G4DJ; SOHC; 12 Valve; w/Fl; Scoupe	HA6505			HA6505C		
1994-90; G4AJ; SOHC; 8 Valve; w/Fl; w/o Jet Valves; Excel, Scoupe	HA6537			HA6537C		
1989-86; G4AJ; SOHC; 8 Valve; w/Carb.; w/Jet Valves; Excel, Scoupe	HA6502			HA6502C		

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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>HYUNDAI 1.5L/1495cc L4 (Mitsubishi eng.)</b>						
1999-94; G4EK; SOHC; 12 Valve; w/Cam Sensor; Accent, Scoupe	HA6507			HA6507C		
1998-96; JG4EK; DOHC; 16 Valve; Accent	HA6508			HA6508C		
1994-93; G4EK; SOHC; 12 Valve; w/FI; Incl. Turbo; w/o Cam Sensor; Scoupe	HA6506			HA6506C		
<b>HYUNDAI 1.6L/1595cc L4 (Mitsubishi eng.)</b>						
1995-94; G4DR; DOHC; 16 Valve; Elantra; From 4/15/94	HA6582			HA6582C		
1994-92; G4DR; DOHC; 16 Valve; Elantra; Before 4/15/94	HA6581			HA6581C		
<b>HYUNDAI 1.8L/1796cc L4 (Mitsubishi eng.)</b>						
1998-96; G4DM; DOHC; 16 Valve; Elantra, Tiburon	HA6544			HA6544C		
1995-94; 4G67; DOHC; 16 Valve; Elantra; From 4/15/94	HA6545			HA6545C		
1994-93; 4G67; DOHC; 16 Valve; Elantra; Before 4/15/94	HA6546			HA6546C		
HYUNDAI 2.0L/1975cc L4 (Mitsubishi eng.)						
2000-97; Vin F; DOHC; 16 Valve; Tiburon	HA6513			HA6513C		
<b>HYUNDAI 2.0L/1997cc L4 (Mitsubishi eng.)</b>						
2000-99; G4CP; DOHC; 16 Valve; Elantra	HA6515			HA6515C		
1998-96; G4CP; DOHC; 16 Valve; FWD; Sonata	HA6526			HA6526C		
1995; G4CP; DOHC; 16 Valve; FWD; Sonata	HA6525			HA6525C		
1994-92; G4CP; DOHC; 16 Valve; FWD; Sonata	HA6514			HA6514C		
<b>HYUNDAI 2.4L/2351cc L4 (Mitsubishi eng.)</b>						
2000-99; 4G64; DOHC; 16 Valve; FWD; Sonata	HA6516			HA6516C		
1991-89; G64B; SOHC; 8 Valve; FWD; w/o Jet Valves; Sonata	HA6536			HA6536C		
1991-89; G64B; SOHC; 8 Valve; FWD; w/Jet Valves; Sonata	HA6519			HA6519C		
HYUNDAI 2.5L/2500cc V6 (Mitsubishi eng.)						
2000-99; DOHC; 24 Valve; FWD; Sonata		HA6557L	HA6558R		HA6557LC	HA6558RC
<b>HYUNDAI 3.0L/2972cc V6 (Mitsubishi eng.)</b>						
1998-96; 6G72; SOHC; 12 Valve; Sonata		HA6571L	HA6570R		HA6571LC	HA6570RC
1995-90; 6G72; SOHC; 12 Valve; Sonata		HA6559L	HA6560R		HA6559LC	HA6560RC
<b>IHC/NAVISTAR 3.8L/232 L6 (AMC eng.)</b>						
1974-72; Rocker Studs	HA6003					
1972-64; Rocker Shaft	HA6002					
<b>IHC/NAVISTAR 4.2L/258 L6 (AMC eng.)</b>						
1974-72; Rocker Studs	HA6003					
1972-64; Rocker Shaft	HA6002					
<b>IHC/NAVISTAR 4.4L/266 V8 (IHC eng.)</b>						
1969-58; w/Flat Pistons	HA6800					
1969-58; w/Dish Pistons	HA6801					
<b>IHC/NAVISTAR 5.0L/304 V8 (IHC eng.)</b>						
1980-58; w/Smog; Flat Pistons	HA6803					
1980-58; w/o Smog; Flat Pistons	HA6804					
1980-58; w/Dome Pistons	HA6802					
<b>IHC/NAVISTAR 5.7L/345 V8 (IHC eng.)</b>						
1984-58; w/Flat Pistons; Small Combustion Chamber	HA6806					
1984-58; w/Flat Pistons; Large Combustion Chamber	HA6807					
1984-58; w/Dome Pistons	HA6805					
<b>IHC/NAVISTAR 6.4L/392 V8 (IHC eng.)</b>						
1984-62; w/Smog; w/Improved Cooling	HA6810					
1984-62; w/Smog; w/Flat Pistons	HA6809					
1984-62; w/o Smog; w/Improved Cooling	HA6822					
1984-62; w/o Smog; w/Flat Pistons	HA6821					
1984-62; w/Dome Pistons	HA6808					
<b>IHC/NAVISTAR 6.6L/401 V8 (IHC eng.)</b>						
1978-56; OHV	HA6811					
<b>IHC/NAVISTAR 6.6L/404 V8 (IHC eng.)</b>						
1984-75; w/Smog	HA6812					
1984-75; w/o Smog	HA6813					

# Hi-Tech Vision Cylinder Heads



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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>IHC/NAVISTAR 6.9L/421 V8 (IHC eng.)</b>						
1986-83; Diesel; w/7/16" Head Bolts	HA6816					
<b>IHC/NAVISTAR 7.3L/445 V8 (IHC eng.)</b>						
1994-88; Diesel; w/1/2" Head Bolts	HA6817					
<b>IHC/NAVISTAR 7.3L/446 V8 (IHC eng.)</b>						
1984-75; w/Smog	HA6824					
1984-75; w/o Smog	HA6823					
<b>IHC/NAVISTAR 7.8L/478 V8 (IHC eng.)</b>						
1978-56; w/Air Brake Mount	HA6815					
<b>IHC/NAVISTAR 8.8L/537 V8 (IHC eng.)</b>						
1982-75; OHV	HA6814					
<b>IHC/NAVISTAR 9.0L/549 V8 (IHC eng.)</b>						
1978-56; Gas; w/Air Brake Mount	HA6825					
<b>INFINITI 2.0L/1998cc L4 (Nissan eng.)</b>						
1999-94; SR20DE; DOHC; 16 Valve; FWD; G20	HA8524			HA8524C		
1993-91; SR20DE; DOHC; 16 Valve; FWD; G20	HA8523			HA8523C		
<b>INFINITI 3.0L/2960cc V6 (Nissan eng.)</b>						
2000-96; VQ30DE; DOHC; 24 Valve; I30		HA8547L	HA8548R		HA8547LC	HA8548RC
1997-93; VG30DE; DOHC; 24 Valve; J30		HA8545L	HA8546R		HA8545LC	HA8546RC
1992-90; VG30E; SOHC; 12 Valve; M30		HA8537L	HA8538R		HA8537LC	HA8538RC
<b>INFINITI 3.3L/3275cc V6 (Nissan eng.)</b>						
2000-97; VG33E; SOHC; 12 Valve; QX-4		HA8551L	HA8552R		HA8551LC	HA8552RC
<b>INFINITI 4.1L/4130cc V8 (Nissan eng.)</b>						
1999-97; VH41DE; DOHC; 32 Valve; Q45		HA8561L	HA8562R		HA8561LC	HA8562RC
<b>INFINITI 4.5L/4494cc V8 (Nissan eng.)</b>						
1996-94; VH45DE; DOHC; 32 Valve; Q45		HA8559L	HA8560R		HA8559LC	HA8560RC
1993-90; VH45DE; DOHC; 32 Valve; Q45		HA8557L	HA8558R		HA8557LC	HA8558RC
<b>ISUZU 1.5L/1471cc L4 (Isuzu eng.)</b>						
1990-87; Vin 9; 4XC1T; SOHC; Turbo; I-Mark	HA5801			HA5801C		
1987-85; Vin 7; 4XC1; SOHC; I-Mark	HA5800			HA5800C		
<b>ISUZU 1.6L/1588cc L4 (Isuzu eng.)</b>						
1995-90; Vin 6; 4XE1; SOHC; 12 Valve; Stylus, Impulse	HA5805			HA5805C		
1992-88; Vin 4; 4XE1T; DOHC; 16 Valve; Turbo; I-Mark, Impulse, Stylus	HA5853			HA5853C		
1991-88; Vin 5; 4XE1; DOHC; 16 Valve; I-Mark, Impulse, Stylus	HA5813			HA5813C		
<b>ISUZU 1.8L/1809cc L4 (Isuzu eng.)</b>						
1993-92; Vin 8; 4XF1; DOHC; 16 Valve; Impulse, Stylus	HA5816			HA5816C		
<b>ISUZU 1.8L/1817cc L4 (Isuzu eng.)</b>						
1985-81; Vin B; G180; SOHC; w/Smog; 4 Holes in Head; Electric Fuel Pump; I-Mark, Pickup	HA5810			HA5810C		
1985-81; Vin B; G180; SOHC; Mechanical Fuel Pump; I-Mark, Pickup	HA5809			HA5809C		
1982-76; Vin B; G180; SOHC; Electric Fuel Pump; I-Mark, Pickup	HA5807			HA5807C		
1975-73; G180; SOHC; Aluminum Valve Cover	HA5808			HA5808C		
<b>ISUZU 1.9L/1949cc L4 (Isuzu eng.)</b>						
1987-82; Vin A; G200Z; SOHC; w/Smog; 4 Holes in Head; Mechanical Fuel Pump; Impulse, Pickup, Trooper II	HA5802			HA5802C		
1987-82; Vin A; G200Z; SOHC; w/Smog 2 Holes in Head; Mechanical Fuel Pump; Impulse, Pickup, Trooper II	HA5803			HA5803C		
1987-82; Vin A; G200Z; SOHC; Electric Fuel Pump; Impulse, Pickup, Trooper II	HA5812			HA5812C		
1985-82; Vin A; G200Z; SOHC; Mechanical Fuel Pump; Impulse, Pickup, Trooper II	HA5811			HA5811C		
<b>ISUZU 2.0L/1994cc L4 (Isuzu eng.)</b>						
1989-85; Vin F; 4ZC1; SOHC; Turbo; w/FI; Impulse	HA5806			HA5806C		
<b>ISUZU 2.2L/2156cc L4 (Honda eng.)</b>						
1997-96; Vin 4; F22B6; SOHC; 16 Valve; Oasis	HA8030			HA8030C		

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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>ISUZU 2.2L/2198cc L4 (Chevrolet eng.)</b>						
2002-99; Vin 4; RWD; Hombre	HA1135					
1998-96; Vin 4; RWD; Hombre	HA1015					
<b>ISUZU 2.2L/2198cc L4 (Isuzu eng.)</b>						
1999-98; Vin D; DOHC; Amigo	HA5817			HA5817C		
<b>ISUZU 2.3L/2254cc L4 (Honda eng.)</b>						
2000-98; F23A7; SOHC; 16 Valve; VTEC; Oasis	HA8044			HA8044C		
<b>ISUZU 2.3L/2254cc L4 (Isuzu eng.)</b>						
1995-86; Vin L; 4ZD1; SOHC; w/FI; Amigo, Impulse, Pickup, Trooper	HA5852			HA5852C		
1995-86; Vin L; 4ZD1; SOHC; w/Carb.; Amigo, Impulse, Pickup, Trooper	HA5804			HA5804C		
<b>ISUZU 2.6L/2559cc L4 (Isuzu eng.)</b>						
1997-93; Vin E; 4ZE1; SOHC; Amigo, Pickup, Rodeo, Trooper II	HA5815			HA5815C		
1992-88; Vin E; 4ZE1; SOHC; Amigo, Pickup, Rodeo, Trooper II	HA5814			HA5814C		
<b>ISUZU 2.8L/2835cc V6 (Chevrolet eng.)</b>						
1991-89; Vin R; Cast Iron; Trooper II	HA1032					
<b>ISUZU 3.1L/3136cc V6 (Chevrolet eng.)</b>						
1992-91; Vin Z; RWD; Cast Iron; Rodeo	HA1032					
<b>ISUZU 3.2L/3165cc V6 (Isuzu eng.)</b>						
1999-98; Vin W; 6VD1; DOHC; 24 Valve; Large Intake Ports; Gear Driven Cams	HA5824L	HA5823R		HA5824LC	HA5823RC	
1997-95; Vin V; 6VD1; SOHC; 24 Valve; Large Intake Ports; From 11/95	HA5822L	HA5825R		HA5822LC	HA5825RC	
1995-92; Vin W; 6VD1; DOHC; 24 Valve; Small Intake Ports; Chain Driven Cams	HA5819L	HA5820R		HA5819LC	HA5820RC	
1995-92; Vin V; 6VD1; SOHC; 24 Valve; Small Intake Ports; Before 11/95	HA5818L	HA5821R		HA5818LC	HA5821RC	
<b>ISUZU 3.5L/3494cc V6 (Isuzu eng.)</b>						
2002-98; Vin X; 6VE1; DOHC; 24 Valve; Trooper; Axiom, Vehicross	HA5826L	HA5827R		HA5826LC	HA5827RC	
<b>ISUZU 4.3L/4297cc V6 (Chevrolet eng.)</b>						
1999-96; RWD; Hombre	HA1045					
<b>JEEP (See AMC/Jeep)</b>						
<b>LEXUS 2.5L/2507cc V6 (Toyota eng.)</b>						
1991-90; 2VZFE; DOHC; 24 Valve; ES250		HA7061L	HA7062R		HA7061LC	HA7062RC
<b>LEXUS 3.0L/2958cc V6 (Toyota eng.)</b>						
1993-92; 3VZFE; DOHC; 24 Valve; ES300		HA7055L	HA7056R		HA7055LC	HA7056RC
<b>LEXUS 3.0L/2995cc V6 (Toyota eng.)</b>						
2000-99; 1MZFE; DOHC; 24 Valve; Camshaft Sensor on the Back of Head; ES300, RX300		HA7072L	HA7073R		HA7072LC	HA7073RC
1998-94; 1MZFE; DOHC; 24 Valve; ES300		HA7064L	HA7065R		HA7064LC	HA7065RC
<b>LEXUS 3.0L/2997cc L6 (Toyota eng.)</b>						
1999-98; 2JZGE; DOHC; 24 Valve; w/Cam Sensor; GS300, SC300	HA7068			HA7068C		
1998-92; 2JZGE; DOHC; 24 Valve; w/Distributor; GS300, SC300	HA7066			HA7066C		
<b>LEXUS 4.0L/3968cc V8 (Toyota eng.)</b>						
1999-90; 1UZFE; DOHC; 32 Valve; GS400, LS400, SC400		HA7074L	HA7075R		HA7074LC	HA7075RC
<b>LEXUS 4.5L/4477cc L6 (Toyota eng.)</b>						
1998-96; 1FZFE; DOHC; 24 Valve; LX450	HA7071			HA7071C		
<b>LINCOLN (See Ford)</b>						
<b>MAZDA 1.3L/1272cc L4 (Mazda eng.)</b>						
1978-76; TC; SOHC; 8 Valve; 808, GLC, Mizer	HA2811			HA2811C		
<b>MAZDA 1.5L/1489cc L4 (Mazda eng.)</b>						
1998-95; Z5DE; DOHC; 16 Valve; FWD; Protégé	HA2812			HA2812C		
<b>MAZDA 1.5L/1490cc L4 (Mazda eng.)</b>						
1986-80; E5; SOHC; 8 Valve; RWD & FWD; GLC	HA2802			HA2802C		
<b>MAZDA 1.6L/1589cc L4 (Mazda eng.)</b>						
1999; BJ OHC 16 Valve; Protege	HA2824			HA2824C		

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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>MAZDA 1.6L/1597cc L4 (Mazda eng.)</b>						
1996-94; B6; DOHC; 16 Valve; MX3	HA2818			HA2818C		
1994-90; B6; SOHC; 8 Valve; 323	HA2820			HA2820C		
1993-92; B6; SOHC; 16 Valve; MX3	HA2819			HA2819C		
1993-90; B6; DOHC; 16 Valve; Miata	HA2817			HA2817C		
1989-88; B6; SOHC; 8 Valve; w/FI; Hydraulic Valve Lash; 323	HA2803			HA2803C		
1989-87; B6; DOHC; 16 Valve; Turbo; 323-GT	HA2805			HA2805C		
1987-86; B6; SOHC; 8 Valve; w/Carb. or FI; Mechanical Valve Adjustment; 323	HA2826			HA2826C		
<b>MAZDA 1.8L/1839cc L4 (Mazda eng.)</b>						
2001-99; FP; DOHC; 16 Valve; w/FI; w/o Gear on Exhaust Cam; Protégé	HA2828			HA2828C		
1998-90; BP; DOHC; 16 Valve; w/FI; w/Gear on Exhaust Cam; Protégé	HA2815			HA2815C		
1997-94; BP; DOHC; 16 Valve; w/FI; Miata	HA2813			HA2813C		
1994-90; BP; SOHC; 16 Valve; w/FI; Protege	HA2816			HA2816C		
<b>MAZDA 1.8L/1844cc V6 (Mazda eng.)</b>						
1996-92; K8; DOHC; 24 Valve; MX3		HA2835L	HA2836R		HA2835LC	HA2836RC
<b>MAZDA 2.0L/1970cc L4 (Mazda eng.)</b>						
1985-78; MA; SOHC; 8 Valve; RWD; B2000 Pickup	HA2806			HA2806C		
<b>MAZDA 2.0L/1998cc L4 (Mazda eng.)</b>						
1999-98; FS; DOHC; 16 Valve; w/o Gear on Exhaust Cam; 626, MX6	HA2827			HA2827C		
1997-93; FS; DOHC; 16 Valve; w/Gear on Exhaust Cam; 626, MX6	HA2814			HA2814C		
1987-86; FET; SOHC; 8 Valve; Turbo; FWD; 626	HA2804			HA2804C		
1987-86; FE; SOHC; 8 Valve; RWD; B2000 Pickup	HA2801			HA2801C		
1987-82; FE; SOHC; 8 Valve; FWD; 626	HA2800			HA2800C		
<b>MAZDA 2.2L/2184cc L4 (Mazda eng.)</b>						
1993-87; F2; SOHC; 8 Valve; w/Carb.; B2200 Pickup	HA2807			HA2807C		
1992-88; F2T; SOHC; 12 Valve; Turbo; w/FI; 626, MX6	HA2809			HA2809C		
1992-88; F2; SOHC; 12 Valve; w/FI; 626, MX6	HA2808			HA2808C		
<b>MAZDA 2.3L/2255cc V6 (Mazda eng.)</b>						
2000-95; KJ; DOHC; 24 Valve; Millenia		HA2841L	HA2842R		HA2841LC	HA2842RC
<b>MAZDA 2.3L/2296cc L4 (Ford eng.)</b>						
1997-95; SOHC; 8 Valve; Dual Spark Plugs; B2300 Pickup	HA2008			HA2008C		
1994; SOHC; 8 Valve; Dual Spark Plugs; B2300 Pickup	HA2010			HA2010C		
<b>MAZDA 2.5L/2495cc L4 (Ford eng.)</b>						
2000-98; SOHC; 8 Valve; B2500 Pickup	HA2028			HA2028C		
<b>MAZDA 2.5L/2497cc V6 (Mazda eng.)</b>						
1999-96; KL; DOHC; 24 Valve; Square Intake Ports; 626, Millenia		HA2839L	HA2840R		HA2839LC	HA2840RC
1995-93; KL; DOHC; 24 Valve; Oval Intake Ports; 626, Millenia		HA2837L	HA2838R		HA2837LC	HA2838RC
<b>MAZDA 2.6L/2555cc L4 (Mitsubishi eng.)</b>						
1988-87; G54B; SOHC; 8 Valve; B2600 Pickup	HA6532			HA6532C		
<b>MAZDA 2.6L/2606cc L4 (Mazda eng.)</b>						
1995-89; G6; SOHC; 12 Valve; w/FI; B2600 Pickup, MPV	HA2810			HA2810C		
<b>MAZDA 3.0L/2954cc V6 (Ford eng.)</b>						
2000-99; 10mm Head Bolts; B3000 Pickup	HA2065					
1998-94; 11mm Head Bolts; B3000 Pickup	HA2062					
<b>MAZDA 3.0L/2954cc V6 (Mazda eng.)</b>						
1997-88; JE30; SOHC; 18 Valve; 929, MPV		HA2830L	HA2829R		HA2830LC	HA2829RC
1995-92; JE48; DOHC; 24 Valve; 929		HA2833L	HA2834R		HA2833LC	HA2834RC
1991-90; JE27; DOHC; 24 Valve; 929		HA2832L	HA2831R		HA2832LC	HA2831RC
<b>MAZDA 4.0L/4016cc V6 (Ford eng.)</b>						
2000-98; B4000 Pickup	HA2052					
1994-91; B4000 Pickup, Navajo	HA2054					
<b>MERCURY (See Ford)</b>						

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# Hi-Tech Vision Cylinder Heads



-Continued

Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>MITSUBISHI 1.5L/1468cc L4 (Mitsubishi eng.)</b>						
1999-97; Vin A; 4G15; SOHC; 12 Valve; FWD; w/o 3 Bolt Holes for Power Steering Bracket; Mirage, Precis	HA6503			HA6503C		
1996-93; Vin A; 4G15; SOHC; 12 Valve; FWD; w/3 Bolt Holes for Power Steering Bracket; w/o Jet Valves; Mirage, Precis	HA6505			HA6505C		
1992-90; Vin A; 4G15; SOHC; 12 Valve; FWD; w/o Jet Valves; Mirage, Precis	HA6504			HA6504C		
1990-86; Vin A; G15; SOHC; 8 Valve; w/Carb.; FWD; w/Jet Valves; Mirage, Precis	HA6502			HA6502C		
1990-85; Vin A; G15; SOHC; 8 Valve; w/Carb.; FWD; w/o Jet Valves; Mirage, Precis	HA6501			HA6501C		
<b>MITSUBISHI 1.6L/1595cc L4 (Mitsubishi eng.)</b>						
1992-89; Vin R, Y; 4G61; DOHC; 16 Valve; Mirage, Eclipse	HA6542			HA6542C		
1990-89; Vin Z; 4G61T; DOHC; 16 Valve; Turbo; Mirage, Eclipse	HA6543			HA6543C		
<b>MITSUBISHI 1.6L/1597cc L4 (Mitsubishi eng.)</b>						
1988-84; Vin F; G32B; SOHC; 8 Valve; Turbo; w/Gear on Camshaft; Mirage	HA6512			HA6512C		
<b>MITSUBISHI 1.8L/1755cc L4 (Mitsubishi eng.)</b>						
1994-90; Vin T; 4G37; SOHC; 8 Valve; Eclipse	HA6551			HA6551C		
<b>MITSUBISHI 1.8L/1795cc L4 (Mitsubishi eng.)</b>						
1988-84; Vin G; G62BT; SOHC; 8 Valve; Turbo; w/Fl; w/o Jet Valves; Cordia, Tredia	HA6549			HA6549C		
1988-84; Vin G; G62BT; SOHC; 8 Valve; Turbo; w/Fl; w/Jet Valves; Cordia, Tredia	HA6550			HA6550C		
1983; Vin 4; G62B; SOHC; 8 Valve; w/Carb.; w/o Jet Valves; Cordia, Tredia	HA6548			HA6548C		
1983; Vin 4; G62B; SOHC; 8 Valve; w/Carb.; w/Jet Valves; Cordia, Tredia	HA6547			HA6547C		
<b>MITSUBISHI 1.8L/1834cc L4 (Mitsubishi eng.)</b>						
1999-97; Vin C; 4G93; SOHC; 16 Valve; Camshaft Sensor Bolts to Head; Expo, Mirage	HA6555			HA6555C		
1996-94; Vin C; 4G93; SOHC; 16 Valve; Cam is Flush With Head; Expo, Mirage	HA6553			HA6553C		
1995-92; Vin C; 4G93; SOHC; 16 Valve; w/California Smog; Expo, Mirage	HA6554			HA6554C		
1993-92; Vin C; 4G93; SOHC; 16 Valve; Cam Protrudes From Head; Expo, Mirage	HA6552			HA6552C		
<b>MITSUBISHI 2.0L/1996cc L4 (Chrysler eng.)</b>						
1999-95; Vin Y; A588; DOHC; 16 Valve; Eclipse	HA3003			HA3003C		
<b>MITSUBISHI 2.0L/1997cc L4 (Mitsubishi eng.)</b>						
1999-95; Vin F; 4G63, 4G63T; DOHC; 16 Valve; Incl. Turbo; w/Narrow Intake Ports; Large Thermostat Housing Mount, Threaded Sensor Hole in Back of Intake Cam; Eclipse	HA6524			HA6524C		
1994-93; Vin E, F; 4G63, 4G63T; DOHC; 16 Valve; Incl. Turbo; Small Intake Ports; Small Thermostat Housing Mount; Eclipse	HA6523			HA6523C		
1993-92; Vin D, V; 4G63; SOHC; 16 Valve; Galant	HA6520			HA6520C		
1992-89; Vin R, U; 4G63, 4G63T; DOHC; 16 Valve; Incl. Turbo; Eclipse, Galant	HA6540			HA6540C		
1992-89; Vin D, V; 4G63; SOHC; 8 Valve; Galant	HA6522			HA6522C		
1991-84; Vin D, V; G63B; SOHC; 8 Valve; w/Fl; Jet Valves; Hydraulic Rockers	HA6539			HA6539C		
1991-84; Vin D, V; G63B; SOHC; 8 Valve; w/Carb.; Jet Valves; Hydraulic Rockers	HA6517			HA6517C		
1984-83; Vin D, 5; G63B; SOHC; 8 Valve; w/Carb.; Jet Valves; Mechanical Rockers; Cordia, Tredia	HA6518			HA6518C		
<b>MITSUBISHI 2.4L/2351cc L4 (Mitsubishi eng.)</b>						
2001-98; Vin G; 4G64; SOHC; 16 Valve; w/Cam Sensor on Head; Galant, 01-00 Eclipse, 01-00 Eclipse Spyder	HA6534			HA6534C		
1999-96; 4G64; SOHC; 16 Valve; w/Cam Sensor on Head; Eclipse Spyder Only	HA6538			HA6538C		
1997-94; Vin G, W; 4G64; SOHC; 16 Valve; w/o Cam Sensor on Head; Galant	HA6533			HA6533C		
1996-87; Vin L, W; 4G64; SOHC; 8 Valve; w/o Jet Valves; 96-87 Pickup, 90-87 Van Wagon, 92 Expo	HA6536			HA6536C		
1995-94; Vin L; 4G64; DOHC; 16 Valve; Galant	HA6524			HA6524C		
1995-93; Vin G; 4G64; SOHC; 16 Valve; Expo	HA6535			HA6535C		
1987-85; Vin L; G64B; SOHC; 8 Valve; w/Jet Valves; Galant	HA6519			HA6519C		
<b>MITSUBISHI 2.6L/2555cc L4 (Mitsubishi eng.)</b>						
1989-85; Vin E; G54B; SOHC; 8 Valve; FWD; w/Jet Valves; Hydraulic Valve Adjustment	HA6531			HA6531C		
1989-83; Vin E, H, N, 7; G54B; SOHC; 8 Valve; RWD; Incl. Turbo; w/Jet Valves; Hydraulic Valve Adjustment	HA6532			HA6532C		
1989-81; Vin E, 7; G54B; SOHC; 8 Valve; FWD; w/Jet Valves; Mechanical Valve Adjustment	HA6527			HA6527C		

# Hi-Tech Vision Cylinder Heads



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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>MITSUBISHI 2.6L/2555cc L4 (Mitsubishi eng.)</b>						
1988-81; Vin E, 7; G548; SOHC; 8 Valve; FWD; w/o Jet Valves; Mechanical Valve Adjustment	HA6529			HA6529C		
1986-81; Vin E, 7; G54B; SOHC; 8 Valve; RWD; w/Jet Valves; Mechanical Valve Adjustment	HA6528			HA6528C		
1986-79; Vin E, 7; G54B; SOHC; 8 Valve; RWD; w/o Jet Valves; Mechanical Valve Adjustment	HA6530			HA6530C		
<b>MITSUBISHI 3.0L/2972cc V6 (Mitsubishi eng.)</b>						
1999-93; Vin J, K; 6G72; DOHC; 24 Valve; Incl. Turbo; FWD; 3000GT, Diamante		HA6584L	HA6583R		HA6584LC	HA6583RC
1999-89; Vin H, S; 6G72; SOHC; 12 Valve; Roller Cam		HA6564L	HA6565R		HA6564LC	HA6565RC
1997-95; Vin J; 6G72; SOHC; 24 Valve; Roller Cam; Montero		HA6573L	HA6572R		HA6573LC	HA6572RC
1992-91; Vin B, C; 6G72; DOHC; 24 Valve; Incl. Turbo; FWD; 3000GT, Diamante		HA6567L	HA6566R		HA6567LC	HA6566RC
1989-88; Vin S; 6G72; SOHC; 12 Valve; Non Roller Cam		HA6559L	HA6560R		HA6559LC	HA6560RC
<b>MITSUBISHI 3.5L/3496cc V6 (Mitsubishi eng.)</b>						
2000-94; Vin M, P; 6G74; DOHC; 24 Valve; Diamante, Montero		HA6569L	HA6568R		HA6569LC	HA6568RC
<b>NISSAN 1.5L/1488cc L4 (Nissan eng.)</b>						
1984-83; E15T; SOHC; 8 Valve; Turbo; w/FI; Pulsar NX	HA8505			HA8505C		
1984-81; E15; SOHC; 8 Valve; w/Carb.; Sentra	HA8503			HA8503C		
1982-79; A15	HA8516					
<b>NISSAN 1.6L/1597cc L4 (Nissan eng.)</b>						
1999-95; GA16DE; DOHC; 16 Valve; 200SX, Sentra	HA8525			HA8525C		
1994-91; GA16DE; DOHC; 16 Valve; Sentra NX	HA8521			HA8521C		
1990-89; GA161; SOHC; 12 Valve; Sentra, Pulsar	HA8520			HA8520C		
1988-87; CA16DE; DOHC; 16 Valve	HA8501			HA8501C		
1988-85; E16; SOHC; 8 Valve; w/Carb. or FI; Sentra, Pulsar	HA8518			HA8518C		
1986-83; E16; SOHC; 8 Valve; w/Carb.; Sentra, Pulsar	HA8519			HA8519C		
<b>NISSAN 1.8L/1809cc L4 (Nissan eng.)</b>						
1990-87; CA18DE; DOHC; 16 Valve; Pulsar NX	HA8509			HA8509C		
1988-84; CA18ET; SOHC; 8 Valve; Turbo; w/FI; 200S	HA8507			HA8507C		
<b>NISSAN 2.0L/1952cc L4 (Nissan eng.)</b>						
1985-79; Z20S; SOHC; 8 Valve; w/Carb.; 8 Spark Plugs; w/Mechanical Fuel Pump	HA8502			HA8502C		
1985-79; Z20E; SOHC; 8 Valve; w/Carb.; 8 Spark Plugs; w/Electric Fuel Pump	HA8563			HA8563C		
1980-77; L20B; SOHC; 8 Valve; Round Exhaust Ports	HA8500			HA8500C		
1980; Z20S; SOHC; 8 Valve; 4 Spark Plugs	HA8511			HA8511C		
<b>NISSAN 2.0L/1974cc L4 (Nissan eng.)</b>						
1989-82; CA20E; SOHC; 8 Valve; Distributor at #4 Spark Plug Location	HA8513			HA8513C		
1988-84; CA20E; SOHC; 8 Valve; Distributor at #1 Spark Plug Location	HA8506			HA8506C		
1983-82; CA20S; SOHC; 8 Valve; w/Carb.; 8mm Exhaust Studs; Stanza	HA8504			HA8504C		
1983-82; CA20S; SOHC; 8 Valve; w/Carb.; 10mm Exhaust Studs; Stanza	HA8564			HA8564C		
<b>NISSAN 2.0L/1998cc L4 (Nissan eng.)</b>						
1999-94; SR20DE; DOHC; 16 Valve; w/90 Degree Angled Intake	HA8524			HA8524C		
1993-91; SR20DE; DOHC; 16 Valve; w/45 Degree Angled Intake	HA8523			HA8523C		
<b>NISSAN 2.2L/2187cc L4 (Nissan eng.)</b>						
1983-81; Z22; SOHC; 8 Valve; 8 Spark Plugs	HA8510			HA8510C		
1983-81; Z22; SOHC; 8 Valve; 4 Spark Plugs	HA8508			HA8508C		
<b>NISSAN 2.4L/2389cc L4 (Nissan eng.)</b>						
1999-95; KA24DE; DOHC; 16 Valve; RWD; w/Distributor in Front of Head; 240SX	HA8526			HA8526C		
1999-93; KA24DE; DOHC; 16 Valve; FWD; w/Distributor in Back of Head; Altima	HA8522			HA8522C		
1997-93; KA24E; SOHC; 12 Valve; w/California Smog	HA8527			HA8527C		
1994-91; KA24DE; DOHC; 16 Valve; RWD; w/Distributor in Front of Head; 240SX	HA8517			HA8517C		
1994-89; KA24E; SOHC; 12 Valve; RWD	HA8514			HA8514C		
1993-89; KA24E; SOHC; 12 Valve; w/FI; FWD	HA8515			HA8515C		
1989-83; Z24, Z24I; SOHC; 8 Valve; 8 Spark Plugs; w/FI; w/Electric Fuel Pump	HA8512			HA8512C		
1989-83; Z24, Z24I; SOHC; 8 Valve; 8 Spark Plugs; w/Carb.; w/Mechanical Fuel Pump	HA8565			HA8565C		

# Hi-Tech Vision Cylinder Heads



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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>NISSAN 2.4L/2393cc L6 (Nissan eng.)</b>						
1984-75; L24E; SOHC; 12 Valve; 810, Maxima	HA8528			HA8528C		
<b>NISSAN 2.6L/2565cc L6 (Nissan eng.)</b>						
1974; L26; SOHC; 12 Valve; 260Z	HA8534			HA8534C		
<b>NISSAN 2.8L/2752cc L6 (Nissan eng.)</b>						
1983-81; L28E; SOHC; 12 Valve, Temperature Sensor in Head; 280ZX	HA8533			HA8533C		
1983-80; L28ET; SOHC; 12 Valve; Turbo; Square Exhaust Ports; 280ZX	HA8532			HA8532C		
1981-78; L28E; SOHC; 12 Valve; w/FI; 280ZX	HA8531			HA8531C		
1978-74; L28E; SOHC; 12 Valve; w/FI; Square Exhaust Ports; 280ZX	HA8529			HA8529C		
1978-74; L28E; SOHC; 12 Valve; w/FI; Round Exhaust Ports; 280ZX	HA8530			HA8530C		
<b>NISSAN 3.0L/2960cc V6 (Nissan eng.)</b>						
2000-95; VQ30DE; DOHC; 24 Valve; Maxima		HA8547L	HA8548R		HA8547LC	HA8548RC
1997-90; VG30E, VG30ET; SOHC; 12 Valve; Incl. Turbo; w/4 Bolt Exhaust Mount		HA8537L	HA8538R		HA8537LC	HA8538RC
1996-95; VG30DETT; DOHC; 24 Valve; Twin Turbo; 300ZX		HA8539L	HA8540R		HA8539LC	HA8540RC
1996-93; VE30DE; DOHC; 24 Valve; 300ZX		HA8545L	HA8546R		HA8545LC	HA8546RC
1994-92; VE30DE; DOHC; 24 Valve; Maxima		HA8541L	HA8542R		HA8541LC	HA8542RC
<b>NISSAN 3.0L/2960cc V6 (Nissan eng.)</b>						
1994-90; VG30DETT; DOHC; 24 Valve; Twin Turbo; 300ZX		HA8555L	HA8556R		HA8555LC	HA8556RC
1992-90; VE30DE; DOHC; 24 Valve; 300ZX		HA8543L	HA8544R		HA8543LC	HA8544RC
1989-84; VG30E, VG30ET; SOHC; 12 Valve; Incl. Turbo; w/2 Bolt Exhaust Mount		HA8535L	HA8536R		HA8535LC	HA8536RC
<b>NISSAN 3.3L/3275cc V6 (Nissan eng.)</b>						
1999-95; VG33E; SOHC; 12 Valve; Pathfinder		HA8549L	HA8550R		HA8549LC	HA8550RC
<b>OLDSMOBILE (See General Motors)</b>						
<b>PONTIAC (See General Motors)</b>						
<b>RENAULT 1.4L/85 L4 (Renault eng.)</b>						
1987-83; Vin D; C35; Alliance, Encore	HA6900					
<b>RENAULT 1.7L/105 L4 (Renault eng.)</b>						
1987-85; Vin A; F3NA7; SOHC; 8mm Sensor on Spark Plug Side; Alliance, Encore	HA6901			HA6901C		
1987-85; Vin A; F3NA7; SOHC; 12mm Sensor on Spark Plug Side; Alliance, Encore	HA6901			HA6901C		
<b>SATURN 1.9L/116 L4 (Saturn eng.)</b>						
1998-95; Vin 8; SOHC; 8 Valve; w/Notched Intake Ports; 2 Temperature Sensor Holes	HA1903			HA1903C		
1998-95; Vin 7; DOHC; 16 Valve; w/Flat EGR Pad; 8 Outside Valve Cover Bolts	HA1905			HA1905C		
1998-95; Vin 7; DOHC; 16 Valve; w/Flat EGR Pad, 7 Outside Valve Cover Bolts	HA1904			HA1904C		
1994-93; Vin 7; DOHC; 16 Valve; w/Angled EGR Pad; 3 Center Valve Cover Bolts	HA1902			HA1902C		
1994-91; Vin 9; SOHC; 8 Valve	HA1900			HA1900C		
1993-91; Vin 7; DOHC; 16 Valve; w/Angled EGR Pad, 4 Center Valve Cover Bolts	HA1901			HA1901C		
<b>SATURN 2.2L/134 L4 (Saturn eng.)</b>						
2000; Vin F; DOHC; 16 Valve	HA1906			HA1906C		
<b>SATURN 3.0L/181 V6 (Cadillac eng.)</b>						
2000; Vin R; DOHC; 24 Valve; L Series		HA5850L	HA5851R		HA5850LC	HA5851RC
<b>SUBARU 1.2L/1189cc L3 (Subaru eng.)</b>						
1994-90; EF12; SOHC; w/FI; Justy	HA8400			HA8400C		
1992-87; EF12; SOHC; w/Carb.; Justy	HA8401			HA8401C		
<b>SUBARU 1.6L/1595cc H4 (Subaru eng.)</b>						
1987-79; EA71; w/Smog; 4 Holes in Head, EGR Valve; Brat, DL, GF, GL	HA8419L	HA8418R				
1987-79; EA71; w/Smog; 1 Hole in Head, EGR Valve; Brat, DL, GF, GL	HA8421L	HA8420R				
1979-76; EA71; w/Smog; 4 Holes in Head, EGR Valve; Internal Water Passage; Brat, DL, GF, GL	HA8423L	HA8422R				
<b>SUBARU 1.8L/1781cc H4 (Subaru eng.)</b>						
1994-85; EA82; SOHC; 8 Valve; w/Carb. or FI; Single Port Intake	HA8406L	HA8409R		HA8406LC	HA8409RC	
1994-85; EA82; SOHC; 8 Valve; MPFI; Dual Port Intake	HA8405L	HA8404R		HA8405LC	HA8404RC	
1990-83; EA82T; SOHC; Turbo; 8 Valve; w/FI; Dual Port Intake	HA8403L	HA8402R		HA8403LC	HA8402RC	
1987-85; EA81; 8 Valve; w/Carb.; w/Smog; 4 Holes in Head; w/Power Steering	HA8410L	HA8411R				



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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>SUBARU 1.8L/1781cc H4 (Subaru eng.)</b>						
1985-80; EA81; 8 Valve; w/Carb.; w/Smog; 4 Holes in Head; w/o Power Steering		HA8414L	HA8415R			
1985-80; EA81; 8 Valve; w/Carb.; w/Smog; 1 Hole in Head; w/Power Steering		HA8412L	HA8413R			
1985-80; EA81; 8 Valve; w/Carb.; w/Smog; 1 Hole in Head; w/o Power Steering		HA8416L	HA8417R			
1985-80; EA81; 8 Valve; w/Carb.; w/Single Port Intake		HA8407L	HA8408R			
<b>SUBARU 1.8L/1820cc H4 (Subaru eng.)</b>						
1997-93; EJ18E; SOHC; 16 Valve; Impreza		HA8424L	HA8425R		HA8424LC	HA8425RC
<b>SUBARU 2.2L/2212cc H4 (Subaru eng.)</b>						
1999-97; EJ22; SOHC; 16 Valve		HA8432L	HA8433R		HA8432LC	HA8433RC
1996; EJ22; SOHC; 16 Valve		HA8430L	HA8431R		HA8430LC	HA8431RC
1995-90; EJ22; SOHC; 16 Valve		HA8428L	HA8429R		HA8428LC	HA8429RC
1994-92; EJ22T; SOHC; 16 Valve; Turbo		HA8436L	HA8437R		HA8436LC	HA8437RC
<b>SUBARU 2.5L/2457cc H4 (Subaru eng.)</b>						
1999-96; EJ25D; DOHC; 16 Valve; Forester, Impreza, Legacy		HA8434L	HA8435R		HA8434LC	HA8435RC
<b>SUBARU 2.7L/2672cc H6 (Subaru eng.)</b>						
1991-88; ER27; SOHC; 12 Valve; XT-6 Coupe		HA8427L	HA8426R		HA8427LC	HA8426RC
<b>SUBARU 3.3L/3318cc H6 (Subaru eng.)</b>						
1997-91; EG33; DOHC; 24 Valve; SVX		HA8438L	HA8439R		HA8438LC	HA8439RC
<b>SUZUKI 1.3L/1298cc L4 (Suzuki eng.)</b>						
2001-98; Vin 2; G13BA; SOHC; 16 Valve; w/FI, Adjustable Rockers; Round Exhaust Ports; Swift	HA1809			HA1809C		
1997-95; Vin 2, 3; G13BA; SOHC; 8 Valve; w/FI, Hydraulic Lifters; Roller Rockers, Slot in Camshaft for Distributor; Square Exhaust Ports; Swift	HA1806			HA1806C		
1995-90; Vin 3; G13BA; SOHC; 8 Valve; w/Carb.; Gear on Camshaft for Distributor; Samurai	HA1805			HA1805C		
1994-89; Vin 3; G13K; DOHC; 16 Valve; w/FI; Swift GT	HA1808			HA1808C		
1994-89; Vin 3; G13BA; SOHC; 8 Valve; w/FI; Adjustable Rockers, Slot in Camshaft for Distributor; Swift	HA1807			HA1807C		
<b>SUZUKI 1.3L/1324cc L4 (Suzuki eng.)</b>						
1989-86; Vin 5; G1 3A; SOHC; 8 Valve; w/Carb.; Gear on Camshaft for Distributor; Samurai	HA1805			HA1805C		
<b>SUZUKI 1.6L/1590cc L4 (Suzuki eng.)</b>						
2001-99; Vin 0; G16KV; SOHC; 16 Valve; w/o Distributor; Vitara	HA1814			HA1814C		
2001-98; Vin 0; G16KV; SOHC; 16 Valve; w/o Distributor; Esteem	HA1813			HA1813C		
1999-92; Vin 0; G16KV; SOHC; 16 Valve; Gear on Camshaft for Distributor; Sidekick, X90	HA1811			HA1811C		
1997-95; Vin 0; G16KV; SOHC; 16 Valve; w/Distributor; Esteem	HA1810			HA1810C		
1995-89; Vin 0; G16KC; SOHC; 8 Valve; w/FI; Gear on Camshaft for Distributor; Sidekick	HA1804			HA1804C		
<b>SUZUKI 1.8L/1800cc L4 (Suzuki eng.)</b>						
2002-96; Vin 2; G18KV; DOHC; 16 Valve; w/FI; Sidekick	HA1812			HA1812C		
<b>TOYOTA 1.3L/1290cc L4 (Toyota eng.)</b>						
1984-80; 4K, 4KE; SOHC; 8 Valve; w/Carb. or FI; Starlet	HA7000			HA7000C		
<b>TOYOTA 1.5L/1452cc L4 (Toyota eng.)</b>						
1987-79; 1A, 3A, 3AC; SOHC; 8 Valve; w/Carb.	HA7002			HA7002C		
<b>TOYOTA 1.5L/1456cc L4 (Toyota eng.)</b>						
1994-91; 3EE; SOHC; 12 Valve; w/FI, Fuel Rail Measures 8.5" Bolt to Bolt	HA7004			HA7004C		
1991-90; 3EE; SOHC; 12 Valve; w/FI; Fuel Rail Measures 8.75" Bolt to Bolt	HA7001			HA7001C		
1990-87; 3E; SOHC; 12 Valve; w/Carb.	HA7003			HA7003C		
<b>TOYOTA 1.5L/1468cc L4 (Toyota eng.)</b>						
1988-84; 5K	HA7005					
<b>TOYOTA 1.5L/1471cc L4 (Toyota eng.)</b>						
1999-95; 5EFE; DOHC; 16 Valve; w/FI; Camshaft Sensor in Back of Head; Paseo, Tercel	HA7010			HA7010C		
1994-92; 5EFE; DOHC; 16 Valve; w/FI; Paseo, Tercel	HA7006			HA7006C		

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# Hi-Tech Vision Cylinder Heads



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Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>TOYOTA 1.6L/1587cc L4 (Toyota eng.)</b>						
1997-93; 4AFE; DOHC; 16 Valve; w/FI; w/o EGR Hole; Outside Valve Cover Bolts; Celica, Corolla	HA7080			HA7080C		
1997-93; 4AFE; DOHC; 16 Valve; w/FI; w/EGR Hole, Outside Valve Cover Bolts; Celica, Corolla	HA7081			HA7081C		
1992-88; 4AFE; DOHC; 16 Valve; w/FI; w/o EGR Hole; Center Valve Cover Bolts; Celica, Corolla	HA7027			HA7027C		
1992-88; 4AFE; DOHC; 16 Valve; w/FI; w/EGR Hole; Center Valve Cover Bolts; Celica, Corolla	HA7026			HA7026C		
1991-90; 4AGE; DOHC; 16 Valve; w/FI	HA7022			HA7022C		
1989-88; 4AGZE; DOHC; 16 Valve; Supercharged; MR2	HA7023			HA7023C		
1989-88; 4AF; DOHC; 16 Valve; w/Carb.; California Smog; 2 Hole EGR	HA7019			HA7019C		
1989-88; 4AF; DOHC; 16 Valve; w/Carb.	HA7024			HA7024C		
1989-85; 4AGE, 4AGEC, 4AGELC; DOHC; 16 Valve; w/FI	HA7020			HA7020C		
1988-86; 4AC, 4ALC; SOHC; 8 Valve; w/Carb.; FWD; 1 Wavy Valve Cover, 1 Straight	HA7008			HA7008C		
1985-83; 4AC, 4ALC; SOHC; 8 Valve; w/Carb.; RWD; Valve Cover Straight on Both Sides	HA7007			HA7007C		
<b>TOYOTA 1.6L/1588cc L4 (Toyota eng.)</b>						
1979-73; 2T; w/Carb.; Corolla	HA7029					
<b>TOYOTA 1.8L/1762cc L4 (Toyota eng.)</b>						
1997-93; 7AFE; DOHC; 16 Valve; w/FI; w/o EGR Hole, Outside Valve Cover Bolts; Celica, Corolla	HA7041			HA7041C		
1997-93; 7AFE; DOHC; 16 Valve; w/FI; EGR Hole, Outside Valve Cover Bolts; Celica, Corolla	HA7042			HA7042C		
<b>TOYOTA 1.8L/1770cc L4 (Toyota eng.)</b>						
1982-80; 3T, 3TC; w/Carb.; Corolla	HA7029					
<b>TOYOTA 1.8L/1794cc L4 (Toyota eng.)</b>						
2000; 1ZZFE; DOHC; 16 Valve; w/FI; Corolla	HA7025			HA7025C		
1999-98; 1ZZFE; DOHC; 16 Valve; w/FI; Corolla	HA7021			HA7021C		
<b>TOYOTA 2.0L/1995cc L4 (Toyota eng.)</b>						
1986-83; 2SE; SOHC; 8 Valve; w/FI; Camry, Celica	HA7018			HA7018C		
<b>TOYOTA 2.0L/1998cc L4 (Toyota eng.)</b>						
2000-98; 3SFE; DOHC; 16 Valve; w/FI; Camshaft Sensor on Head; RAV4	HA7031			HA7031C		
2000-98; 3SFE; DOHC; 16 Valve; w/FI; California Smog; Camshaft Sensor on Head; RAV4	HA7030			HA7030C		
1997-96; 3SFE; DOHC; 16 Valve; w/FI; Camshaft Sensor on Head; RAV4	HA7028			HA7028C		
1995-90; 3SGTE; DOHC; 16 Valve; Turbo; w/FI; Celica, MR2	HA7033			HA7033C		
1991-87; 3SFE; DOHC; 16 Valve; w/FI; Camry, Celica, All-Trac	HA7032			HA7032C		
1989-88; 3SGTE; DOHC; 16 Valve; Turbo; w/FI; MR2	HA7034			HA7034C		
1989-88; 3SGE; DOHC; 16 Valve; w/FI; Internal EGR; Camry, Celica	HA7035			HA7035C		
1988-86; 3SGE; DOHC; 16 Valve; w/FI; External EGR, No Hole in Head; Camry, Celica	HA7036			HA7036C		
1985-84; 3Y, 3YEC; w/FI; Van	HA7016					
<b>TOYOTA 2.2L/2164cc L4 (Toyota eng.)</b>						
2000-96; 5SF, 5SFE; DOHC; 16 Valve; w/FI; Boss for Camshaft Sensor; Camry	HA7043			HA7043C		
2000-96; 5SF, 5SFE; DOHC; 16 Valve; w/FI; California Smog; Boss for Camshaft Sensor; Camry	HA7044			HA7044C		
1999-90; 5SF, 5SFE; DOHC; 16 Valve; w/FI; California Smog; 99-90 Celica, MR2, 95-90 Camry Only	HA7039			HA7039C		
1999-90; 5SF, 5SFE; DOHC; 16 Valve; w/FI; 99-90 Celica, MR2, 95-90 Camry Only	HA7037			HA7037C		
<b>TOYOTA 2.2L/2189cc L4 (Toyota eng.)</b>						
1980-78; 2OR; SOHC; 8 Valve; w/Carb.; w/Fuel Pump Hole in Head; Celica, Corona, Pickup	HA7011			HA7011C		
1978-74; 2OR; SOHC; 8 Valve; w/Carb.; w/o Fuel Pump Hole in Head; Celica, Corona, Pickup	HA7009			HA7009C		

# Hi-Tech Vision Cylinder Heads



-Continued

Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>TOYOTA 2.2L/2237cc L4 (Toyota eng.)</b>						
1990-86; 4YEC; w/FI; Van	HA7017					
<b>TOYOTA 2.4L/2366cc L4 (Toyota eng.)</b>						
1995-85; 22RE, 22REC; SOHC; 8 Valve; w/Carb. or FI; Pear Shaped Exhaust Ports	HA7014			HA7014C		
1988-85; 22RTEC; SOHC; 8 Valve; Turbo, Pickup; w/FI; 4Runner	HA7015			HA7015C		
1984-82; 22RE, 22REC; SOHC; 8 Valve; w/Carb. or FI; Round Exhaust Ports	HA7013			HA7013C		
1982-80; 22R; SOHC; 8 Valve; w/Carb.; Round Exhaust Ports; Celica, Corona, Pickup	HA7012			HA7012C		
<b>TOYOTA 2.4L/2438cc L4 (Toyota eng.)</b>						
2000-97; 2RZFE; DOHC; 16 Valve; w/FI; w/Cam Sensor; Tacoma	HA7046			HA7046C		
1997-95; 2TZFE; DOHC; 16 Valve; Supercharged; w/FI; Previa	HA7040			HA7040C		
1997-95; 2RZFE; DOHC; 16 Valve; w/FI; w/o Cam Sensor; Tacoma	HA7045			HA7045C		
1997-91; 2TZFE; DOHC; 16 Valve; w/FI; Previa	HA7038			HA7038C		
<b>TOYOTA 2.5L/2507cc V6 (Toyota eng.)</b>						
1991-88; 2VZFE; DOHC; 24 Valve; w/FI; Camry		HA7061L	HA7062R		HA7061LC	HA7062RC
<b>TOYOTA 2.6L/2563cc L6 (Toyota eng.)</b>						
1980-77; 4ME; SOHC; 12 Valve; w/FI; Cressida, Supra	HA7078			HA7078C		
1980-77; 4ME; SOHC; 12 Valve; w/Carb.; Cressida, Supra	HA7049			HA7049C		
1976-71; 4M; SOHC; 12 Valve; w/Carb.; Crown, Corona, MK2	HA7063			HA7063C		
<b>TOYOTA 2.7L/2693cc L4 (Toyota eng.)</b>						
2000-96; 3RZFE; DOHC; 16 Valve; w/Cam Sensor; T100 From 8/97, Tacoma & 4Runner From 9/96	HA7048			HA7048C		
1997-93; 3RZFE; DOHC; 16 Valve; w/o Cam Sensor; T100 Before 8/97, Tacoma & 4Runner Before 9/96	HA7047			HA7047C		
<b>TOYOTA 2.8L/2759cc L6 (Toyota eng.)</b>						
1988-81; 5MGE; DOHC; 12 Valve; w/FI; Cressida, Supra	HA7051			HA7051C		
1982-80; 5ME; SOHC; 12 Valve; w/FI; Cressida, Supra	HA7060			HA7060C		
<b>TOYOTA 3.0L/2954cc L6 (Toyota eng.)</b>						
1993-86; 7MGET; DOHC; 24 Valve; w/FI; Turbo; Cressida, Supra	HA7079			HA7079C		
1993-86; 7MGE; DOHC; 24 Valve; w/FI; ; Cressida, Supra	HA7050			HA7050C		
<b>TOYOTA 3.0L/2958cc V6 (Toyota eng.)</b>						
1995-92; 3VZE; SOHC; 12 Valve; w/FI; w/Bolt Holes for Timing Belt Adjuster on Left Head; Pickup, 4Runner, T100	HA7054L	HA7053R		HA7054LC	HA7053RC	
1993-92; 3VZFE; DOHC; 24 Valve; w/FI; Camry	HA7055L	HA7056R		HA7055LC	HA7056RC	
1992-88; 3VZE; SOHC; 12 Valve; w/FI; w/o Bolt Holes for Timing Belt Adjuster on Left Head; Pickup, 4Runner	HA7052L	HA7053R		HA7052LC	HA7053RC	
<b>TOYOTA 3.0L/2995cc V6 (Toyota eng.)</b>						
2004-99; 1MZFE; DOHC; 24 Valve; w/Cam Sensor on the Back of the Head; Avalon; Camry, Sienna	HA7072L	HA7073R		HA7072LC	HA7073RC	
1998-94; 1MZFE; DOHC; 24 Valve; Avalon; Camry, Sienna	HA7083L	HA7084R		HA7083LC	HA7084RC	
<b>TOYOTA 3.0L/2997cc L6 (Toyota eng.)</b>						
1999-98; 2JZGE; DOHC; 24 Valve; w/Cam Sensor; Supra; From 9/97	HA7068			HA7068C		
1999-94; 2JZGTE; DOHC; 24 Valve; Turbo; w/Cam Sensor; Supra	HA7067			HA7067C		
1998-94; 2JZGE; DOHC; 24 Valve; w/Distributor; Supra; Before 9/97	HA7066			HA7066C		
<b>TOYOTA 3.4L/3378cc V6 (Toyota eng.)</b>						
2004-95; 5VZFE; DOHC; 24 Valve; 4Runner, Tacoma, T100, Tundra	HA7069L	HA7070R		HA7069LC	HA7070RC	
<b>TOYOTA 4.0L/3955cc L6 (Toyota eng.)</b>						
1992-88; 3FE; w/FI; Landcruiser	HA7059					
<b>TOYOTA 4.2L/4230cc L6 (Toyota eng.)</b>						
1987-81; 2F; w/Carb.; Landcruiser	HA7058					
1980-75; 2F; w/Carb.; Landcruiser	HA7057					
<b>TOYOTA 4.5L/4477cc L6 (Toyota eng.)</b>						
1998-93; 1FZFE; DOHC; 24 Valve; w/FI; Landcruiser	HA7071			HA7071C		

# Hi-Tech Vision Cylinder Heads



*-Continued*

Years/Description	Cylinder Head #			Cylinder Head with Camshaft #		
	Universal	Left	Right	Universal	Left	Right
<b>TOYOTA 4.7L/4664cc V8 (Toyota eng.)</b>						
2002-99; 2UZFE; DOHC; 32 Valve; Landcruiser, Sequoia, Tundra		HA7076L	HA7077R		HA7076LC	HA7077RC
<b>VOLKSWAGEN 1.8L/1780cc L4</b>						
1991-88; 8 Valve; w/Digital Fuel Injection	HA7501			HA7501C		
<b>VOLKSWAGEN 2.0L/1970cc L4</b>						
1983-80; Hydraulic Lifters; Vanagon, CV	HA7503					
1978-75; Mechanical Lifters; Type II, IV	HA7502					
<b>VOLVO 2.3L/2316cc L4</b>						
1993-85; B230F; SOHC; Non-Turbo; 240	HA4800			HA4800C		
1992-85; B230FT; SOHC; Turbo; 740, 760, 780	HA4801			HA4801C		

# Numerical Listing

Part No. Applications

## ENGINE

HA1000	GM - (1975-71) 2.3L/140 L4 SOHC (Chevrolet eng.)
HA1000C	GM - (1975-71) 2.3L/140 L4 SOHC (Chevrolet eng.)
HA1001	GM - (1975-71) 2.3L/140 L4 SOHC (Chevrolet eng.)
HA1001C	GM - (1975-71) 2.3L/140 L4 SOHC (Chevrolet eng.)
HA1002	GM - (1977-76) 2.3L/140 L4 SOHC (Chevrolet eng.)
HA1002C	GM - (1977-76) 2.3L/140 L4 SOHC (Chevrolet eng.)
HA1003	GM - (1977-76) 2.3L/140 L4 SOHC (Chevrolet eng.)
HA1003C	GM - (1977-76) 2.3L/140 L4 SOHC (Chevrolet eng.)
HA1004	GM - (1974-62) 2.5L/153 L4 OHV (Chevrolet eng.)
HA1005	GM - (1994-60) 3.0L/181 L4 OHV (Chevrolet eng.)
HA1006	GM - (1997-91) 3.0L/181 L4 OHV (Chevrolet eng.)
HA1007	GM - (1977-76) 1.4L/85, (1982-76) 1.6L/98 L4 SOHC (Chevrolet eng.)
HA1007C	GM - (1977-76) 1.4L/85, (1982-76) 1.6L/98 L4 SOHC (Chevrolet eng.)
HA1008	GM - (1987-82) 1.6L/98 L4 SOHC (Chevrolet eng.)
HA1008C	GM - (1987-82) 1.6L/98 L4 SOHC (Chevrolet eng.)
HA1009	GM - (1987) 1.6L/98 L4 SOHC (Chevrolet eng.)
HA1009C	GM - (1987) 1.6L/98 L4 SOHC (Chevrolet eng.)
HA1010	GM - (1982) 1.8L/112 L4 OHV (Chevrolet eng.)
HA1011	GM - (1984-82) 2.0L/121 L4 OHV (Chevrolet eng.)
HA1012	GEO - (2000-99) 2.0L/121 L4 DOHC (Chevrolet eng.)
HA1012C	GEO - (2000-99) 2.0L/121 L4 DOHC (Chevrolet eng.)
HA1013	GM - (1989-87) 2.0L/121 L4 OHV (Chevrolet eng.)
HA1014	GM - (1991-90) 2.2L/134 L4 OHV (Chevrolet eng.)
HA1015	GM, ISUZU - (1998-92) 2.2L/134 L4 OHV (Chevrolet eng.)
HA1016	GM - (2000-94) 2.2L/134 L4 OHV (Chevrolet eng.)
HA1017	GM - (1999-98) 2.2L/134 L4 OHV (Chevrolet eng.)
HA1018	GM - (1991-89) 3.1L/189 V6 OHV (Chevrolet eng.)
HA1019	GM - (1970-63) 3.8L/230, (1985-67) 4.1L/250, (1985-67) 4.8L/292 L6 OHV (Chevrolet eng.)
HA1020	GM - (1967-62) 3.2L/194 L6 OHV (Chevrolet eng.)
HA1021	GM - (1970-63) 3.8L/230, (1985-67) 4.1L/250, (1985-67) 4.8L/292 L6 OHV (Chevrolet eng.)
HA1022	GM - (1962-58) 3.9L/235 L6 OHV (Chevrolet eng.)
HA1023	GM - (1979-75) 4.1L/250 L6 OHV (Chevrolet eng.)
HA1024	GM - (1978-77) 4.1L/250 L6 OHV (Chevrolet eng.)
HA1025	GM - (1978-77) 4.1L/250 L6 OHV (Chevrolet eng.)
HA1026	GM - (1984-79) 4.1L/250 L6 OHV (Chevrolet eng.)
HA1027	GM - (1986-83) 4.1L/250 L6 OHV (Chevrolet eng.)
HA1028	GM - (1990-85) 4.8L/292 L6 OHV (Chevrolet eng.)
HA1029	GM - (1999-96) 3.1L/189 V6 OHV (Chevrolet eng.)
HA1030	GM - (1999) 3.1L/189 V6 OHV (Chevrolet eng.)
HA1031	AMC/JEEP, GM - (1986-80) 2.8L/173 V6 OHV (Chevrolet eng.)
HA1032	GM, ISUZU - (1993-81) 2.8L/173, (1995-90) 3.1L/189, (1995-93) 3.4L/207 V6 OHV (Chevrolet eng.)
HA1033	GM - (1979-78) 3.3L/200 V6 OHV (Chevrolet eng.)
HA1034	GM - (1999-96) 3.4L/207 V6 OHV (Chevrolet eng.)
HA1035	GM - (1984-80) 3.8L/229 V6 OHV (Chevrolet eng.)
HA1036	GM - (1997-96) 3.4L/207 V6 DOHC (Chevrolet eng.)
HA1036C	GM - (1997-96) 3.4L/207 V6 DOHC (Chevrolet eng.)
HA1037	GM - (1986-85) 4.3L/262 V6 OHV (Chevrolet eng.)
HA1038	GM - (1991-87) 4.3L/262 V6 OHV (Chevrolet eng.)
HA1039	GM - (1989-87) 2.8L/173 V6 OHV (Chevrolet eng.)
HA1040	GM - (1994-89) 3.1L/189 V6 OHV (Chevrolet eng.)
HA1041	GM - (1995-91) 3.4L/207 V6 DOHC (Chevrolet eng.)
HA1041C	GM - (1995-91) 3.4L/207 V6 DOHC (Chevrolet eng.)
HA1042	GM - (1995-94) 3.1L/189 V6 OHV (Chevrolet eng.)
HA1043	GM - (1995-91) 4.3L/262 V6 OHV (Chevrolet eng.)
HA1044	GM - (1995-92) 4.3L/262 V6 OHV (Chevrolet eng.)

Part No. Applications

## ENGINES -Continued

HA1045	GM, ISUZU - (1999-96) 4.3L/262 V6 OHV (Chevrolet eng.)
HA1046	GM - (1995-92) 4.3L/262 V6 OHV (Chevrolet eng.)
HA1047	GM - (1997-96) 4.3L/262 V6 OHV (Chevrolet eng.)
HA1048	GM - (1995-91) 4.3L/262 V6 OHV (Chevrolet eng.)
HA1049	GM - (2001-00) 4.3L/262 V6 OHV (Chevrolet eng.)
HA1050	GM - (1975-63) 5.0L/305 V6 OHV (Chevrolet eng.)
HA1051	GM - (1975-63) 6.2L/379 V6 OHV (Chevrolet eng.)
HA1052	GM - (1975-63) 5.8L/351 V6 OHV (Chevrolet eng.)
HA1053	GM - (1975-63) 6.2L/379 V6 OHV (Chevrolet eng.)
HA1054	GM - (1973-66) 5.8L/351 V6 OHV (Chevrolet eng.)
HA1055	GM - (1975-60) 7.1L/432 V6 OHV (Chevrolet eng.)
HA1056	GM - (1975-66) 7.8L/478 V6 OHV (Chevrolet eng.)
HA1057	GM - (1979-76) 5.0L/305 V8 OHV (Chevrolet eng.)
HA1058	GM - (1982-79) 4.4L/267 V8 OHV (Chevrolet eng.)
HA1059	GM - (1967-64) 4.6L/283 V8 OHV (Chevrolet eng.)
HA1060	GM - (1987-78) 5.0L/305 V8 OHV (Chevrolet eng.)
HA1061	GM - (1987-78) 5.0L/305 V8 OHV (Chevrolet eng.)
HA1062	GM - (2000-96) 5.0L/305 V8 OHV (Chevrolet eng.)
HA1063	GM - (1986-80) 5.0L/305 V8 OHV (Chevrolet eng.)
HA1064	GM - (1995-86) 5.0L/305 V8 OHV (Chevrolet eng.)
HA1065	GM - (1973-68) 5.0L/307 V8 OHV (Chevrolet eng.)
HA1066	GM - (1969-68) 5.3L/327, (1979-71) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1067	GM - (1973-71) 5.0L/307 V8 OHV (Chevrolet eng.)
HA1068	GM - (1967-62) 5.3L/327 V8 OHV (Chevrolet eng.)
HA1069	GM - (1970-68) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1070	GM - (1979-71) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1071	GM - (1986-71) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1072	GM - (1986-80) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1073	GM - (1995-87) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1074	GM - (1977-71) 6.6L/400 V8 OHV (Chevrolet eng.)
HA1075	GM - (1997-92) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1076	GM - (1996-94) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1077	GM - (1982-78) 6.6L/400 V8 OHV (Chevrolet eng.)
HA1078	GM - (2000-96) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1079	GM - (2000-96) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1080	GM - (1996) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1081	GM - (1984-66) 6.0L/366 V8 OHV (Chevrolet eng.)
HA1082	GM - (1990-85) 6.0L/366 V8 OHV (Chevrolet eng.)
HA1083	GM - (1990-85) 6.0L/366 V8 OHV (Chevrolet eng.)
HA1084	GM - (1996-91) 6.0L/366, (1996-91) 7.0L/427 V8 OHV (Chevrolet eng.)
HA1085	GM - (1984-66) 6.0L/366 V8 OHV (Chevrolet eng.)
HA1086	GM - (1990-68) 7.0L/427 V8 OHV (Chevrolet eng.)
HA1087	GM - (1984-73) 7.4L/454 V8 OHV (Chevrolet eng.)
HA1088	GM - (1972-65) 6.6L/396, 402 V8 OHV (Chevrolet eng.)
HA1089	GM - (1984-71) 7.4L/454 V8 OHV (Chevrolet eng.)
HA1090	GM - (1987-79) 7.4L/454 V8 OHV (Chevrolet eng.)
HA1091	GM - 7.0L/427 V8 OHV Hi-Perf. (Chevrolet eng.)
HA1092	GM - (1987-79) 7.4L/454 V8 OHV (Chevrolet eng.)
HA1093	GM - (1995-91) 7.4L/454 V8 OHV (Chevrolet eng.)
HA1094	GM - (1991-79) 7.4L/454 V8 OHV (Chevrolet eng.)
HA1095	GM - (1999-96) 7.4L/454 V8 OHV (Chevrolet eng.)
HA1096	GM - (1996-94) 4.3L/265 V8 OHV (Chevrolet eng.)
HA1097	GM - (1999-91) 8.2L/502 V8 OHV (Chevrolet eng.)
HA1098	GM - (1989-84) 6.2L/379 V8 OHV Diesel (Chevrolet eng.)
HA1099	GM - (1991-86) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1100	GM - (1999-97) 5.7L/346 V8 OHV (Chevrolet eng.)
HA1101	GM - (1989-84) 6.2L/379 V8 OHV Diesel (Chevrolet eng.)
HA1102	GM - (1989-84) 6.2L/379 V8 OHV Diesel (Chevrolet eng.)
HA1103	GM - (1989-84) 6.2L/379 V8 OHV Diesel (Chevrolet eng.)

# Numerical Listing

-Continued

Part No.	Applications
<b>ENGINE</b>	
HA1104	GM - (1985-71) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1105	GM - (1978) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1106	GM - (1977-71) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1107	GM - (1986-78) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1108	GM - (1995-87) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1109	GM - (1977-71) 6.6L/400 V8 OHV (Chevrolet eng.)
HA1110	GM - (1982-78) 6.6L/400 V8 OHV (Chevrolet eng.)
HA1111	GM - (2001-99) 4.8L/292, (2001-99) 5.3L/323 V8 OHV (Chevrolet eng.)
HA1112	GM - (2000-99) 6.0L/364 V8 OHV (Chevrolet eng.)
HA1113	GM - (1982) 6.2L/379 V8 OHV Diesel (Chevrolet eng.)
HA1114	GM - (1984-82) 6.2L/379 V8 OHV Diesel (Chevrolet eng.)
HA1115	GM - (1984-82) 6.2L/379 V8 OHV Diesel (Chevrolet eng.)
HA1116	GM - (1984-82) 6.2L/379 V8 OHV Diesel (Chevrolet eng.)
HA1117	GM - (1993-90) 6.2L/379 V8 OHV Diesel (Chevrolet eng.)
HA1118	GM - (1993-90) 6.2L/379 V8 OHV Diesel (Chevrolet eng.)
HA1119	GM - (2000-92) 6.5L/395 V8 OHV Diesel (Chevrolet eng.)
HA1120	GM - (2000-96) 6.5L/395 V8 OHV Diesel (Chevrolet eng.)
HA1121	GM - (1990-85) 5.0L/305 V8 OHV (Chevrolet eng.)
HA1122	GM - (2000-96) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1123	GM - (1995-86) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1124	GM - (1990-85) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1125	GM - (1990-85) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1126	GM - (1990-85) 5.7L/350 V8 OHV (Chevrolet eng.)
HA1127	GM - (1996-91) 6.0L/366 V8 OHV (Chevrolet eng.)
HA1128	GM - (1990-85) 6.0L/366 V8 OHV (Chevrolet eng.)
HA1129	GM - (1999-98) 7.4L/454 V8 OHV (Chevrolet eng.)
HA1130	GM - (1997-91) 7.4L/454 V8 OHV (Chevrolet eng.)
HA1131	GM - (1995-91) 7.4L/454 V8 OHV (Chevrolet eng.)
HA1132	GM - (2003-01) 8.1L/496 V8 OHV (Chevrolet eng.)
HA1133	AMC/JEEP - (1984) 2.8L/173 V6 OHV (Chevrolet eng.)
HA1134	GM - (1984-83) 6.2L/379 V8 OHV Diesel (Chevrolet eng.)
HA1135	ISUZU - (2002-99) 2.2L/134 L4 OHV (Chevrolet eng.)
HA1136	GM - (1976-75) 4.3L/262 V8 OHV (Chevrolet eng.)
HA1137	GM - (1974-66) 6.6L/401 V6 OHV (Chevrolet eng.)
HA1138	GM - 7.4L/454 V8 OHV Hi-Perf. (Chevrolet eng.)
HA1502	GM - (1979-77) 7.0L/425 V8 OHV (Cadillac eng.)
HA1503	GM - (1979-77) 7.0L/425 V8 OHV (Cadillac eng.)
HA1504	GM - (1970-68) 7.7L/472 V8 OHV (Cadillac eng.)
HA1505L	GM - (1974-71) 7.7L/472, (1974-71) 8.2L/500 V8 OHV (Cadillac eng.)
HA1506R	GM - (1974-71) 7.7L/472, (1974-71) 8.2L/500 V8 OHV (Cadillac eng.)
HA1507L	GM - (1976-75) 8.2L/500 V8 OHV (Cadillac eng.)
HA1508R	GM - (1976-75) 8.2L/500 V8 OHV (Cadillac eng.)
HA1509L	GM - (1976-75) 8.2L/500 V8 OHV (Cadillac eng.)
HA1510R	GM - (1976-75) 8.2L/500 V8 OHV (Cadillac eng.)
HA1511	GM - (1984-80) 6.0L/368 V8 OHV (Cadillac eng.)
HA1512	GM - (1984-81) 6.0L/368 V8 OHV (Cadillac eng.)
HA1513	GM - (1967-65) 7.0L/429 V8 OHV (Cadillac eng.)
HA1514	GM - (1986-82) 4.1L/252 V8 OHV (Cadillac eng.)
HA1515	GM - (1985-84) 4.1L/252 V8 OHV (Cadillac eng.)
HA1516	GM - (1986-84) 4.1L/252 V8 OHV (Cadillac eng.)
HA1517	GM - (1988-85) 4.1L/252 V8 OHV (Cadillac eng.)
HA1518	GM - (1989-87) 4.5L/273 V8 OHV (Cadillac eng.)
HA1519L	GM - (1994-93) 4.6L/281 V8 DOHC (Cadillac eng.)
HA1519LC	GM - (1994-93) 4.6L/281 V8 DOHC (Cadillac eng.)
HA1520R	GM - (1994-93) 4.6L/281 V8 DOHC (Cadillac eng.)
HA1520RC	GM - (1994-93) 4.6L/281 V8 DOHC (Cadillac eng.)
HA1521L	GM - (2000-95) 4.6L/281 V8 DOHC (Cadillac eng.)
HA1521LC	GM - (2000-95) 4.6L/281 V8 DOHC (Cadillac eng.)

Part No.	Applications
<b>ENGINES -Continued</b>	
HA1522R	GM - (2000-95) 4.6L/281 V8 DOHC (Cadillac eng.)
HA1522RC	GM - (2000-95) 4.6L/281 V8 DOHC (Cadillac eng.)
HA1523	GM - (1992-89) 4.5L/273, (1995-91) 4.9L/300 V8 OHV (Cadillac eng.)
HA1800	GM - (1988-85) 1.0L/993cc L3 SOHC (Suzuki eng.)
HA1800C	GM - (1988-85) 1.0L/993cc L3 SOHC (Suzuki eng.)
HA1801	GEO - (2000-89) 1.0L/993cc L3 SOHC (Suzuki eng.)
HA1801C	GEO - (2000-89) 1.0L/993cc L3 SOHC (Suzuki eng.)
HA1802	GEO, GM - (1991-87) 1.0L/993cc L3 SOHC (Suzuki eng.)
HA1802C	GEO, GM - (1991-87) 1.0L/993cc L3 SOHC (Suzuki eng.)
HA1803	GEO - (1995-89) 1.6L/1590cc L4 SOHC (Suzuki eng.)
HA1803C	GEO - (1995-89) 1.6L/1590cc L4 SOHC (Suzuki eng.)
HA1804	SUZUKI - (1995-89) 1.6L/1590cc L4 SOHC (Suzuki eng.)
HA1804C	SUZUKI - (1995-89) 1.6L/1590cc L4 SOHC (Suzuki eng.)
HA1805	SUZUKI - (1995-90) 1.3L/1298cc, (1989-86) 1.3L/1324cc L4 SOHC (Suzuki eng.)
HA1805C	SUZUKI - (1995-90) 1.3L/1298cc, (1989-86) 1.3L/1324cc L4 SOHC (Suzuki eng.)
HA1806	GEO, SUZUKI - (1997-95) 1.3L/1298cc L4 SOHC (Suzuki eng.)
HA1806C	GEO, SUZUKI - (1997-95) 1.3L/1298cc L4 SOHC (Suzuki eng.)
HA1807	SUZUKI - (1994-89) 1.3L/1298cc L4 SOHC (Suzuki eng.)
HA1807C	SUZUKI - (1994-89) 1.3L/1298cc L4 SOHC (Suzuki eng.)
HA1808	SUZUKI - (1994-89) 1.3L/1298cc L4 DOHC (Suzuki eng.)
HA1808C	SUZUKI - (1994-89) 1.3L/1298cc L4 DOHC (Suzuki eng.)
HA1809	GEO, SUZUKI - (2001-98) 1.3L/1298cc L4 SOHC (Suzuki eng.)
HA1809C	GEO, SUZUKI - (2001-98) 1.3L/1298cc L4 SOHC (Suzuki eng.)
HA1810	SUZUKI - (1997-95) 1.6L/1590cc L4 SOHC (Suzuki eng.)
HA1810C	SUZUKI - (1997-95) 1.6L/1590cc L4 SOHC (Suzuki eng.)
HA1811	GEO, SUZUKI - (1999-92) 1.6L/1590cc L4 SOHC (Suzuki eng.)
HA1811C	GEO, SUZUKI - (1999-92) 1.6L/1590cc L4 SOHC (Suzuki eng.)
HA1812	SUZUKI - (2002-96) 1.8L/1800cc L4 DOHC (Suzuki eng.)
HA1812C	SUZUKI - (2002-96) 1.8L/1800cc L4 DOHC (Suzuki eng.)
HA1813	SUZUKI - (2001-98) 1.6L/1590cc L4 SOHC (Suzuki eng.)
HA1813C	SUZUKI - (2001-98) 1.6L/1590cc L4 SOHC (Suzuki eng.)
HA1814	SUZUKI - (2001-99) 1.6L/1590cc L4 SOHC (Suzuki eng.)
HA1814C	SUZUKI - (2001-99) 1.6L/1590cc L4 SOHC (Suzuki eng.)
HA1900	SATURN - (1994-91) 1.9L/116 L4 SOHC (Saturn eng.)
HA1900C	SATURN - (1994-91) 1.9L/116 L4 SOHC (Saturn eng.)
HA1901	SATURN - (1993-91) 1.9L/116 L4 DOHC (Saturn eng.)
HA1901C	SATURN - (1993-91) 1.9L/116 L4 DOHC (Saturn eng.)
HA1902	SATURN - (1994-93) 1.9L/116 L4 DOHC (Saturn eng.)
HA1902C	SATURN - (1994-93) 1.9L/116 L4 DOHC (Saturn eng.)
HA1903	SATURN - (1998-95) 1.9L/116 L4 SOHC (Saturn eng.)
HA1903C	SATURN - (1998-95) 1.9L/116 L4 SOHC (Saturn eng.)
HA1904	SATURN - (1998-95) 1.9L/116 L4 DOHC (Saturn eng.)
HA1904C	SATURN - (1998-95) 1.9L/116 L4 DOHC (Saturn eng.)
HA1905	SATURN - (1998-95) 1.9L/116 L4 DOHC (Saturn eng.)
HA1905C	SATURN - (1998-95) 1.9L/116 L4 DOHC (Saturn eng.)
HA1906	SATURN - (2000) 2.2L/134 L4 DOHC (Saturn eng.)
HA1906C	SATURN - (2000) 2.2L/134 L4 DOHC (Saturn eng.)
HA2000L	FORD - (2000-97) 6.8L/415 V10 SOHC (Ford eng.)
HA2000LC	FORD - (2000-97) 6.8L/415 V10 SOHC (Ford eng.)
HA2001R	FORD - (2000-97) 6.8L/415 V10 SOHC (Ford eng.)
HA2001RC	FORD - (2000-97) 6.8L/415 V10 SOHC (Ford eng.)
HA2002	FORD - (1973-71) 1.6L/98 L4 OHV (Ford eng.)

# Numerical Listing

**-Continued**

Part No.	Applications
<b>ENGINE</b>	
HA2003	FORD - (1980-78) 1.6L/98 L4 OHV (Ford eng.)
HA2004	FORD - (1974-71) 2.0L/122 L4 SOHC (Ford eng.)
HA2004C	FORD - (1974-71) 2.0L/122 L4 SOHC (Ford eng.)
HA2005	FORD - (1981-74) 2.3L/140 L4 SOHC (Ford eng.)
HA2005C	FORD - (1981-74) 2.3L/140 L4 SOHC (Ford eng.)
HA2006	FORD - (1982-79) 2.3L/140 L4 SOHC (Ford eng.)
HA2006C	FORD - (1982-79) 2.3L/140 L4 SOHC (Ford eng.)
HA2007	FORD - (1988-87) 2.3L/140 L4 SOHC (Ford eng.)
HA2007C	FORD - (1988-87) 2.3L/140 L4 SOHC (Ford eng.)
HA2008	FORD, MAZDA - (1997-95) 2.3L/140 L4 SOHC (Ford eng.)
HA2008C	FORD, MAZDA - (1997-95) 2.3L/140 L4 SOHC (Ford eng.)
HA2009	FORD - (1985-83) 2.3L/140 L4 SOHC (Ford eng.)
HA2009C	FORD - (1985-83) 2.3L/140 L4 SOHC (Ford eng.)
HA2010	FORD, MAZDA - (1994-89) 2.3L/140 L4 SOHC (Ford eng.)
HA2010C	FORD, MAZDA - (1994-89) 2.3L/140 L4 SOHC (Ford eng.)
HA2011	FORD - (1984-83) 2.3L/140 L4 SOHC (Ford eng.)
HA2011C	FORD - (1984-83) 2.3L/140 L4 SOHC (Ford eng.)
HA2012	FORD - (1990-85) 2.3L/140 L4 SOHC (Ford eng.)
HA2012C	FORD - (1990-85) 2.3L/140 L4 SOHC (Ford eng.)
HA2013	FORD - (1989-85) 2.3L/140 L4 SOHC (Ford eng.)
HA2013C	FORD - (1989-85) 2.3L/140 L4 SOHC (Ford eng.)
HA2014	FORD - (1988-82) 2.0L/122 L4 SOHC (Ford eng.)
HA2014C	FORD - (1988-82) 2.0L/122 L4 SOHC (Ford eng.)
HA2015	FORD - (1997-95) 2.0L/121 L4 DOHC (Ford eng.)
HA2015C	FORD - (1997-95) 2.0L/121 L4 DOHC (Ford eng.)
HA2016	FORD - (2000-97) 2.0L/121 L4 SOHC (Ford eng.)
HA2016C	FORD - (2000-97) 2.0L/121 L4 SOHC (Ford eng.)
HA2017	FORD - (1998) 2.0L/121 L4 DOHC (Ford eng.)
HA2017C	FORD - (1998) 2.0L/121 L4 DOHC (Ford eng.)
HA2018	FORD - (1990-87) 1.8L/112 L4 SOHC (Ford eng.)
HA2018C	FORD - (1990-87) 1.8L/112 L4 SOHC (Ford eng.)
HA2019	FORD - (1983-81) 1.6L/98 L4 SOHC (Ford eng.)
HA2019C	FORD - (1983-81) 1.6L/98 L4 SOHC (Ford eng.)
HA2020	FORD - (1986-85) 1.8L/112 L4 SOHC (Ford eng.)
HA2020C	FORD - (1986-85) 1.8L/112 L4 SOHC (Ford eng.)
HA2021	FORD - (1986) 1.8L/112 L4 SOHC (Ford eng.)
HA2021C	FORD - (1986) 1.8L/112 L4 SOHC (Ford eng.)
HA2022	FORD - (1990-87) 1.8L/112 L4 SOHC (Ford eng.)
HA2022C	FORD - (1990-87) 1.8L/112 L4 SOHC (Ford eng.)
HA2023	FORD - (1985-84) 2.3L/140 L4 OHV (Ford eng.)
HA2024	FORD - (1987-85) 2.3L/140 L4 OHV (Ford eng.)
HA2025	FORD - (1987-85) 2.3L/140 L4 OHV (Ford eng.)
HA2026	FORD - (1991-86) 2.5L/153 L4 OHV (Ford eng.)
HA2027	FORD - (1991-88) 2.3L/140 L4 OHV (Ford eng.)
HA2028	FORD, MAZDA - (2000-98) 2.5L/152 L4 SOHC (Ford eng.)
HA2028C	FORD, MAZDA - (2000-98) 2.5L/152 L4 SOHC (Ford eng.)
HA2029	FORD - (1990-87) 1.8L/112 L4 SOHC (Ford eng.)
HA2029C	FORD - (1990-87) 1.8L/112 L4 SOHC (Ford eng.)
HA2030	FORD - (1996-91) 1.8L/112 L4 SOHC (Ford eng.)
HA2030C	FORD - (1996-91) 1.8L/112 L4 SOHC (Ford eng.)
HA2031	FORD - (1990-87) 1.8L/112 L4 SOHC (Ford eng.)
HA2031C	FORD - (1990-87) 1.8L/112 L4 SOHC (Ford eng.)
HA2032	FORD - (1964-60) 3.7L/223 L6 OHV (Ford eng.)
HA2033	FORD - (1969-65) 2.8L/170, (1969-65) 3.3L/200 L6 OHV (Ford eng.)
HA2034	FORD - (1969-65) 2.8L/170, (1969-65) 3.3L/200 L6 OHV (Ford eng.)
HA2035	FORD - (1972-68) 2.8L/170 L6 OHV (Ford eng.)
HA2036	FORD - (1979-69) 3.3L/200, (1979-69) 4.1L/250 L6 OHV (Ford eng.)
HA2037	FORD - (1983-80) 3.3L/200, (1980) 4.1L/250 L6 OHV (Ford eng.)

Part No.	Applications
<b>ENGINES -Continued</b>	
HA2038	FORD - (1974-65) 3.9L/240 L6 OHV (Ford eng.)
HA2039	FORD - (1974-65) 3.9L/240 L6 OHV (Ford eng.)
HA2040L	FORD - (2000-95) 2.5L/155 V6 DOHC (Ford eng.)
HA2040LC	FORD - (2000-95) 2.5L/155 V6 DOHC (Ford eng.)
HA2041R	FORD - (2000-95) 2.5L/155 V6 DOHC (Ford eng.)
HA2041RC	FORD - (2000-95) 2.5L/155 V6 DOHC (Ford eng.)
HA2042L	FORD - (1998) 2.5L/155 V6 DOHC (Ford eng.)
HA2042LC	FORD - (1998) 2.5L/155 V6 DOHC (Ford eng.)
HA2043R	FORD - (1998) 2.5L/155 V6 DOHC (Ford eng.)
HA2043RC	FORD - (1998) 2.5L/155 V6 DOHC (Ford eng.)
HA2044L	FORD - (2000-96) 3.0L/182 V6 DOHC (Ford eng.)
HA2044LC	FORD - (2000-96) 3.0L/182 V6 DOHC (Ford eng.)
HA2045R	FORD - (2000-96) 3.0L/182 V6 DOHC (Ford eng.)
HA2045RC	FORD - (2000-96) 3.0L/182 V6 DOHC (Ford eng.)
HA2046R	FORD - (2000-97) 4.0L/244 V6 SOHC (Ford eng.)
HA2046RC	FORD - (2000-97) 4.0L/244 V6 SOHC (Ford eng.)
HA2047	FORD - (1974) 2.8L/171 V6 OHV (Ford eng.)
HA2048	FORD - (1992-89) 2.9L/177 V6 OHV (Ford eng.)
HA2049	FORD - (1976-75) 2.8L/171 V6 OHV (Ford eng.)
HA2050L	FORD - (2000-97) 4.0L/244 V6 SOHC (Ford eng.)
HA2050LC	FORD - (2000-97) 4.0L/244 V6 SOHC (Ford eng.)
HA2051	FORD - (1986-83, 1979-77) 2.8L/171 V6 OHV (Ford eng.)
HA2052	FORD, MAZDA - (2000-95) 4.0L/244 V6 OHV (Ford eng.)
HA2053	FORD - (1988-86) 2.9L/177 V6 OHV (Ford eng.)
HA2054	FORD, MAZDA - (1996-90) 4.0L/244 V6 OHV (Ford eng.)
HA2055	FORD - (1982) 3.8L/232 V6 OHV (Ford eng.)
HA2056	FORD - (1983) 3.8L/232 V6 OHV (Ford eng.)
HA2057	FORD - (1987-84) 3.8L/232 V6 OHV (Ford eng.)
HA2058	FORD - (1995-89) 3.8L/232 V6 OHV (Ford eng.)
HA2059	FORD - (1995-89) 3.8L/232 V6 OHV (Ford eng.)
HA2060	FORD - (1995-91) 3.8L/232 V6 OHV (Ford eng.)
HA2061	FORD - (1998-96) 3.8L/232, (1998-96) 4.2L/256 V6 OHV (Ford eng.)
HA2062	FORD, MAZDA - (1998-86) 3.0L/182 V6 OHV (Ford eng.)
HA2063	FORD - (1998-96) 3.8L/232 V6 OHV (Ford eng.)
HA2064	FORD - (1992-89) 2.9L/177 V6 OHV (Ford eng.)
HA2065	FORD, MAZDA - (2001-99) 3.0L/182 V6 OHV (Ford eng.)
HA2066	FORD - (1998-97) 3.8L/232 V6 OHV (Ford eng.)
HA2067	FORD - (1976-65) 4.9L/300 L6 OHV (Ford eng.)
HA2068	FORD - (1976-65) 4.9L/300 L6 OHV (Ford eng.)
HA2069	FORD - (1984-77) 4.9L/300 L6 OHV (Ford eng.)
HA2070	FORD - (1984-77) 4.9L/300 L6 OHV (Ford eng.)
HA2071	FORD - (1986-85) 4.9L/300 L6 OHV (Ford eng.)
HA2072	FORD - (1986-85) 4.9L/300 L6 OHV (Ford eng.)
HA2073	FORD - (1996-87) 4.9L/300 L6 OHV (Ford eng.)
HA2074	FORD - (1996-87) 4.9L/300 L6 OHV (Ford eng.)
HA2075	FORD - (1996-91) 4.9L/300 L6 OHV (Ford eng.)
HA2076	FORD - (2002-99) 3.8L/232, (2001-99) 4.2L/256 V6 OHV (Ford eng.)
HA2077	FORD - (1968-66) 4.7L/289 V8 OHV (Ford eng.)
HA2078	FORD - (1974-68) 5.0L/302 V8 OHV (Ford eng.)
HA2079	FORD - (1974-68) 5.0L/302 V8 OHV (Ford eng.)
HA2080	FORD - (1967-65) 4.7L/289 V8 OHV (Ford eng.)
HA2081	FORD - (1976-75) 5.0L/302 V8 OHV (Ford eng.)
HA2082	FORD - (1974-70) 5.8L/351C V8 OHV (Ford eng.)
HA2083	FORD - (1968-66) 4.7L/289 V8 OHV (Ford eng.)
HA2084	FORD - (1971-68) 5.0L/302 V8 OHV (Ford eng.)
HA2085	FORD - (1979-77) 5.0L/302 V8 OHV (Ford eng.)
HA2086	FORD - (1968-66) 4.7L/289 V8 OHV (Ford eng.)
HA2087	FORD - (1979-77) 5.0L/302 V8 OHV (Ford eng.)
HA2088	FORD - (1974-70) 5.8L/351C V8 OHV (Ford eng.)

# Numerical Listing

-Continued

Part No.	Applications
<b>ENGINE</b>	
HA2089	FORD - (1985-78) 5.0L/302 V8 OHV (Ford eng.)
HA2090L	FORD - (1992) 4.6L/281 V8 SOHC (Ford eng.)
HA2090LC	FORD - (1992) 4.6L/281 V8 SOHC (Ford eng.)
HA2091	FORD - (1985-78) 5.0L/302 V8 OHV (Ford eng.)
HA2092R	FORD - (1992) 4.6L/281 V8 SOHC (Ford eng.)
HA2092RC	FORD - (1992) 4.6L/281 V8 SOHC (Ford eng.)
HA2093	FORD - (1974-69) 5.8L/351W V8 OHV (Ford eng.)
HA2094	FORD - (1970-69) 5.8L/351W V8 OHV (Ford eng.)
HA2095	FORD - (1976-75) 5.8L/351W V8 OHV (Ford eng.)
HA2096L	FORD - (1995-93) 4.6L/281 V8 DOHC (Ford eng.)
HA2096LC	FORD - (1995-93) 4.6L/281 V8 DOHC (Ford eng.)
HA2097	FORD - (1978-77) 5.8L/351W V8 OHV (Ford eng.)
HA2098R	FORD - (1995-93) 4.6L/281 V8 DOHC (Ford eng.)
HA2098RC	FORD - (1995-93) 4.6L/281 V8 DOHC (Ford eng.)
HA2099	FORD - (1978-77) 5.8L/351W V8 OHV (Ford eng.)
HA2100	FORD - (1984-78) 5.8L/351W V8 OHV (Ford eng.)
HA2101	FORD - (1984-78) 5.8L/351W V8 OHV (Ford eng.)
HA2102	FORD - (1991-85) 5.8L/351W V8 OHV (Ford eng.)
HA2103	FORD - (1974-69) 5.8L/351C V8 OHV (Ford eng.)
HA2104	FORD - (1993-88) 5.8L/351W V8 OHV (Ford eng.)
HA2105	FORD - (1982-75) 5.8L/351M, (1982-72) 6.6L/400 V8 OHV (Ford eng.)
HA2106	FORD - (1967-65) 6.4L/390 V8 OHV (Ford eng.)
HA2107	FORD - (1979-68) 6.4L/390 V8 OHV (Ford eng.)
HA2108	FORD - (1994-93) 5.8L/351W V8 OHV (Ford eng.)
HA2109	FORD - (1967-65) 5.8L/352, (1979-68) 6.4L/390 V8 OHV (Ford eng.)
HA2110	FORD - (1971-68) 7.0L/429, (1971-68) 7.5L/460 V8 OHV (Ford eng.)
HA2111	FORD - (1967-65) 6.4L/390 V8 OHV (Ford eng.)
HA2112	FORD - (1967-65) 5.8L/352 V8 OHV (Ford eng.)
HA2113	FORD - (1996-94) 5.8L/351W V8 OHV (Ford eng.)
HA2114	FORD - (1970-68) 7.0L/428 V8 OHV (Ford eng.)
HA2115	FORD - (1973-72) 7.0L/429, (1973-72) 7.5L/460 V8 OHV (Ford eng.)
HA2116	FORD - (1971-68) 7.5L/460 V8 OHV (Ford eng.)
HA2117	FORD - (1984-72) 7.5L/460 V8 OHV (Ford eng.)
HA2118	FORD - (1992-87) 7.5L/460 V8 OHV (Ford eng.)
HA2119	FORD - (1984-74) 7.5L/460 V8 OHV (Ford eng.)
HA2120	FORD - (1990-85) 7.5L/460 V8 OHV (Ford eng.)
HA2121	FORD - (1983-80) 4.2L/255 V8 OHV (Ford eng.)
HA2122	FORD - (1985-78) 5.0L/302 V8 OHV (Ford eng.)
HA2123	FORD - (1991-86) 5.0L/302 V8 OHV (Ford eng.)
HA2124	FORD - (1996-86) 5.0L/302 V8 OHV (Ford eng.)
HA2125	FORD - (1995-93) 5.0L/302 V8 OHV (Ford eng.)
HA2126	FORD - (1996) 5.0L/302 V8 OHV (Ford eng.)
HA2127	FORD - (1964-55) 4.8L/292 V8 OHV (Ford eng.)
HA2128	FORD - (2001-98) 5.0L/302 V8 OHV (Ford eng.)
HA2129L	FORD - (2000-99) 4.6L/281, (2003-97) 5.4L/330 V8 SOHC (Ford eng.)
HA2129LC	FORD - (2000-99) 4.6L/281, (2003-97) 5.4L/330 V8 SOHC (Ford eng.)
HA2130R	FORD - (2000-99) 4.6L/281, (2003-97) 5.4L/330 V8 SOHC (Ford eng.)
HA2130RC	FORD - (2000-99) 4.6L/281, (2003-97) 5.4L/330 V8 SOHC (Ford eng.)
HA2131L	FORD - (2000-99) 5.4L/330 V8 DOHC (Ford eng.)
HA2131LC	FORD - (2000-99) 5.4L/330 V8 DOHC (Ford eng.)
HA2132R	FORD - (2000-99) 5.4L/330 V8 DOHC (Ford eng.)
HA2132RC	FORD - (2000-99) 5.4L/330 V8 DOHC (Ford eng.)
HA2133	FORD - (1978-64) 5.4L/330 V8 OHV (Ford eng.)

Part No.	Applications
<b>ENGINES -Continued</b>	
HA2134	FORD - (1978-64) 5.9L/361, (1978-64) 6.4L/391 V8 OHV (Ford eng.)
HA2135	FORD - (1978-64) 5.9L/361, (1978-64) 6.4L/391 V8 OHV (Ford eng.)
HA2136	FORD - (1991-79) 6.1L/370 V8 OHV (Ford eng.)
HA2137	FORD - (1991-79) 6.1L/370 V8 OHV (Ford eng.)
HA2138	FORD - (1991-85) 6.1L/370 V8 OHV (Ford eng.)
HA2139	FORD - (1992-79) 7.0L/429 V8 OHV (Ford eng.)
HA2140	FORD - (1998-93) 7.0L/429, (1997-93) 7.5L/460 V8 OHV (Ford eng.)
HA2141L	FORD - (1997-95) 4.6L/281 V8 DOHC (Ford eng.)
HA2141LC	FORD - (1997-95) 4.6L/281 V8 DOHC (Ford eng.)
HA2142R	FORD - (1997-95) 4.6L/281 V8 DOHC (Ford eng.)
HA2142RC	FORD - (1997-95) 4.6L/281 V8 DOHC (Ford eng.)
HA2143L	FORD - (2001-99) 5.4L/330 V8 SOHC (Ford eng.)
HA2143LC	FORD - (2001-99) 5.4L/330 V8 SOHC (Ford eng.)
HA2144R	FORD - (2001-99) 5.4L/330 V8 SOHC (Ford eng.)
HA2144RC	FORD - (2001-99) 5.4L/330 V8 SOHC (Ford eng.)
HA2145L	FORD - (1996) 4.6L/281 V8 DOHC (Ford eng.)
HA2145LC	FORD - (1996) 4.6L/281 V8 DOHC (Ford eng.)
HA2146R	FORD - (1996) 4.6L/281 V8 DOHC (Ford eng.)
HA2146RC	FORD - (1996) 4.6L/281 V8 DOHC (Ford eng.)
HA2147L	FORD - (1998-96) 4.6L/281 V8 DOHC (Ford eng.)
HA2147LC	FORD - (1998-96) 4.6L/281 V8 DOHC (Ford eng.)
HA2148R	FORD - (1998-96) 4.6L/281 V8 DOHC (Ford eng.)
HA2148RC	FORD - (1998-96) 4.6L/281 V8 DOHC (Ford eng.)
HA2149	FORD - (1969-58) 7.8L/477, (1969-58) 8.8L/534 V8 OHV (Ford eng.)
HA2150	FORD - (1976-70) 7.8L/477, (1976-70) 8.8L/534 V8 OHV (Ford eng.)
HA2151	FORD - (1981-77) 7.8L/477, (1981-77) 8.8L/534 V8 OHV (Ford eng.)
HA2152L	FORD - (1998-97) 4.6L/281 V8 DOHC (Ford eng.)
HA2152LC	FORD - (1998-97) 4.6L/281 V8 DOHC (Ford eng.)
HA2153R	FORD - (1998-97) 4.6L/281 V8 DOHC (Ford eng.)
HA2153RC	FORD - (1998-97) 4.6L/281 V8 DOHC (Ford eng.)
HA2154L	FORD - (1999) 4.6L/281 V8 DOHC (Ford eng.)
HA2154LC	FORD - (1999) 4.6L/281 V8 DOHC (Ford eng.)
HA2155R	FORD - (1999) 4.6L/281 V8 DOHC (Ford eng.)
HA2155RC	FORD - (1999) 4.6L/281 V8 DOHC (Ford eng.)
HA2156L	FORD - (1999-96) 4.6L/281 V8 SOHC (Ford eng.)
HA2156LC	FORD - (1999-96) 4.6L/281 V8 SOHC (Ford eng.)
HA2157R	FORD - (1996) 4.6L/281 V8 SOHC (Ford eng.)
HA2157RC	FORD - (1996) 4.6L/281 V8 SOHC (Ford eng.)
HA2158R	FORD - (1999-97) 4.6L/281 V8 SOHC (Ford eng.)
HA2158RC	FORD - (1999-97) 4.6L/281 V8 SOHC (Ford eng.)
HA2159L	FORD - (1992-91) 4.6L/281 V8 SOHC (Ford eng.)
HA2159LC	FORD - (1992-91) 4.6L/281 V8 SOHC (Ford eng.)
HA2160R	FORD - (1992-91) 4.6L/281 V8 SOHC (Ford eng.)
HA2160RC	FORD - (1992-91) 4.6L/281 V8 SOHC (Ford eng.)
HA2161L	FORD - (1995-93) 4.6L/281 V8 SOHC (Ford eng.)
HA2161LC	FORD - (1995-93) 4.6L/281 V8 SOHC (Ford eng.)
HA2162R	FORD - (1995-93) 4.6L/281 V8 SOHC (Ford eng.)
HA2162RC	FORD - (1995-93) 4.6L/281 V8 SOHC (Ford eng.)
HA2163L	FORD - (1999-95) 4.6L/281 V8 SOHC (Ford eng.)
HA2163LC	FORD - (1999-95) 4.6L/281 V8 SOHC (Ford eng.)
HA2164R	FORD - (1999-95) 4.6L/281 V8 SOHC (Ford eng.)
HA2164RC	FORD - (1999-95) 4.6L/281 V8 SOHC (Ford eng.)
HA2165	FORD - (2001-00) 2.0L/121 L4 DOHC (Ford eng.)
HA2165C	FORD - (2001-00) 2.0L/121 L4 DOHC (Ford eng.)
HA2166	FORD - (1989-87) 2.3L/140 L4 SOHC (Ford eng.)



# Numerical Listing

-Continued

Part No.	Applications
<b>ENGINE</b>	
HA2166C	FORD - (1989-87) 2.3L/140 L4 SOHC (Ford eng.)
HA2167	FORD - (1986-85) 2.3L/140 L4 SOHC (Ford eng.)
HA2167C	FORD - (1986-85) 2.3L/140 L4 SOHC (Ford eng.)
HA2168	FORD - (1990-89) 2.3L/140 L4 SOHC (Ford eng.)
HA2168C	FORD - (1990-89) 2.3L/140 L4 SOHC (Ford eng.)
HA2169	FORD - (2003-02) 3.0L/182 V6 OHV (Ford eng.)
HA2170	FORD - (2001) 3.8L/232 V6 OHV (Ford eng.)
HA2171	FORD - (1997-95) 4.0L/244 V6 OHV (Ford eng.)
HA2172	FORD - (1984-81) 4.9L/300 L6 OHV (Ford eng.)
HA2173	FORD - (1984-81) 4.9L/300 L6 OHV (Ford eng.)
HA2174	FORD - (1995-64) 4.7L/289 V8 OHV (Ford eng.)
HA2175	FORD - (1991-86) 5.0L/302 V8 OHV (Ford eng.)
HA2176	FORD - (1995-87) 5.0L/302 V8 OHV (Ford eng.)
HA2177	FORD - (1991-86) 5.0L/302 V8 OHV (Ford eng.)
HA2178	FORD - (1996-85) 5.0L/302 V8 OHV (Ford eng.)
HA2179	FORD - (1985) 5.0L/302 V8 OHV (Ford eng.)
HA2180	FORD - (2001-97) 5.4L/330 V8 SOHC (Ford eng.)
HA2180C	FORD - (2001-97) 5.4L/330 V8 SOHC (Ford eng.)
HA2181	FORD - (1982-75) 5.8L/351M V8 OHV (Ford eng.)
HA2182	FORD - (1997-96) 5.8L/351W V8 OHV (Ford eng.)
HA2183	FORD - (1991-85) 5.8L/351W V8 OHV (Ford eng.)
HA2184	FORD - (1995-88, 1978-77) 5.8L/351W V8 OHV (Ford eng.)
HA2185	FORD - (1999-97) 6.8L/415 V10 SOHC (Ford eng.)
HA2185C	FORD - (1999-97) 6.8L/415 V10 SOHC (Ford eng.)
HA2186	FORD - (1984-81) 2.3L/140 L4 SOHC (Ford eng.)
HA2186C	FORD - (1984-81) 2.3L/140 L4 SOHC (Ford eng.)
HA2187	FORD - (1984-81) 1.6L/98 L4 SOHC (Ford eng.)
HA2187C	FORD - (1984-81) 1.6L/98 L4 SOHC (Ford eng.)
HA2188	FORD - (1985-83) 1.6L/98 L4 SOHC (Ford eng.)
HA2188C	FORD - (1985-83) 1.6L/98 L4 SOHC (Ford eng.)
HA2189	FORD - (1994-92) 2.3L/140 L4 OHV (Ford eng.)
HA2190	FORD - (2000-97) 4.0L/244 V6 OHV (Ford eng.)
HA2191	FORD - (1988) 3.8L/232 V6 OHV (Ford eng.)
HA2192	FORD - (1997-94) 5.8L/351W V8 OHV (Ford eng.)
HA2193	FORD - (1979-68) 5.9L/360 V8 OHV (Ford eng.)
HA2194	FORD - (1997) 5.0L/302 V8 OHV (Ford eng.)
HA2195	FORD - (1978-64) 5.4L/330 V8 OHV (Ford eng.)
HA2196	FORD - (1979-68) 5.9L/360 V8 OHV (Ford eng.)
HA2700L	FORD - (1995-89) 3.0L/183 V6 DOHC (Yamaha eng.)
HA2700LC	FORD - (1995-89) 3.0L/183 V6 DOHC (Yamaha eng.)
HA2701R	FORD - (1995-89) 3.0L/183 V6 DOHC (Yamaha eng.)
HA2701RC	FORD - (1995-89) 3.0L/183 V6 DOHC (Yamaha eng.)
HA2702R	FORD - (1995-93) 3.2L/195 V6 DOHC (Yamaha eng.)
HA2702RC	FORD - (1995-93) 3.2L/195 V6 DOHC (Yamaha eng.)
HA2703L	FORD - (1995-93) 3.2L/195 V6 DOHC (Yamaha eng.)
HA2703LC	FORD - (1995-93) 3.2L/195 V6 DOHC (Yamaha eng.)
HA2704L	FORD - (1999-96) 3.4L/207 V8 DOHC (Yamaha eng.)
HA2704LC	FORD - (1999-96) 3.4L/207 V8 DOHC (Yamaha eng.)
HA2705R	FORD - (1999-96) 3.4L/207 V8 DOHC (Yamaha eng.)
HA2705RC	FORD - (1999-96) 3.4L/207 V8 DOHC (Yamaha eng.)
HA2800	MAZDA - (1987-82) 2.0L/1998cc L4 SOHC (Mazda eng.)
HA2800C	MAZDA - (1987-82) 2.0L/1998cc L4 SOHC (Mazda eng.)
HA2801	MAZDA - (1987-86) 2.0L/1998cc L4 SOHC (Mazda eng.)
HA2801C	MAZDA - (1987-86) 2.0L/1998cc L4 SOHC (Mazda eng.)
HA2802	MAZDA - (1986-80) 1.5L/1490cc L4 SOHC (Mazda eng.)
HA2802C	MAZDA - (1986-80) 1.5L/1490cc L4 SOHC (Mazda eng.)
HA2803	FORD, MAZDA - (1989-88) 1.6L/1597cc L4 SOHC (Mazda eng.)
HA2803C	FORD, MAZDA - (1989-88) 1.6L/1597cc L4 SOHC (Mazda eng.)
HA2804	MAZDA - (1987-86) 2.0L/1998cc L4 SOHC (Mazda eng.)

Part No.	Applications
<b>ENGINES</b> -Continued	
HA2804C	MAZDA - (1987-86) 2.0L/1998cc L4 SOHC (Mazda eng.)
HA2805	FORD, MAZDA - (1993-91, 1989-87) 1.6L/1597cc L4 DOHC (Mazda eng.)
HA2805C	FORD, MAZDA - (1993-91, 1989-87) 1.6L/1597cc L4 DOHC (Mazda eng.)
HA2806	MAZDA - (1985-78) 2.0L/1970cc L4 SOHC (Mazda eng.)
HA2806C	MAZDA - (1985-78) 2.0L/1970cc L4 SOHC (Mazda eng.)
HA2807	MAZDA - (1993-87) 2.2L/2184cc L4 SOHC (Mazda eng.)
HA2807C	MAZDA - (1993-87) 2.2L/2184cc L4 SOHC (Mazda eng.)
HA2808	FORD, MAZDA - (1992-88) 2.2L/2184cc L4 SOHC (Mazda eng.)
HA2808C	FORD, MAZDA - (1992-88) 2.2L/2184cc L4 SOHC (Mazda eng.)
HA2809	FORD, MAZDA - (1992-88) 2.2L/2184cc L4 SOHC (Mazda eng.)
HA2809C	FORD, MAZDA - (1992-88) 2.2L/2184cc L4 SOHC (Mazda eng.)
HA2810	MAZDA - (1995-89) 2.6L/2606cc L4 SOHC (Mazda eng.)
HA2810C	MAZDA - (1995-89) 2.6L/2606cc L4 SOHC (Mazda eng.)
HA2811	MAZDA - (1978-76) 1.3L/1272cc L4 SOHC (Mazda eng.)
HA2811C	MAZDA - (1978-76) 1.3L/1272cc L4 SOHC (Mazda eng.)
HA2812	MAZDA - (1998-95) 1.5L/1489cc L4 DOHC (Mazda eng.)
HA2812C	MAZDA - (1998-95) 1.5L/1489cc L4 DOHC (Mazda eng.)
HA2813	MAZDA - (1997-94) 1.8L/1839cc L4 DOHC (Mazda eng.)
HA2813C	MAZDA - (1997-94) 1.8L/1839cc L4 DOHC (Mazda eng.)
HA2814	FORD, MAZDA - (1997-93) 2.0L/1998cc L4 DOHC (Mazda eng.)
HA2814C	FORD, MAZDA - (1997-93) 2.0L/1998cc L4 DOHC (Mazda eng.)
HA2815	FORD, MAZDA - (1998-89) 1.8L/1839cc L4 DOHC (Mazda eng.)
HA2815C	FORD, MAZDA - (1998-89) 1.8L/1839cc L4 DOHC (Mazda eng.)
HA2816	MAZDA - (1994-90) 1.8L/1839cc L4 SOHC (Mazda eng.)
HA2816C	MAZDA - (1994-90) 1.8L/1839cc L4 SOHC (Mazda eng.)
HA2817	FORD, MAZDA - (1993-90) 1.6L/1597cc L4 DOHC (Mazda eng.)
HA2817C	FORD, MAZDA - (1993-90) 1.6L/1597cc L4 DOHC (Mazda eng.)
HA2818	MAZDA - (1996-94) 1.6L/1597cc L4 DOHC (Mazda eng.)
HA2818C	MAZDA - (1996-94) 1.6L/1597cc L4 DOHC (Mazda eng.)
HA2819	MAZDA - (1993-92) 1.6L/1597cc L4 SOHC (Mazda eng.)
HA2819C	MAZDA - (1993-92) 1.6L/1597cc L4 SOHC (Mazda eng.)
HA2820	MAZDA - (1994-90) 1.6L/1597cc L4 SOHC (Mazda eng.)
HA2820C	MAZDA - (1994-90) 1.6L/1597cc L4 SOHC (Mazda eng.)
HA2821	FORD - (1990-88) 1.3L/1295cc L4 SOHC (Mazda eng.)
HA2821C	FORD - (1990-88) 1.3L/1295cc L4 SOHC (Mazda eng.)
HA2822	FORD - (1978-72) 1.8L/1797cc L4 SOHC (Mazda eng.)
HA2822C	FORD - (1978-72) 1.8L/1797cc L4 SOHC (Mazda eng.)
HA2823	FORD - (1993-90) 1.3L/1295cc L4 SOHC (Mazda eng.)
HA2823C	FORD - (1993-90) 1.3L/1295cc L4 SOHC (Mazda eng.)
HA2824	MAZDA - (1999) 1.6L/1589cc L4 DOHC (Mazda eng.)
HA2824C	MAZDA - (1999) 1.6L/1589cc L4 DOHC (Mazda eng.)
HA2825	FORD - (1995-94) 1.3L/1295cc L4 SOHC (Mazda eng.)
HA2825C	FORD - (1995-94) 1.3L/1295cc L4 SOHC (Mazda eng.)
HA2826	FORD, MAZDA - (1988-86) 1.6L/1597cc L4 SOHC (Mazda eng.)
HA2826C	FORD, MAZDA - (1988-86) 1.6L/1597cc L4 SOHC (Mazda eng.)
HA2827	MAZDA - (1999-98) 2.0L/1998cc L4 DOHC (Mazda eng.)
HA2827C	MAZDA - (1999-98) 2.0L/1998cc L4 DOHC (Mazda eng.)

# Numerical Listing

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Part No.	Applications
<b>ENGINE</b>	
HA2828	MAZDA - (2001-99) 1.8L/1839cc L4 DOHC (Mazda eng.)
HA2828C	MAZDA - (2001-99) 1.8L/1839cc L4 DOHC (Mazda eng.)
HA2829R	MAZDA - (1997-88) 3.0L/2954cc V6 SOHC (Mazda eng.)
HA2829RC	MAZDA - (1997-88) 3.0L/2954cc V6 SOHC (Mazda eng.)
HA2830L	MAZDA - (1997-88) 3.0L/2954cc V6 SOHC (Mazda eng.)
HA2830LC	MAZDA - (1997-88) 3.0L/2954cc V6 SOHC (Mazda eng.)
HA2831R	MAZDA - (1991-90) 3.0L/2954cc V6 DOHC (Mazda eng.)
HA2831RC	MAZDA - (1991-90) 3.0L/2954cc V6 DOHC (Mazda eng.)
HA2832L	MAZDA - (1991-90) 3.0L/2954cc V6 DOHC (Mazda eng.)
HA2832LC	MAZDA - (1991-90) 3.0L/2954cc V6 DOHC (Mazda eng.)
HA2833L	MAZDA - (1995-92) 3.0L/2954cc V6 DOHC (Mazda eng.)
HA2833LC	MAZDA - (1995-92) 3.0L/2954cc V6 DOHC (Mazda eng.)
HA2834R	MAZDA - (1995-92) 3.0L/2954cc V6 DOHC (Mazda eng.)
HA2834RC	MAZDA - (1995-92) 3.0L/2954cc V6 DOHC (Mazda eng.)
HA2835L	MAZDA - (1996-92) 1.8L/1844cc V6 DOHC (Mazda eng.)
HA2835LC	MAZDA - (1996-92) 1.8L/1844cc V6 DOHC (Mazda eng.)
HA2836R	MAZDA - (1996-92) 1.8L/1844cc V6 DOHC (Mazda eng.)
HA2836RC	MAZDA - (1996-92) 1.8L/1844cc V6 DOHC (Mazda eng.)
HA2837L	FORD, MAZDA - (1997-92) 2.5L/2497cc V6 DOHC (Mazda eng.)
HA2837LC	FORD, MAZDA - (1997-92) 2.5L/2497cc V6 DOHC (Mazda eng.)
HA2838R	FORD, MAZDA - (1997-92) 2.5L/2497cc V6 DOHC (Mazda eng.)
HA2838RC	FORD, MAZDA - (1997-92) 2.5L/2497cc V6 DOHC (Mazda eng.)
HA2839L	FORD, MAZDA - (1999-95) 2.5L/2497cc V6 DOHC (Mazda eng.)
HA2839LC	FORD, MAZDA - (1999-95) 2.5L/2497cc V6 DOHC (Mazda eng.)
HA2840R	FORD, MAZDA - (1999-95) 2.5L/2497cc V6 DOHC (Mazda eng.)
HA2840RC	FORD, MAZDA - (1999-95) 2.5L/2497cc V6 DOHC (Mazda eng.)
HA2841L	MAZDA - (2000-95) 2.3L/2255cc V6 DOHC (Mazda eng.)
HA2841LC	MAZDA - (2000-95) 2.3L/2255cc V6 DOHC (Mazda eng.)
HA2842R	MAZDA - (2000-95) 2.3L/2255cc V6 DOHC (Mazda eng.)
HA2842RC	MAZDA - (2000-95) 2.3L/2255cc V6 DOHC (Mazda eng.)
HA2843	FORD - (1982-78) 2.0L/1970cc L4 SOHC (Mazda eng.)
HA2843C	FORD - (1982-78) 2.0L/1970cc L4 SOHC (Mazda eng.)
HA2844	FORD - (1994) 1.6L/1597cc L4 DOHC (Mazda eng.)
HA2844C	FORD - (1994) 1.6L/1597cc L4 DOHC (Mazda eng.)
HA2845	FORD - (1994) 1.6L/1597cc L4 DOHC (Mazda eng.)
HA2845C	FORD - (1994) 1.6L/1597cc L4 DOHC (Mazda eng.)
HA2846	FORD - (1978-72) 1.8L/1797cc L4 SOHC (Mazda eng.)
HA2846C	FORD - (1978-72) 1.8L/1797cc L4 SOHC (Mazda eng.)
HA2847	FORD - (1997-96) 1.3L/1295cc L4 SOHC (Mazda eng.)
HA2847C	FORD - (1997-96) 1.3L/1295cc L4 SOHC (Mazda eng.)
HA3000	CHRYSLER - (2000-94) 8.0L/488 V10 OHV (Chrysler eng.)
HA3001	CHRYSLER - (2000-92) 8.0L/488 V10 OHV (Chrysler eng.)
HA3002	CHRYSLER - (2000-95) 2.4L/148 L4 DOHC (Chrysler eng.)
HA3002C	CHRYSLER - (2000-95) 2.4L/148 L4 DOHC (Chrysler eng.)
HA3003	CHRYSLER, MITSUBISHI - (1999-95) 2.0L/122 L4 DOHC (Chrysler eng.)
HA3003C	CHRYSLER, MITSUBISHI - (1999-95) 2.0L/122 L4 DOHC (Chrysler eng.)
HA3004	CHRYSLER - (1993-91) 2.2L/135 L4 DOHC (Chrysler eng.)
HA3004C	CHRYSLER - (1993-91) 2.2L/135 L4 DOHC (Chrysler eng.)
HA3005	CHRYSLER - (1995) 2.0L/122 L4 SOHC (Chrysler eng.)
HA3005C	CHRYSLER - (1995) 2.0L/122 L4 SOHC (Chrysler eng.)
HA3006	CHRYSLER - (1985-81) 2.2L/135 L4 SOHC (Chrysler eng.)

Part No.	Applications
<b>ENGINES -Continued</b>	
HA3006C	CHRYSLER - (1985-81) 2.2L/135 L4 SOHC (Chrysler eng.)
HA3007	CHRYSLER - (1987-86) 2.2L/135, (1988-86) 2.5L/152 L4 SOHC (Chrysler eng.)
HA3007C	CHRYSLER - (1987-86) 2.2L/135, (1988-86) 2.5L/152 L4 SOHC (Chrysler eng.)
HA3008	CHRYSLER - (1994-88) 2.2L/135, (1995-88) 2.5L/152 L4 SOHC (Chrysler eng.)
HA3008C	CHRYSLER - (1994-88) 2.2L/135, (1995-88) 2.5L/152 L4 SOHC (Chrysler eng.)
HA3009	CHRYSLER - (1985-84) 2.2L/135 L4 SOHC (Chrysler eng.)
HA3009C	CHRYSLER - (1985-84) 2.2L/135 L4 SOHC (Chrysler eng.)
HA3010	CHRYSLER - (1999-95) 2.0L/122 L4 DOHC (Chrysler eng.)
HA3010C	CHRYSLER - (1999-95) 2.0L/122 L4 DOHC (Chrysler eng.)
HA3011	CHRYSLER - (1974-70) 3.2L/198, (1974-61) 3.7L/225 L6 OHV (Chrysler eng.)
HA3012	CHRYSLER - (1971-60) 2.8L/170, (1974-70) 3.2L/198, (1974-61) 3.7L/225 L6 OHV (Chrysler eng.)
HA3013	CHRYSLER - (1979-75) 3.7L/225 L6 OHV (Chrysler eng.)
HA3014	CHRYSLER - (1979-75) 3.7L/225 L6 OHV (Chrysler eng.)
HA3015	CHRYSLER - (1980) 3.7L/225 L6 OHV (Chrysler eng.)
HA3016	CHRYSLER - (1987-81) 3.7L/225 L6 OHV (Chrysler eng.)
HA3017L	CHRYSLER - (2000-98) 2.7L/167 V6 DOHC (Chrysler eng.)
HA3017LC	CHRYSLER - (2000-98) 2.7L/167 V6 DOHC (Chrysler eng.)
HA3018	CHRYSLER - (1991-86) 3.9L/238 V6 OHV (Chrysler eng.)
HA3019	CHRYSLER - (2003-92) 3.9L/238 V6 OHV (Chrysler eng.)
HA3020	CHRYSLER - (1993-90) 3.3L/202, (1993-90) 3.8L/230 V6 OHV (Chrysler eng.)
HA3021	CHRYSLER - (1997-94) 3.3L/202, (1997-94) 3.8L/230 V6 OHV (Chrysler eng.)
HA3022L	CHRYSLER - (2001-98) 3.2L/197 V6 SOHC (Chrysler eng.)
HA3022LC	CHRYSLER - (2001-98) 3.2L/197 V6 SOHC (Chrysler eng.)
HA3023R	CHRYSLER - (2001-98) 3.2L/197 V6 SOHC (Chrysler eng.)
HA3023RC	CHRYSLER - (2001-98) 3.2L/197 V6 SOHC (Chrysler eng.)
HA3024L	CHRYSLER - (1994-93) 3.5L/215 V6 SOHC (Chrysler eng.)
HA3024LC	CHRYSLER - (1994-93) 3.5L/215 V6 SOHC (Chrysler eng.)
HA3025L	CHRYSLER - (1997-95) 3.5L/215 V6 SOHC (Chrysler eng.)
HA3025LC	CHRYSLER - (1997-95) 3.5L/215 V6 SOHC (Chrysler eng.)
HA3026	CHRYSLER - (2000-98) 3.3L/202, (2000-98) 3.8L/230 V6 OHV (Chrysler eng.)
HA3027R	CHRYSLER - (2000-98) 2.7L/167 V6 DOHC (Chrysler eng.)
HA3027RC	CHRYSLER - (2000-98) 2.7L/167 V6 DOHC (Chrysler eng.)
HA3028R	CHRYSLER - (1994-93) 3.5L/215 V6 SOHC (Chrysler eng.)
HA3028RC	CHRYSLER - (1994-93) 3.5L/215 V6 SOHC (Chrysler eng.)
HA3029R	CHRYSLER - (1997-95) 3.5L/215 V6 SOHC (Chrysler eng.)
HA3029RC	CHRYSLER - (1997-95) 3.5L/215 V6 SOHC (Chrysler eng.)
HA3030R	CHRYSLER - (2000-98) 3.5L/215 V6 SOHC (Chrysler eng.)
HA3030RC	CHRYSLER - (2000-98) 3.5L/215 V6 SOHC (Chrysler eng.)
HA3031L	CHRYSLER - (2000-98) 3.5L/215 V6 SOHC (Chrysler eng.)
HA3031LC	CHRYSLER - (2000-98) 3.5L/215 V6 SOHC (Chrysler eng.)
HA3032	CHRYSLER - (1966-62) 5.2L/318 V8 OHV (Chrysler eng.)
HA3033	CHRYSLER - (1974-67) 5.2L/318 V8 OHV (Chrysler eng.)
HA3034	CHRYSLER - (1974-68) 5.2L/318 V8 OHV (Chrysler eng.)
HA3035	CHRYSLER - (1984-75) 5.2L/318 V8 OHV (Chrysler eng.)
HA3036	CHRYSLER - (1984-75) 5.2L/318 V8 OHV (Chrysler eng.)
HA3037	CHRYSLER - (1978-75) 5.2L/318 V8 OHV (Chrysler eng.)
HA3038	CHRYSLER - (1973-68) 5.6L/340, (1974-70) 5.9L/360 V8 OHV (Chrysler eng.)
HA3039	CHRYSLER - (1988-75) 5.9L/360 V8 OHV (Chrysler eng.)
HA3040	CHRYSLER - (1988-75) 5.9L/360 V8 OHV (Chrysler eng.)
HA3041	CHRYSLER - (1971-65) 6.3L/383 V8 OHV (Chrysler eng.)
HA3042	CHRYSLER - (1971-68) 6.3L/383 V8 OHV (Chrysler eng.)

# Numerical Listing

-Continued

Part No.	Applications
<b>ENGINE</b>	
HA3043	CHRYSLER - (1979-60) 5.9L/361, (1979-60) 6.8L/413 V8 OHV (Chrysler eng.)
HA3044	CHRYSLER - (1989-85) 5.2L/318 V8 OHV (Chrysler eng.)
HA3045	CHRYSLER - (1991-90) 5.2L/318 V8 OHV (Chrysler eng.)
HA3046	CHRYSLER - (1980-68) 7.2L/440 V8 OHV (Chrysler eng.)
HA3047	AMC/JEEP, CHRYSLER - (2002-92) 5.2L/318, (1999-94) 5.9L/360 V8 OHV (Chrysler eng.)
HA3048	CHRYSLER - (1993-89) 5.9L/360 V8 OHV (Chrysler eng.)
HA3049L	AMC/JEEP - (2000-99) 4.7L/287 V8 SOHC (Chrysler eng.)
HA3049LC	AMC/JEEP - (2000-99) 4.7L/287 V8 SOHC (Chrysler eng.)
HA3050R	AMC/JEEP - (2000-99) 4.7L/287 V8 SOHC (Chrysler eng.)
HA3050RC	AMC/JEEP - (2000-99) 4.7L/287 V8 SOHC (Chrysler eng.)
HA3051	AMC/JEEP - (2004-02) 3.7L/226 V6 SOHC (Chrysler eng.)
HA3051C	AMC/JEEP - (2004-02) 3.7L/226 V6 SOHC (Chrysler eng.)
HA3052	AMC/JEEP - (2002) 4.7L/287 V8 SOHC (Chrysler eng.)
HA3052C	AMC/JEEP - (2002) 4.7L/287 V8 SOHC (Chrysler eng.)
HA3053	AMC/JEEP - (2002-01) 4.7L/287 V8 SOHC (Chrysler eng.)
HA3053C	AMC/JEEP - (2002-01) 4.7L/287 V8 SOHC (Chrysler eng.)
HA3054	CHRYSLER - (2000-96) 2.0L/122 L4 SOHC (Chrysler eng.)
HA3054C	CHRYSLER - (2000-96) 2.0L/122 L4 SOHC (Chrysler eng.)
HA3056	CHRYSLER - (1985-83) 2.2L/135 L4 SOHC (Chrysler eng.)
HA3056C	CHRYSLER - (1985-83) 2.2L/135 L4 SOHC (Chrysler eng.)
HA3057	CHRYSLER - (1992-88) 2.2L/135 L4 SOHC (Chrysler eng.)
HA3057C	CHRYSLER - (1992-88) 2.2L/135 L4 SOHC (Chrysler eng.)
HA3058	CHRYSLER - (1991-89) 2.5L/152 L4 SOHC (Chrysler eng.)
HA3058C	CHRYSLER - (1991-89) 2.5L/152 L4 SOHC (Chrysler eng.)
HA3059	CHRYSLER - (1995-93) 2.2L/135 L4 SOHC (Chrysler eng.)
HA3059C	CHRYSLER - (1995-93) 2.2L/135 L4 SOHC (Chrysler eng.)
HA3060	CHRYSLER - (1995-93) 2.5L/152 L4 SOHC (Chrysler eng.)
HA3060C	CHRYSLER - (1995-93) 2.5L/152 L4 SOHC (Chrysler eng.)
HA3061	CHRYSLER - (1971-69) 6.3L/383 V8 OHV (Chrysler eng.)
HA3062	CHRYSLER - (1971-68) 6.3L/383, (1978-72) 6.6L/400, (1980-68) 7.2L/440 V8 OHV (Chrysler eng.)
HA3063	CHRYSLER - (1978-72) 6.6L/400, (1980-68) 7.2L/440 V8 OHV (Chrysler eng.)
HA3064	CHRYSLER - (1979-68) 5.9L/361, (1979-60) 6.8L/413 V8 OHV (Chrysler eng.)
HA3065	CHRYSLER - (1980-68) 7.2L/440 V8 OHV (Chrysler eng.)
HA3800	CHRYSLER - (2000-98) 5.9L/359 L6 OHV Diesel (Cummins eng.)
HA3801	CHRYSLER - (1998-91) 5.9L/359 L6 OHV Diesel (Cummins eng.)
HA3802	CHRYSLER - (1993-89) 5.9L/359 L6 OHV Diesel (Cummins eng.)
HA4000	GM - (1979-77) 2.5L/151 L4 OHV (Pontiac eng.)
HA4001	GM - (1981-78) 2.5L/151 L4 OHV (Pontiac eng.)
HA4002	GM - (1981-78) 2.5L/151 L4 OHV (Pontiac eng.)
HA4003	AMC/JEEP, GM - (1983-80) 2.5L/151 L4 OHV (Pontiac eng.)
HA4004	AMC/JEEP, GM - (1983-80) 2.5L/151 L4 OHV (Pontiac eng.)
HA4005	GM - (1986-84) 2.5L/151 L4 OHV (Pontiac eng.)
HA4006	GM - (1986-85) 2.5L/151 L4 OHV (Pontiac eng.)
HA4007	GM - (1988-87) 2.5L/151 L4 OHV (Pontiac eng.)
HA4008	GM - (1988-87) 2.5L/151 L4 OHV (Pontiac eng.)
HA4009	GM - (1988) 2.5L/151 L4 OHV (Pontiac eng.)
HA4010	GM - (1993-88) 1.6L/98 L4 SOHC (Pontiac eng.)
HA4010C	GM - (1993-88) 1.6L/98 L4 SOHC (Pontiac eng.)
HA4011	GM - (1986-82) 1.8L/112 L4 SOHC (Pontiac eng.)
HA4011C	GM - (1986-82) 1.8L/112 L4 SOHC (Pontiac eng.)
HA4012	GM - (1991-87) 2.0L/122 L4 SOHC (Pontiac eng.)

Part No.	Applications
<b>ENGINES -Continued</b>	
HA4012C	GM - (1991-87) 2.0L/122 L4 SOHC (Pontiac eng.)
HA4013	GM - (1994-92) 2.0L/122 L4 SOHC (Pontiac eng.)
HA4013C	GM - (1994-92) 2.0L/122 L4 SOHC (Pontiac eng.)
HA4014	GM - (1993-89) 2.5L/151 L4 OHV (Pontiac eng.)
HA4015	GM - (1992-89) 2.5L/151 L4 OHV (Pontiac eng.)
HA4016	GM - (1991-89) 2.5L/151 L4 OHV (Pontiac eng.)
HA4017	GM - (1979-77) 4.9L/301 V8 OHV (Pontiac eng.)
HA4018	GM - (1981-80) 4.9L/301 V8 OHV (Pontiac eng.)
HA4019	GM - (1971-68) 5.7L/350 V8 OHV (Pontiac eng.)
HA4020	GM - (1967) 6.6L/400 V8 OHV (Pontiac eng.)
HA4021	GM - (1979-72) 5.7L/350 V8 OHV (Pontiac eng.)
HA4022	GM - (1971-70) 7.5L/455 V8 OHV (Pontiac eng.)
HA4023	GM - (1979-72) 6.6L/400 V8 OHV (Pontiac eng.)
HA4024	GM - (1979-72) 7.5L/455 V8 OHV (Pontiac eng.)
HA4025	GM - (1979-72) 5.7L/350 V8 OHV (Pontiac eng.)
HA4026	GM - (1979-72) 7.5L/455 V8 OHV (Pontiac eng.)
HA4027	GM - (1981-80) 4.3L/265 V8 OHV (Pontiac eng.)
HA4028	GM - (1986-84) 2.5L/151 L4 OHV (Pontiac eng.)
HA4029	GM - (1986-84) 1.8L/112 L4 SOHC (Pontiac eng.)
HA4029C	GM - (1986-84) 1.8L/112 L4 SOHC (Pontiac eng.)
HA4030	GM - (1971-68) 6.6L/400 V8 OHV (Pontiac eng.)
HA4031	GM - (1979-72) 6.6L/400 V8 OHV (Pontiac eng.)
HA4800	VOLVO - (1993-85) 2.3L/2316cc L4 SOHC (Volvo eng.)
HA4800C	VOLVO - (1993-85) 2.3L/2316cc L4 SOHC (Volvo eng.)
HA4801	VOLVO - (1992-85) 2.3L/2316cc L4 SOHC (Volvo eng.)
HA4801C	VOLVO - (1992-85) 2.3L/2316cc L4 SOHC (Volvo eng.)
HA5000	AMC/JEEP, GM - (1969-64) 3.7L/225 V6 OHV (Buick eng.)
HA5001	GM - (1977-75) 3.8L/231 V6 OHV (Buick eng.)
HA5002	GM - (1977-75) 3.8L/231 V6 OHV (Buick eng.)
HA5003	GM - (1978-77) 3.8L/231 V6 OHV (Buick eng.)
HA5004	GM - (1982-79) 3.8L/231 V6 OHV (Buick eng.)
HA5005	GM - (1981-80) 3.8L/231, (1981-80) 4.1L/252 V6 OHV (Buick eng.)
HA5006	GM - (1985-82) 3.0L/181, (1987-82) 3.8L/231, (1984-82) 4.1L/252 V6 OHV (Buick eng.)
HA5007	GM - (1988-85) 3.0L/181, (1988-86) 3.8L/231 V6 OHV (Buick eng.)
HA5008	GM - (1989) 3.8L/231 V6 OHV (Buick eng.)
HA5009	GM - (1990-89) 3.3L/204, (1991-88) 3.8L/231 V6 OHV (Buick eng.)
HA5010	GM - (1993-92) 3.3L/204 V6 OHV (Buick eng.)
HA5011	GM - (1998-95) 3.8L/231 V6 OHV (Buick eng.)
HA5012	GM - (2000-99) 3.8L/231 V6 OHV (Buick eng.)
HA5013	GM - (1995-93) 3.8L/231 V6 OHV (Buick eng.)
HA5014	GM - (1995-93) 3.8L/231 V6 OHV (Buick eng.)
HA5015	GM - (2000-99) 3.8L/231 V6 OHV (Buick eng.)
HA5016	GM - (1969-68) 5.7L/350 V8 OHV (Buick eng.)
HA5017	GM - (1971-70) 5.7L/350 V8 OHV (Buick eng.)
HA5018	GM - (1980-72) 5.7L/350 V8 OHV (Buick eng.)
HA5019	GM - (1980-72) 5.7L/350 V8 OHV (Buick eng.)
HA5020	GM - (1969-67) 7.0L/430 V8 OHV (Buick eng.)
HA5021	GM - (1971-70) 7.5L/455 V8 OHV (Buick eng.)
HA5022	GM - (1972) 7.5L/455 V8 OHV (Buick eng.)
HA5023	GM - (1974-72) 7.5L/455 V8 OHV (Buick eng.)
HA5024	GM - (1976-75) 7.5L/455 V8 OHV (Buick eng.)
HA5025	GM - (1976-75) 7.5L/455 V8 OHV (Buick eng.)
HA5026	GM - (1998-93) 3.8L/231 V6 OHV (Buick eng.)
HA5027	GM - (1992) 3.8L/231 V6 OHV (Buick eng.)
HA5028	GM - (1991) 3.3L/204 V6 OHV (Buick eng.)
HA5029	GM - (1979-78) 3.2L/196 V6 OHV (Buick eng.)
HA5800	GM, ISUZU - (1990-85) 1.5L/1471cc L4 SOHC (Isuzu eng.)

# Numerical Listing

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Part No.	Applications
<b>ENGINE</b>	
HA5800C	GM, ISUZU - (1990-85) 1.5L/1471cc L4 SOHC (Isuzu eng.)
HA5801	GM, ISUZU - (1990-85) 1.5L/1471cc L4 SOHC (Isuzu eng.)
HA5801C	GM, ISUZU - (1990-85) 1.5L/1471cc L4 SOHC (Isuzu eng.)
HA5802	GM, ISUZU - (1987-82) 1.9L/1949cc L4 SOHC (Isuzu eng.)
HA5802C	GM, ISUZU - (1987-82) 1.9L/1949cc L4 SOHC (Isuzu eng.)
HA5803	GM, ISUZU - (1987-82) 1.9L/1949cc L4 SOHC (Isuzu eng.)
HA5803C	GM, ISUZU - (1987-82) 1.9L/1949cc L4 SOHC (Isuzu eng.)
HA5804	ISUZU - (1995-86) 2.3L/2254cc L4 SOHC (Isuzu eng.)
HA5804C	ISUZU - (1995-86) 2.3L/2254cc L4 SOHC (Isuzu eng.)
HA5805	GEO, ISUZU - (1995-90) 1.6L/1588cc L4 SOHC (Isuzu eng.)
HA5805C	GEO, ISUZU - (1995-90) 1.6L/1588cc L4 SOHC (Isuzu eng.)
HA5806	ISUZU - (1989-85) 2.0L/1994cc L4 SOHC (Isuzu eng.)
HA5806C	ISUZU - (1989-85) 2.0L/1994cc L4 SOHC (Isuzu eng.)
HA5807	GM, ISUZU - (1982-76) 1.8L/1817cc L4 SOHC (Isuzu eng.)
HA5807C	GM, ISUZU - (1982-76) 1.8L/1817cc L4 SOHC (Isuzu eng.)
HA5808	GM, ISUZU - (1975-73) 1.8L/1817cc L4 SOHC (Isuzu eng.)
HA5808C	GM, ISUZU - (1975-73) 1.8L/1817cc L4 SOHC (Isuzu eng.)
HA5809	GM, ISUZU - (1985-76) 1.8L/1817cc L4 SOHC (Isuzu eng.)
HA5809C	GM, ISUZU - (1985-76) 1.8L/1817cc L4 SOHC (Isuzu eng.)
HA5810	GM, ISUZU - (1985-76) 1.8L/1817cc L4 SOHC (Isuzu eng.)
HA5810C	GM, ISUZU - (1985-76) 1.8L/1817cc L4 SOHC (Isuzu eng.)
HA5811	GM, ISUZU - (1985-82) 1.9L/1949cc L4 SOHC (Isuzu eng.)
HA5811C	GM, ISUZU - (1985-82) 1.9L/1949cc L4 SOHC (Isuzu eng.)
HA5812	GM, ISUZU - (1987-82) 1.9L/1949cc L4 SOHC (Isuzu eng.)
HA5812C	GM, ISUZU - (1987-82) 1.9L/1949cc L4 SOHC (Isuzu eng.)
HA5813	GEO, ISUZU - (1991-88) 1.6L/1588cc, (1993-92) 1.8L/1809cc L4 DOHC (Isuzu eng.)
HA5813C	GEO, ISUZU - (1991-88) 1.6L/1588cc, (1993-92) 1.8L/1809cc L4 DOHC (Isuzu eng.)
HA5814	ISUZU - (1992-88) 2.6L/2559cc L4 SOHC (Isuzu eng.)
HA5814C	ISUZU - (1992-88) 2.6L/2559cc L4 SOHC (Isuzu eng.)
HA5815	HONDA, ISUZU - (1997-93) 2.6L/2559cc L4 SOHC (Isuzu eng.)
HA5815C	HONDA, ISUZU - (1997-93) 2.6L/2559cc L4 SOHC (Isuzu eng.)
HA5816	ISUZU - (1993-92) 1.8L/1809cc L4 DOHC (Isuzu eng.)
HA5816C	ISUZU - (1993-92) 1.8L/1809cc L4 DOHC (Isuzu eng.)
HA5817	ISUZU - (1999-98) 2.2L/2198cc L4 DOHC (Isuzu eng.)
HA5817C	ISUZU - (1999-98) 2.2L/2198cc L4 DOHC (Isuzu eng.)
HA5818L	ACURA, HONDA, ISUZU - (1997-92) 3.2L/3165cc V6 SOHC (Isuzu eng.)
HA5818LC	ACURA, HONDA, ISUZU - (1997-92) 3.2L/3165cc V6 SOHC (Isuzu eng.)
HA5819L	ISUZU - (1995-92) 3.2L/3165cc V6 DOHC (Isuzu eng.)
HA5819LC	ISUZU - (1995-92) 3.2L/3165cc V6 DOHC (Isuzu eng.)
HA5820R	ISUZU - (1995-92) 3.2L/3165cc V6 DOHC (Isuzu eng.)
HA5820RC	ISUZU - (1995-92) 3.2L/3165cc V6 DOHC (Isuzu eng.)
HA5821R	ACURA, HONDA, ISUZU - (1997-92) 3.2L/3165cc V6 SOHC (Isuzu eng.)
HA5821RC	ACURA, HONDA, ISUZU - (1997-92) 3.2L/3165cc V6 SOHC (Isuzu eng.)
HA5822L	ISUZU - (1997-95) 3.2L/3165cc V6 SOHC (Isuzu eng.)
HA5822LC	ISUZU - (1997-95) 3.2L/3165cc V6 SOHC (Isuzu eng.)
HA5823R	HONDA, ISUZU - (1999-98) 3.2L/3165cc V6 DOHC (Isuzu eng.)
HA5823RC	HONDA, ISUZU - (1999-98) 3.2L/3165cc V6 DOHC (Isuzu eng.)
HA5824L	HONDA, ISUZU - (1999-98) 3.2L/3165cc V6 DOHC (Isuzu eng.)
HA5824LC	HONDA, ISUZU - (1999-98) 3.2L/3165cc V6 DOHC (Isuzu eng.)

Part No.	Applications
<b>ENGINES</b> -Continued	
HA5825R	ISUZU - (1997-95) 3.2L/3165cc V6 SOHC (Isuzu eng.)
HA5825RC	ISUZU - (1997-95) 3.2L/3165cc V6 SOHC (Isuzu eng.)
HA5826L	ISUZU - (2002-98) 3.5L/3494cc V6 DOHC (Isuzu eng.)
HA5826LC	ISUZU - (2002-98) 3.5L/3494cc V6 DOHC (Isuzu eng.)
HA5827R	ACURA, ISUZU - (2002-98) 3.5L/3494cc V6 DOHC (Isuzu eng.)
HA5827RC	ACURA, ISUZU - (2002-98) 3.5L/3494cc V6 DOHC (Isuzu eng.)
HA5828L	ACURA - (1999-98) 3.5L/3494cc V6 DOHC (Isuzu eng.)
HA5828LC	ACURA - (1999-98) 3.5L/3494cc V6 DOHC (Isuzu eng.)
HA5850L	GM, SATURN - (2000-97) 3.0L/181 V6 DOHC (Cadillac eng.)
HA5850LC	GM, SATURN - (2000-97) 3.0L/181 V6 DOHC (Cadillac eng.)
HA5851R	GM, SATURN - (2000-97) 3.0L/181 V6 DOHC (Cadillac eng.)
HA5851RC	GM, SATURN - (2000-97) 3.0L/181 V6 DOHC (Cadillac eng.)
HA5852	ISUZU - (1995-86) 2.3L/2254cc L4 SOHC (Isuzu eng.)
HA5852C	ISUZU - (1995-86) 2.3L/2254cc L4 SOHC (Isuzu eng.)
HA5853	ISUZU - (1992-88) 1.6L/1588cc L4 DOHC (Isuzu eng.)
HA5853C	ISUZU - (1992-88) 1.6L/1588cc L4 DOHC (Isuzu eng.)
HA5854L	HONDA - (1997-95) 3.2L/3165cc V6 SOHC (Isuzu eng.)
HA5854LC	HONDA - (1997-95) 3.2L/3165cc V6 SOHC (Isuzu eng.)
HA5855R	HONDA - (1997-95) 3.2L/3165cc V6 SOHC (Isuzu eng.)
HA5855RC	HONDA - (1997-95) 3.2L/3165cc V6 SOHC (Isuzu eng.)
HA6000	AMC/JEEP - (1987-83) 2.5L/150 L4 OHV (AMC eng.)
HA6001	AMC/JEEP, CHRYSLER - (2002-86) 2.5L/150 L4 OHV (AMC eng.)
HA6002	AMC/JEEP, IHC - (1972-64) 3.8L/232, (1974-64) 4.2L/258 L6 OHV (AMC eng.)
HA6003	AMC/JEEP, IHC - (1975-72) 3.8L/232, (1975-72) 4.2L/258 L6 OHV (AMC eng.)
HA6004	AMC/JEEP - (1980-76) 3.8L/232, (1979-76) 4.2L/258 L6 OHV (AMC eng.)
HA6005	AMC/JEEP - (1985-81) 4.2L/258 L6 OHV (AMC eng.)
HA6006	AMC/JEEP - (1987-86) 4.2L/258 L6 OHV (AMC eng.)
HA6007	AMC/JEEP - (1990-87) 4.2L/258 L6 OHV (AMC eng.)
HA6008	AMC/JEEP - (1990-87) 4.0L/242 L6 OHV (AMC eng.)
HA6009	AMC/JEEP - (1995-91) 4.0L/242 L6 OHV (AMC eng.)
HA6010	AMC/JEEP - (2000-96) 4.0L/242 L6 OHV (AMC eng.)
HA6011	AMC/JEEP - (1972-70) 5.0L/304 V8 OHV (AMC eng.)
HA6012	AMC/JEEP - (1971-70) 5.9L/360, (1971) 6.6L/401 V8 OHV (AMC eng.)
HA6013	AMC/JEEP - (1983-73) 5.0L/304 V8 OHV (AMC eng.)
HA6014	AMC/JEEP - (1970) 6.4L/390 V8 OHV (AMC eng.)
HA6015	AMC/JEEP - (1978-72) 5.9L/360, (1978-72) 6.6L/401 V8 OHV (AMC eng.)
HA6016	AMC/JEEP - (1991-79) 5.9L/360 V8 OHV (AMC eng.)
HA6017	AMC/JEEP - (2004-99) 4.0L/242 L6 OHV (AMC eng.)
HA6018	AMC/JEEP - (1980) 4.2L/258 L6 OHV (AMC eng.)
HA6019	AMC/JEEP - (1985-83) 4.2L/258 L6 OHV (AMC eng.)
HA6020	AMC/JEEP - (1987-83) 2.5L/150 L4 OHV (AMC eng.)
HA6021	AMC/JEEP - (2000-96) 2.5L/150 L4 OHV (AMC eng.)
HA6022	AMC/JEEP - (1978-72) 5.9L/360 V8 OHV (AMC eng.)
HA6500	CHRYSLER - (1984-79) 1.4L/1410cc L4 SOHC (Mitsubishi eng.)
HA6500C	CHRYSLER - (1984-79) 1.4L/1410cc L4 SOHC (Mitsubishi eng.)
HA6501	CHRYSLER, MITSUBISHI - (1990-85) 1.5L/1468cc L4 SOHC (Mitsubishi eng.)
HA6501C	CHRYSLER, MITSUBISHI - (1990-85) 1.5L/1468cc L4 SOHC (Mitsubishi eng.)
HA6502	CHRYSLER, HYUNDAI, MITSUBISHI - (1990-85) 1.5L/1468cc L4 SOHC (Mitsubishi eng.)

# Numerical Listing

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Part No.	Applications
<b>ENGINE</b>	
HA6502C	CHRYSLER, HYUNDAI, MITSUBISHI - (1990-85) 1.5L/1468cc L4 SOHC (Mitsubishi eng.)
HA6503	MITSUBISHI - (1999-97) 1.5L/1468cc L4 SOHC (Mitsubishi eng.)
HA6503C	MITSUBISHI - (1999-97) 1.5L/1468cc L4 SOHC (Mitsubishi eng.)
HA6504	CHRYSLER, MITSUBISHI - (1992-90) 1.5L/1468cc L4 SOHC (Mitsubishi eng.)
HA6504C	CHRYSLER, MITSUBISHI - (1992-90) 1.5L/1468cc L4 SOHC (Mitsubishi eng.)
HA6505	CHRYSLER, HYUNDAI, MITSUBISHI - (1996-93) 1.5L/1468cc L4 SOHC (Mitsubishi eng.)
HA6505C	CHRYSLER, HYUNDAI, MITSUBISHI - (1996-93) 1.5L/1468cc L4 SOHC (Mitsubishi eng.)
HA6506	HYUNDAI - (1994-93) 1.5L/1495cc L4 SOHC (Mitsubishi eng.)
HA6506C	HYUNDAI - (1994-93) 1.5L/1495cc L4 SOHC (Mitsubishi eng.)
HA6507	HYUNDAI - (1999-94) 1.5L/1495cc L4 SOHC (Mitsubishi eng.)
HA6507C	HYUNDAI - (1999-94) 1.5L/1495cc L4 SOHC (Mitsubishi eng.)
HA6508	HYUNDAI - (1998-96) 1.5L/1495cc L4 DOHC (Mitsubishi eng.)
HA6508C	HYUNDAI - (1998-96) 1.5L/1495cc L4 DOHC (Mitsubishi eng.)
HA6509	CHRYSLER - (1989-77) 1.6L/1597cc L4 SOHC (Mitsubishi eng.)
HA6509C	CHRYSLER - (1989-77) 1.6L/1597cc L4 SOHC (Mitsubishi eng.)
HA6510	CHRYSLER - (1983-78) 2.0L/1997cc L4 SOHC (Mitsubishi eng.)
HA6510C	CHRYSLER - (1983-78) 2.0L/1997cc L4 SOHC (Mitsubishi eng.)
HA6511	CHRYSLER - (1989-77) 1.6L/1597cc L4 SOHC (Mitsubishi eng.)
HA6511C	CHRYSLER - (1989-77) 1.6L/1597cc L4 SOHC (Mitsubishi eng.)
HA6512	CHRYSLER, MITSUBISHI - (1988-84) 1.6L/1597cc L4 SOHC (Mitsubishi eng.)
HA6512C	CHRYSLER, MITSUBISHI - (1988-84) 1.6L/1597cc L4 SOHC (Mitsubishi eng.)
HA6513	HYUNDAI - (2000-97) 2.0L/1975cc L4 DOHC (Mitsubishi eng.)
HA6513C	HYUNDAI - (2000-97) 2.0L/1975cc L4 DOHC (Mitsubishi eng.)
HA6514	HYUNDAI - (1994-92) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)
HA6514C	HYUNDAI - (1994-92) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)
HA6515	HYUNDAI - (2000-99) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)
HA6515C	HYUNDAI - (2000-99) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)
HA6516	HYUNDAI - (2000-99) 2.4L/2351cc L4 DOHC (Mitsubishi eng.)
HA6516C	HYUNDAI - (2000-99) 2.4L/2351cc L4 DOHC (Mitsubishi eng.)
HA6517	CHRYSLER, MITSUBISHI - (1991-84) 2.0L/1997cc L4 SOHC (Mitsubishi eng.)
HA6517C	CHRYSLER, MITSUBISHI - (1991-84) 2.0L/1997cc L4 SOHC (Mitsubishi eng.)

Part No.	Applications
<b>ENGINES</b> <i>-Continued</i>	
HA6518	CHRYSLER, MITSUBISHI - (1984-83) 2.0L/1997cc L4 SOHC (Mitsubishi eng.)
HA6518C	CHRYSLER, MITSUBISHI - (1984-83) 2.0L/1997cc L4 SOHC (Mitsubishi eng.)
HA6519	CHRYSLER, HYUNDAI, MITSUBISHI - (1993-85) 2.4L/2351cc L4 SOHC (Mitsubishi eng.)
HA6519C	CHRYSLER, HYUNDAI, MITSUBISHI - (1993-85) 2.4L/2351cc L4 SOHC (Mitsubishi eng.)
HA6520	MITSUBISHI - (1993-92) 2.0L/1997cc L4 SOHC (Mitsubishi eng.)
HA6520C	MITSUBISHI - (1993-92) 2.0L/1997cc L4 SOHC (Mitsubishi eng.)
HA6521	CHRYSLER - (1992-89) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)
HA6521C	CHRYSLER - (1992-89) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)
HA6522	CHRYSLER, MITSUBISHI - (1992-89) 2.0L/1997cc L4 SOHC (Mitsubishi eng.)
HA6522C	CHRYSLER, MITSUBISHI - (1992-89) 2.0L/1997cc L4 SOHC (Mitsubishi eng.)
HA6523	CHRYSLER, MITSUBISHI - (1994-93) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)
HA6523C	CHRYSLER, MITSUBISHI - (1994-93) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)
HA6524	CHRYSLER, MITSUBISHI - (1999-95) 2.0L/1997cc, (1995-94) 2.4L/2351cc L4 DOHC (Mitsubishi eng.)
HA6524C	CHRYSLER, MITSUBISHI - (1999-95) 2.0L/1997cc, (1995-94) 2.4L/2351cc L4 DOHC (Mitsubishi eng.)
HA6525	HYUNDAI - (1995) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)
HA6525C	HYUNDAI - (1995) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)
HA6526	HYUNDAI - (1998-96) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)
HA6526C	HYUNDAI - (1998-96) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)
HA6527	CHRYSLER, MITSUBISHI - (1985-81) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)
HA6527C	CHRYSLER, MITSUBISHI - (1985-81) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)
HA6528	CHRYSLER, MITSUBISHI - (1986-81) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)
HA6528C	CHRYSLER, MITSUBISHI - (1986-81) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)
HA6529	CHRYSLER, MITSUBISHI - (1988-81) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)
HA6529C	CHRYSLER, MITSUBISHI - (1988-81) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)
HA6530	CHRYSLER, MITSUBISHI - (1986-79) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)
HA6530C	CHRYSLER, MITSUBISHI - (1986-79) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)
HA6531	CHRYSLER, MITSUBISHI - (1989-85) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)
HA6531C	CHRYSLER, MITSUBISHI - (1989-85) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)
HA6532	CHRYSLER, MAZDA, MITSUBISHI - (1989-83) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)
HA6532C	CHRYSLER, MAZDA, MITSUBISHI - (1989-83) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)
HA6533	MITSUBISHI - (1997-94) 2.4L/2351cc L4 SOHC (Mitsubishi eng.)
HA6533C	MITSUBISHI - (1997-94) 2.4L/2351cc L4 SOHC (Mitsubishi eng.)

# Numerical Listing

**-Continued**

Part No.	Applications	Part No.	Applications
<b>ENGINE</b>		<b>ENGINES -Continued</b>	
HA6534	MITSUBISHI - (2001-98) 2.4L/2351cc L4 SOHC (Mitsubishi eng.)	HA6549C	MITSUBISHI - (1988-84) 1.8L/1795cc L4 SOHC (Mitsubishi eng.)
HA6534C	MITSUBISHI - (2001-98) 2.4L/2351cc L4 SOHC (Mitsubishi eng.)	HA6550	MITSUBISHI - (1988-84) 1.8L/1795cc L4 SOHC (Mitsubishi eng.)
HA6535	MITSUBISHI - (1995-93) 2.4L/2351cc L4 SOHC (Mitsubishi eng.)	HA6550C	MITSUBISHI - (1988-84) 1.8L/1795cc L4 SOHC (Mitsubishi eng.)
HA6535C	MITSUBISHI - (1995-93) 2.4L/2351cc L4 SOHC (Mitsubishi eng.)	HA6551	CHRYSLER, MITSUBISHI - (1994-90) 1.8L/1755cc, (1994-89) 1.8L/1834cc L4 SOHC (Mitsubishi eng.)
HA6536	CHRYSLER, HYUNDAI, MITSUBISHI - (1994-87) 2.4L/2351cc L4 SOHC (Mitsubishi eng.)	HA6551C	CHRYSLER, MITSUBISHI - (1994-90) 1.8L/1755cc, (1994-89) 1.8L/1834cc L4 SOHC (Mitsubishi eng.)
HA6536C	CHRYSLER, HYUNDAI, MITSUBISHI - (1994-87) 2.4L/2351cc L4 SOHC (Mitsubishi eng.)	HA6552	CHRYSLER, MITSUBISHI - (1996-92) 1.8L/1834cc L4 SOHC (Mitsubishi eng.)
HA6537	CHRYSLER, HYUNDAI - (1994-88) 1.5L/1468cc L4 SOHC (Mitsubishi eng.)	HA6552C	CHRYSLER, MITSUBISHI - (1996-92) 1.8L/1834cc L4 SOHC (Mitsubishi eng.)
HA6537C	CHRYSLER, HYUNDAI - (1994-88) 1.5L/1468cc L4 SOHC (Mitsubishi eng.)	HA6553	CHRYSLER, MITSUBISHI - (1996-92) 1.8L/1834cc L4 SOHC (Mitsubishi eng.)
HA6538	MITSUBISHI - (1999-96) 2.4L/2351cc L4 SOHC (Mitsubishi eng.)	HA6553C	CHRYSLER, MITSUBISHI - (1996-92) 1.8L/1834cc L4 SOHC (Mitsubishi eng.)
HA6538C	MITSUBISHI - (1999-96) 2.4L/2351cc L4 SOHC (Mitsubishi eng.)	HA6554	CHRYSLER, MITSUBISHI - (1995-92) 1.8L/1834cc L4 SOHC (Mitsubishi eng.)
HA6539	CHRYSLER, MITSUBISHI - (1991-84) 2.0L/1997cc L4 SOHC (Mitsubishi eng.)	HA6554C	CHRYSLER, MITSUBISHI - (1995-92) 1.8L/1834cc L4 SOHC (Mitsubishi eng.)
HA6539C	CHRYSLER, MITSUBISHI - (1991-84) 2.0L/1997cc L4 SOHC (Mitsubishi eng.)	HA6555	CHRYSLER, MITSUBISHI - (1999-97) 1.8L/1834cc L4 SOHC (Mitsubishi eng.)
HA6540	CHRYSLER, MITSUBISHI - (1992-89) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)	HA6555C	CHRYSLER, MITSUBISHI - (1999-97) 1.8L/1834cc L4 SOHC (Mitsubishi eng.)
HA6540C	CHRYSLER, MITSUBISHI - (1992-89) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)	HA6556	CHRYSLER - (1994-93) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)
HA6541	CHRYSLER - (1998-95) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)	HA6556C	CHRYSLER - (1994-93) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)
HA6541C	CHRYSLER - (1998-95) 2.0L/1997cc L4 DOHC (Mitsubishi eng.)	HA6557L	HYUNDAI - (2000-99) 2.5L/2500cc V6 DOHC (Mitsubishi eng.)
HA6542	CHRYSLER, MITSUBISHI - (1992-89) 1.6L/1595cc L4 DOHC (Mitsubishi eng.)	HA6557LC	HYUNDAI - (2000-99) 2.5L/2500cc V6 DOHC (Mitsubishi eng.)
HA6542C	CHRYSLER, MITSUBISHI - (1992-89) 1.6L/1595cc L4 DOHC (Mitsubishi eng.)	HA6558R	HYUNDAI - (2000-99) 2.5L/2500cc V6 DOHC (Mitsubishi eng.)
HA6543	CHRYSLER, MITSUBISHI - (1990-89) 1.6L/1595cc L4 DOHC (Mitsubishi eng.)	HA6558RC	HYUNDAI - (2000-99) 2.5L/2500cc V6 DOHC (Mitsubishi eng.)
HA6543C	CHRYSLER, MITSUBISHI - (1990-89) 1.6L/1595cc L4 DOHC (Mitsubishi eng.)	HA6559L	CHRYSLER, HYUNDAI, MITSUBISHI - (1995-87) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)
HA6544	HYUNDAI - (1998-96) 1.8L/1796cc L4 DOHC (Mitsubishi eng.)	HA6559LC	CHRYSLER, HYUNDAI, MITSUBISHI - (1995-87) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)
HA6544C	HYUNDAI - (1998-96) 1.8L/1796cc L4 DOHC (Mitsubishi eng.)	HA6560R	CHRYSLER, HYUNDAI, MITSUBISHI - (1995-87) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)
HA6545	HYUNDAI - (1995-94) 1.8L/1796cc L4 DOHC (Mitsubishi eng.)	HA6560RC	CHRYSLER, HYUNDAI, MITSUBISHI - (1995-87) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)
HA6545C	HYUNDAI - (1995-94) 1.8L/1796cc L4 DOHC (Mitsubishi eng.)	HA6561L	CHRYSLER - (1989-88) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)
HA6546	HYUNDAI - (1994-93) 1.8L/1796cc L4 DOHC (Mitsubishi eng.)	HA6561LC	CHRYSLER - (1989-88) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)
HA6546C	HYUNDAI - (1994-93) 1.8L/1796cc L4 DOHC (Mitsubishi eng.)	HA6562R	CHRYSLER - (1989-88) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)
HA6547	MITSUBISHI - (1983) 1.8L/1795cc L4 SOHC (Mitsubishi eng.)	HA6562RC	CHRYSLER - (1989-88) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)
HA6547C	MITSUBISHI - (1983) 1.8L/1795cc L4 SOHC (Mitsubishi eng.)	HA6563L	CHRYSLER - (1999-95) 2.5L/2497cc V6 SOHC (Mitsubishi eng.)
HA6548	MITSUBISHI - (1983) 1.8L/1795cc L4 SOHC (Mitsubishi eng.)	HA6563LC	CHRYSLER - (1999-95) 2.5L/2497cc V6 SOHC (Mitsubishi eng.)
HA6548C	MITSUBISHI - (1983) 1.8L/1795cc L4 SOHC (Mitsubishi eng.)	HA6564L	CHRYSLER, MITSUBISHI - (2000-89) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)
HA6549	MITSUBISHI - (1988-84) 1.8L/1795cc L4 SOHC (Mitsubishi eng.)	HA6564LC	CHRYSLER, MITSUBISHI - (2000-89) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)

# Numerical Listing

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Part No.	Applications	Part No.	Applications
<b>ENGINE</b>		<b>ENGINES</b> <i>-Continued</i>	
HA6565R	CHRYSLER, MITSUBISHI - (2000-89) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)	HA6580C	CHRYSLER - (1988-85) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)
HA6565RC	CHRYSLER, MITSUBISHI - (2000-89) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)	HA6581	HYUNDAI - (1994-92) 1.6L/1595cc L4 DOHC (Mitsubishi eng.)
HA6566R	CHRYSLER, MITSUBISHI - (1992-91) 3.0L/2972cc V6 DOHC (Mitsubishi eng.)	HA6581C	HYUNDAI - (1994-92) 1.6L/1595cc L4 DOHC (Mitsubishi eng.)
HA6566RC	CHRYSLER, MITSUBISHI - (1992-91) 3.0L/2972cc V6 DOHC (Mitsubishi eng.)	HA6582	HYUNDAI - (1995-94) 1.6L/1595cc L4 DOHC (Mitsubishi eng.)
HA6567L	CHRYSLER, MITSUBISHI - (1992-91) 3.0L/2972cc V6 DOHC (Mitsubishi eng.)	HA6582C	HYUNDAI - (1995-94) 1.6L/1595cc L4 DOHC (Mitsubishi eng.)
HA6567LC	CHRYSLER, MITSUBISHI - (1992-91) 3.0L/2972cc V6 DOHC (Mitsubishi eng.)	HA6583LC	MITSUBISHI - (2000-94) 3.5L/3496cc V6 DOHC (Mitsubishi eng.)
HA6568R	CHRYSLER, MITSUBISHI - (1999-93) 3.0L/2972cc V6 DOHC (Mitsubishi eng.)	HA6583R	MITSUBISHI - (2000-94) 3.5L/3496cc V6 DOHC (Mitsubishi eng.)
HA6568RC	CHRYSLER, MITSUBISHI - (1999-93) 3.0L/2972cc V6 DOHC (Mitsubishi eng.)	HA6584L	MITSUBISHI - (2000-94) 3.5L/3496cc V6 DOHC (Mitsubishi eng.)
HA6569L	CHRYSLER, MITSUBISHI - (1999-93) 3.0L/2972cc V6 DOHC (Mitsubishi eng.)	HA6584LC	MITSUBISHI - (2000-94) 3.5L/3496cc V6 DOHC (Mitsubishi eng.)
HA6569LC	CHRYSLER, MITSUBISHI - (1999-93) 3.0L/2972cc V6 DOHC (Mitsubishi eng.)	HA6800	IHC - (1969-58) 4.4L/266 V8 OHV (IHC eng.)
HA6570R	HYUNDAI - (1998-96) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)	HA6801	IHC - (1969-58) 4.4L/266 V8 OHV (IHC eng.)
HA6570RC	HYUNDAI - (1998-96) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)	HA6802	IHC - (1980-58) 5.0L/304 V8 OHV (IHC eng.)
HA6571L	HYUNDAI - (1998-96) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)	HA6803	IHC - (1980-58) 5.0L/304 V8 OHV (IHC eng.)
HA6571LC	HYUNDAI - (1998-96) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)	HA6804	IHC - (1980-58) 5.0L/304 V8 OHV (IHC eng.)
HA6572R	MITSUBISHI - (1997-95) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)	HA6805	IHC - (1984-58) 5.7L/345 V8 OHV (IHC eng.)
HA6572RC	MITSUBISHI - (1997-95) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)	HA6806	IHC - (1984-58) 5.7L/345 V8 OHV (IHC eng.)
HA6573L	MITSUBISHI - (1997-95) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)	HA6807	IHC - (1984-58) 5.7L/345 V8 OHV (IHC eng.)
HA6573LC	MITSUBISHI - (1997-95) 3.0L/2972cc V6 SOHC (Mitsubishi eng.)	HA6808	IHC - (1984-62) 6.4L/392 V8 OHV (IHC eng.)
HA6574R	CHRYSLER - (1999-95) 2.5L/2497cc V6 SOHC (Mitsubishi eng.)	HA6809	IHC - (1984-62) 6.4L/392 V8 OHV (IHC eng.)
HA6574RC	CHRYSLER - (1999-95) 2.5L/2497cc V6 SOHC (Mitsubishi eng.)	HA6810	IHC - (1984-62) 6.4L/392 V8 OHV (IHC eng.)
HA6575	CHRYSLER - (1995-93) 2.4L/2351cc L4 SOHC (Mitsubishi eng.)	HA6811	IHC - (1978-56) 6.6L/401 V8 OHV (IHC eng.)
HA6575C	CHRYSLER - (1995-93) 2.4L/2351cc L4 SOHC (Mitsubishi eng.)	HA6812	IHC - (1984-75) 6.6L/404 V8 OHV (IHC eng.)
HA6576	CHRYSLER - (1984-81) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)	HA6813	IHC - (1984-75) 6.6L/404 V8 OHV (IHC eng.)
HA6576C	CHRYSLER - (1984-81) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)	HA6814	IHC - (1982-75) 8.8L/537 V8 OHV (IHC eng.)
HA6577	CHRYSLER - (1989-84) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)	HA6815	IHC - (1978-56) 7.8L/478 V8 OHV (IHC eng.)
HA6577C	CHRYSLER - (1989-84) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)	HA6816	FORD, IHC - (1987-83) 6.9L/421 V8 OHV Diesel (IHC eng.)
HA6578	CHRYSLER - (1988-87) 2.0L/1997cc L4 SOHC (Mitsubishi eng.)	HA6817	FORD, IHC - (1994-87) 7.3L/445 V8 OHV Diesel (IHC eng.)
HA6578C	CHRYSLER - (1988-87) 2.0L/1997cc L4 SOHC (Mitsubishi eng.)	HA6818	FORD - (1994-93) 7.3L/445 V8 OHV Diesel (IHC eng.)
HA6579	CHRYSLER - (1989-85) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)	HA6819	FORD - (1995-94) 7.3L/445 V8 OHV Diesel (IHC eng.)
HA6579C	CHRYSLER - (1989-85) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)	HA6820	FORD - (2000-95) 7.3L/445 V8 OHV Diesel (IHC eng.)
HA6580	CHRYSLER - (1988-85) 2.6L/2555cc L4 SOHC (Mitsubishi eng.)	HA6821	IHC - (1984-62) 6.4L/392 V8 OHV (IHC eng.)
		HA6822	IHC - (1984-62) 6.4L/392 V8 OHV (IHC eng.)
		HA6823	IHC - (1984-75) 7.3L/446 V8 OHV (IHC eng.)
		HA6824	IHC - (1984-75) 7.3L/446 V8 OHV (IHC eng.)
		HA6825	IHC - (1978-56) 9.0L/549 V8 OHV (IHC eng.)
		HA6900	RENAULT - (1987-83) 1.4L/85 L4 OHV (Renault eng.)
		HA6901	RENAULT - (1987-85) 1.7L/105 L4 SOHC (Renault eng.)
		HA6901C	RENAULT - (1987-85) 1.7L/105 L4 SOHC (Renault eng.)
		HA7000	TOYOTA - (1984-80) 1.3L/1290cc L4 SOHC (Toyota eng.)
		HA7000C	TOYOTA - (1984-80) 1.3L/1290cc L4 SOHC (Toyota eng.)
		HA7001	TOYOTA - (1991-90) 1.5L/1456cc L4 SOHC (Toyota eng.)
		HA7001C	TOYOTA - (1991-90) 1.5L/1456cc L4 SOHC (Toyota eng.)
		HA7002	TOYOTA - (1987-79) 1.5L/1452cc L4 SOHC (Toyota eng.)
		HA7002C	TOYOTA - (1987-79) 1.5L/1452cc L4 SOHC (Toyota eng.)
		HA7003	TOYOTA - (1990-87) 1.5L/1456cc L4 SOHC (Toyota eng.)
		HA7003C	TOYOTA - (1990-87) 1.5L/1456cc L4 SOHC (Toyota eng.)
		HA7004	TOYOTA - (1994-91) 1.5L/1456cc L4 SOHC (Toyota eng.)
		HA7004C	TOYOTA - (1994-91) 1.5L/1456cc L4 SOHC (Toyota eng.)
		HA7005	TOYOTA - (1988-84) 1.5L/1468cc L4 OHV (Toyota eng.)
		HA7006	TOYOTA - (1994-92) 1.5L/1471cc L4 DOHC (Toyota eng.)
		HA7006C	TOYOTA - (1994-92) 1.5L/1471cc L4 DOHC (Toyota eng.)
		HA7007	TOYOTA - (1985-83) 1.6L/1587cc L4 SOHC (Toyota eng.)

# Numerical Listing

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Part No.	Applications
<b>ENGINE</b>	
HA7007C	TOYOTA - (1985-83) 1.6L/1587cc L4 SOHC (Toyota eng.)
HA7008	GM, TOYOTA - (1988-85) 1.6L/1587cc L4 SOHC (Toyota eng.)
HA7008C	GM, TOYOTA - (1988-85) 1.6L/1587cc L4 SOHC (Toyota eng.)
HA7009	TOYOTA - (1978-74) 2.2L/2189cc L4 SOHC (Toyota eng.)
HA7009C	TOYOTA - (1978-74) 2.2L/2189cc L4 SOHC (Toyota eng.)
HA7010	TOYOTA - (1999-95) 1.5L/1471cc L4 DOHC (Toyota eng.)
HA7010C	TOYOTA - (1999-95) 1.5L/1471cc L4 DOHC (Toyota eng.)
HA7011	TOYOTA - (1980-78) 2.2L/2189cc L4 SOHC (Toyota eng.)
HA7011C	TOYOTA - (1980-78) 2.2L/2189cc L4 SOHC (Toyota eng.)
HA7012	TOYOTA - (1982-80) 2.4L/2366cc L4 SOHC (Toyota eng.)
HA7012C	TOYOTA - (1982-80) 2.4L/2366cc L4 SOHC (Toyota eng.)
HA7013	TOYOTA - (1984-82) 2.4L/2366cc L4 SOHC (Toyota eng.)
HA7013C	TOYOTA - (1984-82) 2.4L/2366cc L4 SOHC (Toyota eng.)
HA7014	TOYOTA - (1995-85) 2.4L/2366cc L4 SOHC (Toyota eng.)
HA7014C	TOYOTA - (1995-85) 2.4L/2366cc L4 SOHC (Toyota eng.)
HA7015	TOYOTA - (1988-85) 2.4L/2366cc L4 SOHC (Toyota eng.)
HA7015C	TOYOTA - (1988-85) 2.4L/2366cc L4 SOHC (Toyota eng.)
HA7016	TOYOTA - (1985-84) 2.0L/1998cc L4 OHV (Toyota eng.)
HA7017	TOYOTA - (1990-86) 2.2L/2237cc L4 OHV (Toyota eng.)
HA7018	TOYOTA - (1986-83) 2.0L/1995cc L4 SOHC (Toyota eng.)
HA7018C	TOYOTA - (1986-83) 2.0L/1995cc L4 SOHC (Toyota eng.)
HA7019	TOYOTA - (1989-88) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7019C	TOYOTA - (1989-88) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7020	TOYOTA - (1989-85) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7020C	TOYOTA - (1989-85) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7021	TOYOTA - (1999-98) 1.8L/1794cc L4 DOHC (Toyota eng.)
HA7021C	TOYOTA - (1999-98) 1.8L/1794cc L4 DOHC (Toyota eng.)
HA7022	GEO, GM, TOYOTA - (1997-88) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7022C	GEO, GM, TOYOTA - (1997-88) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7023	TOYOTA - (1989-88) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7023C	TOYOTA - (1989-88) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7024	TOYOTA - (1989-88) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7024C	TOYOTA - (1989-88) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7025	TOYOTA - (2000) 1.8L/1794cc L4 DOHC (Toyota eng.)
HA7025C	TOYOTA - (2000) 1.8L/1794cc L4 DOHC (Toyota eng.)
HA7026	GEO, TOYOTA - (1992-88) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7026C	GEO, TOYOTA - (1992-88) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7027	TOYOTA - (1992-88) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7027C	TOYOTA - (1992-88) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7028	TOYOTA - (1997-96) 2.0L/1998cc L4 DOHC (Toyota eng.)
HA7028C	TOYOTA - (1997-96) 2.0L/1998cc L4 DOHC (Toyota eng.)
HA7029	TOYOTA - (1979-73) 1.6L/1588cc, (1982-80) 1.8L/1770cc L4 OHV (Toyota eng.)
HA7030	TOYOTA - (2000-98) 2.0L/1998cc L4 DOHC (Toyota eng.)
HA7030C	TOYOTA - (2000-98) 2.0L/1998cc L4 DOHC (Toyota eng.)
HA7031	TOYOTA - (2000-98) 2.0L/1998cc L4 DOHC (Toyota eng.)
HA7031C	TOYOTA - (2000-98) 2.0L/1998cc L4 DOHC (Toyota eng.)
HA7032	TOYOTA - (1991-87) 2.0L/1998cc L4 DOHC (Toyota eng.)
HA7032C	TOYOTA - (1991-87) 2.0L/1998cc L4 DOHC (Toyota eng.)
HA7033	TOYOTA - (1995-90) 2.0L/1998cc L4 DOHC (Toyota eng.)
HA7033C	TOYOTA - (1995-90) 2.0L/1998cc L4 DOHC (Toyota eng.)
HA7034	TOYOTA - (1989-88) 2.0L/1998cc L4 DOHC (Toyota eng.)
HA7034C	TOYOTA - (1989-88) 2.0L/1998cc L4 DOHC (Toyota eng.)
HA7035	TOYOTA - (1989-88) 2.0L/1998cc L4 DOHC (Toyota eng.)
HA7035C	TOYOTA - (1989-88) 2.0L/1998cc L4 DOHC (Toyota eng.)

Part No.	Applications
<b>ENGINES</b> -Continued	
HA7036	TOYOTA - (1988-86) 2.0L/1998cc L4 DOHC (Toyota eng.)
HA7036C	TOYOTA - (1988-86) 2.0L/1998cc L4 DOHC (Toyota eng.)
HA7037	TOYOTA - (1999-90) 2.2L/2164cc L4 DOHC (Toyota eng.)
HA7037C	TOYOTA - (1999-90) 2.2L/2164cc L4 DOHC (Toyota eng.)
HA7038	TOYOTA - (1997-91) 2.4L/2438cc L4 DOHC (Toyota eng.)
HA7038C	TOYOTA - (1997-91) 2.4L/2438cc L4 DOHC (Toyota eng.)
HA7039	TOYOTA - (1999-90) 2.2L/2164cc L4 DOHC (Toyota eng.)
HA7039C	TOYOTA - (1999-90) 2.2L/2164cc L4 DOHC (Toyota eng.)
HA7040	TOYOTA - (1997-95) 2.4L/2438cc L4 DOHC (Toyota eng.)
HA7040C	TOYOTA - (1997-95) 2.4L/2438cc L4 DOHC (Toyota eng.)
HA7041	GEO, TOYOTA - (1997-92) 1.8L/1762cc L4 DOHC (Toyota eng.)
HA7041C	GEO, TOYOTA - (1997-92) 1.8L/1762cc L4 DOHC (Toyota eng.)
HA7042	TOYOTA - (1997-93) 1.8L/1762cc L4 DOHC (Toyota eng.)
HA7042C	TOYOTA - (1997-93) 1.8L/1762cc L4 DOHC (Toyota eng.)
HA7043	TOYOTA - (2000-96) 2.2L/2164cc L4 DOHC (Toyota eng.)
HA7043C	TOYOTA - (2000-96) 2.2L/2164cc L4 DOHC (Toyota eng.)
HA7044	TOYOTA - (2000-96) 2.2L/2164cc L4 DOHC (Toyota eng.)
HA7044C	TOYOTA - (2000-96) 2.2L/2164cc L4 DOHC (Toyota eng.)
HA7045	TOYOTA - (1997-95) 2.4L/2438cc L4 DOHC (Toyota eng.)
HA7045C	TOYOTA - (1997-95) 2.4L/2438cc L4 DOHC (Toyota eng.)
HA7046	TOYOTA - (2000-97) 2.4L/2438cc L4 DOHC (Toyota eng.)
HA7046C	TOYOTA - (2000-97) 2.4L/2438cc L4 DOHC (Toyota eng.)
HA7047	TOYOTA - (1997-93) 2.7L/2693cc L4 DOHC (Toyota eng.)
HA7047C	TOYOTA - (1997-93) 2.7L/2693cc L4 DOHC (Toyota eng.)
HA7048	TOYOTA - (2000-96) 2.7L/2693cc L4 DOHC (Toyota eng.)
HA7048C	TOYOTA - (2000-96) 2.7L/2693cc L4 DOHC (Toyota eng.)
HA7049	TOYOTA - (1980-77) 2.6L/2563cc L6 SOHC (Toyota eng.)
HA7049C	TOYOTA - (1980-77) 2.6L/2563cc L6 SOHC (Toyota eng.)
HA7050	TOYOTA - (1993-86) 3.0L/2954cc L6 DOHC (Toyota eng.)
HA7050C	TOYOTA - (1993-86) 3.0L/2954cc L6 DOHC (Toyota eng.)
HA7051	TOYOTA - (1988-81) 2.8L/2759cc L6 DOHC (Toyota eng.)
HA7051C	TOYOTA - (1988-81) 2.8L/2759cc L6 DOHC (Toyota eng.)
HA7052L	TOYOTA - (1992-88) 3.0L/2958cc V6 SOHC (Toyota eng.)
HA7052LC	TOYOTA - (1992-88) 3.0L/2958cc V6 SOHC (Toyota eng.)
HA7053R	TOYOTA - (1995-88) 3.0L/2958cc V6 SOHC (Toyota eng.)
HA7053RC	TOYOTA - (1995-88) 3.0L/2958cc V6 SOHC (Toyota eng.)
HA7054L	TOYOTA - (1995-92) 3.0L/2958cc V6 SOHC (Toyota eng.)
HA7054LC	TOYOTA - (1995-92) 3.0L/2958cc V6 SOHC (Toyota eng.)
HA7055L	LEXUS, TOYOTA - (1993-92) 3.0L/2958cc V6 DOHC (Toyota eng.)
HA7055LC	LEXUS, TOYOTA - (1993-92) 3.0L/2958cc V6 DOHC (Toyota eng.)
HA7056R	LEXUS, TOYOTA - (1993-92) 3.0L/2958cc V6 DOHC (Toyota eng.)
HA7056RC	LEXUS, TOYOTA - (1993-92) 3.0L/2958cc V6 DOHC (Toyota eng.)
HA7057	TOYOTA - (1980-75) 4.2L/4230cc L6 OHV (Toyota eng.)
HA7058	TOYOTA - (1987-81) 4.2L/4230cc L6 OHV (Toyota eng.)
HA7059	TOYOTA - (1992-88) 4.0L/3955cc L6 OHV (Toyota eng.)
HA7060	TOYOTA - (1982-80) 2.8L/2759cc L6 SOHC (Toyota eng.)
HA7060C	TOYOTA - (1982-80) 2.8L/2759cc L6 SOHC (Toyota eng.)
HA7061L	LEXUS, TOYOTA - (1991-88) 2.5L/2507cc V6 DOHC (Toyota eng.)
HA7061LC	LEXUS, TOYOTA - (1991-88) 2.5L/2507cc V6 DOHC (Toyota eng.)
HA7062R	LEXUS, TOYOTA - (1991-88) 2.5L/2507cc V6 DOHC (Toyota eng.)
HA7062RC	LEXUS, TOYOTA - (1991-88) 2.5L/2507cc V6 DOHC (Toyota eng.)



# Numerical Listing

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Part No.	Applications
<b>ENGINE</b>	
HA7063	TOYOTA - (1976-71) 2.6L/2563cc L6 SOHC (Toyota eng.)
HA7063C	TOYOTA - (1976-71) 2.6L/2563cc L6 SOHC (Toyota eng.)
HA7064L	LEXUS - (1998-94) 3.0L/2995cc V6 DOHC (Toyota eng.)
HA7064LC	LEXUS - (1998-94) 3.0L/2995cc V6 DOHC (Toyota eng.)
HA7065R	LEXUS - (1998-94) 3.0L/2995cc V6 DOHC (Toyota eng.)
HA7065RC	LEXUS - (1998-94) 3.0L/2995cc V6 DOHC (Toyota eng.)
HA7066	LEXUS, TOYOTA - (1998-92) 3.0L/2997cc L6 DOHC (Toyota eng.)
HA7066C	LEXUS, TOYOTA - (1998-92) 3.0L/2997cc L6 DOHC (Toyota eng.)
HA7067	TOYOTA - (1999-94) 3.0L/2997cc L6 DOHC (Toyota eng.)
HA7067C	TOYOTA - (1999-94) 3.0L/2997cc L6 DOHC (Toyota eng.)
HA7068	LEXUS, TOYOTA - (1999-98) 3.0L/2997cc L6 DOHC (Toyota eng.)
HA7068C	LEXUS, TOYOTA - (1999-98) 3.0L/2997cc L6 DOHC (Toyota eng.)
HA7069L	TOYOTA - (2004-95) 3.4L/3378cc V6 DOHC (Toyota eng.)
HA7069LC	TOYOTA - (2004-95) 3.4L/3378cc V6 DOHC (Toyota eng.)
HA7070R	TOYOTA - (2004-95) 3.4L/3378cc V6 DOHC (Toyota eng.)
HA7070RC	TOYOTA - (2004-95) 3.4L/3378cc V6 DOHC (Toyota eng.)
HA7071	LEXUS, TOYOTA - (1998-93) 4.5L/4477cc L6 DOHC (Toyota eng.)
HA7071C	LEXUS, TOYOTA - (1998-93) 4.5L/4477cc L6 DOHC (Toyota eng.)
HA7072L	LEXUS, TOYOTA - (2004-99) 3.0L/2995cc V6 DOHC (Toyota eng.)
HA7072LC	LEXUS, TOYOTA - (2004-99) 3.0L/2995cc V6 DOHC (Toyota eng.)
HA7073R	LEXUS, TOYOTA - (2004-99) 3.0L/2995cc V6 DOHC (Toyota eng.)
HA7073RC	LEXUS, TOYOTA - (2004-99) 3.0L/2995cc V6 DOHC (Toyota eng.)
HA7074L	LEXUS - (1999-90) 4.0L/3968cc V8 DOHC (Toyota eng.)
HA7074LC	LEXUS - (1999-90) 4.0L/3968cc V8 DOHC (Toyota eng.)
HA7075R	LEXUS - (1999-90) 4.0L/3968cc V8 DOHC (Toyota eng.)
HA7075RC	LEXUS - (1999-90) 4.0L/3968cc V8 DOHC (Toyota eng.)
HA7076L	TOYOTA - (2002-99) 4.7L/4664cc V8 DOHC (Toyota eng.)
HA7076LC	TOYOTA - (2002-99) 4.7L/4664cc V8 DOHC (Toyota eng.)
HA7077R	TOYOTA - (2002-99) 4.7L/4664cc V8 DOHC (Toyota eng.)
HA7077RC	TOYOTA - (2002-99) 4.7L/4664cc V8 DOHC (Toyota eng.)
HA7078	TOYOTA - (1980-77) 2.6L/2563cc L6 SOHC (Toyota eng.)
HA7078C	TOYOTA - (1980-77) 2.6L/2563cc L6 SOHC (Toyota eng.)
HA7079	TOYOTA - (1993-86) 3.0L/2954cc L6 DOHC (Toyota eng.)
HA7079C	TOYOTA - (1993-86) 3.0L/2954cc L6 DOHC (Toyota eng.)
HA7080	TOYOTA - (1997-93) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7080C	TOYOTA - (1997-93) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7081	TOYOTA - (1997-93) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7081C	TOYOTA - (1997-93) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7082	GEO - (1997-93) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7082C	GEO - (1997-93) 1.6L/1587cc L4 DOHC (Toyota eng.)
HA7083L	TOYOTA - (1998-94) 3.0L/2995cc V6 DOHC (Toyota eng.)
HA7083LC	TOYOTA - (1998-94) 3.0L/2995cc V6 DOHC (Toyota eng.)
HA7084R	TOYOTA - (1998-94) 3.0L/2995cc V6 DOHC (Toyota eng.)
HA7084RC	TOYOTA - (1998-94) 3.0L/2995cc V6 DOHC (Toyota eng.)
HA7500	CHRYSLER - (1983-78) 1.7L/1715cc L4 SOHC (VW eng.)
HA7500C	CHRYSLER - (1983-78) 1.7L/1715cc L4 SOHC (VW eng.)
HA7501	VW - (1991-88) 1.8L/1780cc L4 OHC (VW eng.)
HA7501C	VW - (1991-88) 1.8L/1780cc L4 OHC (VW eng.)
HA7502	VW - (1978-75) 2.0L/1970cc L4 OHV (VW eng.)
HA7503	VW - (1983-80) 2.0L/1970cc L4 OHV (VW eng.)
HA8000	HONDA - (1979-76) 1.5L/1488cc L4 SOHC (Honda eng.)

Part No.	Applications
<b>ENGINES</b> -Continued	
HA8000C	HONDA - (1979-76) 1.5L/1488cc L4 SOHC (Honda eng.)
HA8001	HONDA - (1987-84) 1.5L/1488cc L4 SOHC (Honda eng.)
HA8001C	HONDA - (1987-84) 1.5L/1488cc L4 SOHC (Honda eng.)
HA8002	HONDA - (1983-80) 1.5L/1488cc L4 SOHC (Honda eng.)
HA8002C	HONDA - (1983-80) 1.5L/1488cc L4 SOHC (Honda eng.)
HA8003	HONDA - (1987-84) 1.3L/1342cc L4 SOHC (Honda eng.)
HA8003C	HONDA - (1987-84) 1.3L/1342cc L4 SOHC (Honda eng.)
HA8004	HONDA - (1979-74) 1.2L/1237cc L4 SOHC (Honda eng.)
HA8004C	HONDA - (1979-74) 1.2L/1237cc L4 SOHC (Honda eng.)
HA8005	HONDA - (1981-80) 1.3L/1335cc L4 SOHC (Honda eng.)
HA8005C	HONDA - (1981-80) 1.3L/1335cc L4 SOHC (Honda eng.)
HA8006	HONDA - (1983-82) 1.3L/1335cc L4 SOHC (Honda eng.)
HA8006C	HONDA - (1983-82) 1.3L/1335cc L4 SOHC (Honda eng.)
HA8007	HONDA - (1981-80) 1.8L/1751cc L4 SOHC (Honda eng.)
HA8007C	HONDA - (1981-80) 1.8L/1751cc L4 SOHC (Honda eng.)
HA8008	HONDA - (1983-82) 1.8L/1751cc L4 SOHC (Honda eng.)
HA8008C	HONDA - (1983-82) 1.8L/1751cc L4 SOHC (Honda eng.)
HA8009	HONDA - (1987-85) 1.5L/1488cc L4 SOHC (Honda eng.)
HA8009C	HONDA - (1987-85) 1.5L/1488cc L4 SOHC (Honda eng.)
HA8010	HONDA - (1995-88) 1.5L/1493cc L4 SOHC (Honda eng.)
HA8010C	HONDA - (1995-88) 1.5L/1493cc L4 SOHC (Honda eng.)
HA8011	HONDA - (1995-88) 1.5L/1493cc L4 SOHC (Honda eng.)
HA8011C	HONDA - (1995-88) 1.5L/1493cc L4 SOHC (Honda eng.)
HA8012	ACURA - (1987-86) 1.6L/1590cc L4 DOHC (Honda eng.)
HA8012C	ACURA - (1987-86) 1.6L/1590cc L4 DOHC (Honda eng.)
HA8013	HONDA - (1991-88) 1.6L/1590cc L4 SOHC (Honda eng.)
HA8013C	HONDA - (1991-88) 1.6L/1590cc L4 SOHC (Honda eng.)
HA8014	HONDA - (1980-79) 1.8L/1751cc L4 SOHC (Honda eng.)
HA8014C	HONDA - (1980-79) 1.8L/1751cc L4 SOHC (Honda eng.)
HA8015	HONDA - (1983) 1.8L/1829cc L4 SOHC (Honda eng.)
HA8015C	HONDA - (1983) 1.8L/1829cc L4 SOHC (Honda eng.)
HA8016	HONDA - (1985-84) 1.8L/1829cc L4 SOHC (Honda eng.)
HA8016C	HONDA - (1985-84) 1.8L/1829cc L4 SOHC (Honda eng.)
HA8017	HONDA - (1985) 1.8L/1829cc L4 SOHC (Honda eng.)
HA8017C	HONDA - (1985) 1.8L/1829cc L4 SOHC (Honda eng.)
HA8018	HONDA - (1987-84) 1.8L/1829cc L4 SOHC (Honda eng.)
HA8018C	HONDA - (1987-84) 1.8L/1829cc L4 SOHC (Honda eng.)
HA8019	ACURA - (2000-94) 1.8L/1834cc L4 DOHC (Honda eng.)
HA8019C	ACURA - (2000-94) 1.8L/1834cc L4 DOHC (Honda eng.)
HA8020	HONDA - (1989-85) 2.0L/1955cc L4 SOHC (Honda eng.)
HA8020C	HONDA - (1989-85) 2.0L/1955cc L4 SOHC (Honda eng.)
HA8021	HONDA - (1989-85) 2.0L/1955cc L4 SOHC (Honda eng.)
HA8021C	HONDA - (1989-85) 2.0L/1955cc L4 SOHC (Honda eng.)
HA8022	HONDA - (1991-88) 2.0L/1958cc L4 SOHC (Honda eng.)
HA8022C	HONDA - (1991-88) 2.0L/1958cc L4 SOHC (Honda eng.)
HA8023	HONDA - (1991-88) 2.0L/1958cc L4 DOHC (Honda eng.)
HA8023C	HONDA - (1991-88) 2.0L/1958cc L4 DOHC (Honda eng.)
HA8024	HONDA - (1991-90) 2.1L/2156cc L4 SOHC (Honda eng.)
HA8024C	HONDA - (1991-90) 2.1L/2156cc L4 SOHC (Honda eng.)
HA8025	HONDA - (1991-90) 2.1 L/2056cc L4 DOHC (Honda eng.)
HA8025C	HONDA - (1991-90) 2.1 L/2056cc L4 DOHC (Honda eng.)
HA8026	HONDA - (1987-84) 1.8L/1829cc L4 SOHC (Honda eng.)
HA8026C	HONDA - (1987-84) 1.8L/1829cc L4 SOHC (Honda eng.)
HA8027	ACURA - (1993-90) 1.8L/1834cc L4 DOHC (Honda eng.)
HA8027C	ACURA - (1993-90) 1.8L/1834cc L4 DOHC (Honda eng.)
HA8028	ACURA - (1993-92) 1.7L/1678cc L4 DOHC (Honda eng.)
HA8028C	ACURA - (1993-92) 1.7L/1678cc L4 DOHC (Honda eng.)
HA8029	ACURA - (2001-94) 1.8L/1797cc L4 DOHC (Honda eng.)
HA8029C	ACURA - (2001-94) 1.8L/1797cc L4 DOHC (Honda eng.)
HA8030	ACURA, HONDA, ISUZU - (1997-94) 2.2L/2156cc L4 SOHC (Honda eng.)

# Numerical Listing

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Part No.	Applications
<b>ENGINE</b>	
HA8030C	ACURA, HONDA, ISUZU - (1997-94) 2.2L/2156cc L4 SOHC (Honda eng.)
HA8031	HONDA - (1997-94) 2.1L/2156cc L4 SOHC (Honda eng.)
HA8031C	HONDA - (1997-94) 2.1L/2156cc L4 SOHC (Honda eng.)
HA8032	HONDA - (1995-92) 1.5L/1493cc L4 SOHC (Honda eng.)
HA8032C	HONDA - (1995-92) 1.5L/1493cc L4 SOHC (Honda eng.)
HA8033	HONDA - (1995-92) 1.6L/1590cc L4 SOHC (Honda eng.)
HA8033C	HONDA - (1995-92) 1.6L/1590cc L4 SOHC (Honda eng.)
HA8034	HONDA - (1995-94) 1.6L/1595cc L4 DOHC (Honda eng.)
HA8034C	HONDA - (1995-94) 1.6L/1595cc L4 DOHC (Honda eng.)
HA8035	HONDA - (1996-93) 2.2L/2162cc L4 DOHC (Honda eng.)
HA8035C	HONDA - (1996-93) 2.2L/2162cc L4 DOHC (Honda eng.)
HA8036	HONDA - (1996-92) 2.3L/2259cc L4 DOHC (Honda eng.)
HA8036C	HONDA - (1996-92) 2.3L/2259cc L4 DOHC (Honda eng.)
HA8037	HONDA - (2000-96) 1.6L/1590cc L4 SOHC (Honda eng.)
HA8037C	HONDA - (2000-96) 1.6L/1590cc L4 SOHC (Honda eng.)
HA8038	HONDA - (2000-96) 1.6L/1590cc L4 SOHC (Honda eng.)
HA8038C	HONDA - (2000-96) 1.6L/1590cc L4 SOHC (Honda eng.)
HA8039	ACURA - (1989-88) 1.6L/1590cc L4 DOHC (Honda eng.)
HA8039C	ACURA - (1989-88) 1.6L/1590cc L4 DOHC (Honda eng.)
HA8040	HONDA - (2000-96) 1.6L/1590cc L4 SOHC (Honda eng.)
HA8040C	HONDA - (2000-96) 1.6L/1590cc L4 SOHC (Honda eng.)
HA8041	HONDA - (2000-96) 1.6L/1595cc L4 DOHC (Honda eng.)
HA8041C	HONDA - (2000-96) 1.6L/1595cc L4 DOHC (Honda eng.)
HA8042	HONDA - (1999-97) 2.0L/1972cc L4 DOHC (Honda eng.)
HA8042C	HONDA - (1999-97) 2.0L/1972cc L4 DOHC (Honda eng.)
HA8043	HONDA - (2000-97) 2.2L/2162cc L4 DOHC (Honda eng.)
HA8043C	HONDA - (2000-97) 2.2L/2162cc L4 DOHC (Honda eng.)
HA8044	ACURA, HONDA, ISUZU - (2000-98) 2.3L/2254cc L4 SOHC (Honda eng.)
HA8044C	ACURA, HONDA, ISUZU - (2000-98) 2.3L/2254cc L4 SOHC (Honda eng.)
HA8045	ACURA - (1994-91) 2.5L/2451cc L5 SOHC (Honda eng.)
HA8045C	ACURA - (1994-91) 2.5L/2451cc L5 SOHC (Honda eng.)
HA8046	ACURA - (1998-95) 2.5L/2451cc L5 SOHC (Honda eng.)
HA8046C	ACURA - (1998-95) 2.5L/2451cc L5 SOHC (Honda eng.)
HA8047L	ACURA - (1988-86) 2.5L/2494cc V6 SOHC (Honda eng.)
HA8047LC	ACURA - (1988-86) 2.5L/2494cc V6 SOHC (Honda eng.)
HA8048R	ACURA - (1988-86) 2.5L/2494cc V6 SOHC (Honda eng.)
HA8048RC	ACURA - (1988-86) 2.5L/2494cc V6 SOHC (Honda eng.)
HA8049L	ACURA - (1990-87) 2.7L/2675cc V6 SOHC (Honda eng.)
HA8049LC	ACURA - (1990-87) 2.7L/2675cc V6 SOHC (Honda eng.)
HA8050R	ACURA - (1990-87) 2.7L/2675cc V6 SOHC (Honda eng.)
HA8050RC	ACURA - (1990-87) 2.7L/2675cc V6 SOHC (Honda eng.)
HA8051L	ACURA - (1995-91) 3.2L/3206cc V6 SOHC (Honda eng.)
HA8051LC	ACURA - (1995-91) 3.2L/3206cc V6 SOHC (Honda eng.)
HA8052R	ACURA - (1995-91) 3.2L/3206cc V6 SOHC (Honda eng.)
HA8052RC	ACURA - (1995-91) 3.2L/3206cc V6 SOHC (Honda eng.)
HA8053L	ACURA - (1995-93) 3.2L/3206cc V6 SOHC (Honda eng.)
HA8053LC	ACURA - (1995-93) 3.2L/3206cc V6 SOHC (Honda eng.)
HA8054R	ACURA - (1995-93) 3.2L/3206cc V6 SOHC (Honda eng.)
HA8054RC	ACURA - (1995-93) 3.2L/3206cc V6 SOHC (Honda eng.)
HA8055L	ACURA - (2000-91) 3.0L/2977cc V6 DOHC (Honda eng.)
HA8055LC	ACURA - (2000-91) 3.0L/2977cc V6 DOHC (Honda eng.)
HA8056R	ACURA - (2000-91) 3.0L/2977cc V6 DOHC (Honda eng.)
HA8056RC	ACURA - (2000-91) 3.0L/2977cc V6 DOHC (Honda eng.)
HA8057L	ACURA, HONDA - (2000-97) 3.0L/2998cc V6 SOHC (Honda eng.)
HA8057LC	ACURA, HONDA - (2000-97) 3.0L/2998cc V6 SOHC (Honda eng.)
HA8058R	ACURA, HONDA - (2000-97) 3.0L/2998cc V6 SOHC (Honda eng.)

Part No.	Applications
<b>ENGINES -Continued</b>	
HA8058RC	ACURA, HONDA - (2000-97) 3.0L/2998cc V6 SOHC (Honda eng.)
HA8059L	ACURA - (1998-97) 3.2L/3206cc V6 SOHC (Honda eng.)
HA8059LC	ACURA - (1998-97) 3.2L/3206cc V6 SOHC (Honda eng.)
HA8060R	ACURA - (1998-97) 3.2L/3206cc V6 SOHC (Honda eng.)
HA8060RC	ACURA - (1998-97) 3.2L/3206cc V6 SOHC (Honda eng.)
HA8061L	HONDA - (1997-95) 2.7L/2675cc V6 SOHC (Honda eng.)
HA8061LC	HONDA - (1997-95) 2.7L/2675cc V6 SOHC (Honda eng.)
HA8062R	HONDA - (1997-95) 2.7L/2675cc V6 SOHC (Honda eng.)
HA8062RC	HONDA - (1997-95) 2.7L/2675cc V6 SOHC (Honda eng.)
HA8063L	ACURA - (1999-97) 3.2L/3196cc V6 DOHC (Honda eng.)
HA8063LC	ACURA - (1999-97) 3.2L/3196cc V6 DOHC (Honda eng.)
HA8064R	ACURA - (1999-97) 3.2L/3196cc V6 DOHC (Honda eng.)
HA8064RC	ACURA - (1999-97) 3.2L/3196cc V6 DOHC (Honda eng.)
HA8065L	ACURA - (2000-96) 3.5L/3474cc V6 SOHC (Honda eng.)
HA8065LC	ACURA - (2000-96) 3.5L/3474cc V6 SOHC (Honda eng.)
HA8066R	ACURA - (2000-96) 3.5L/3474cc V6 SOHC (Honda eng.)
HA8066RC	ACURA - (2000-96) 3.5L/3474cc V6 SOHC (Honda eng.)
HA8067L	HONDA - (2000-99) 3.5L/3500cc V6 SOHC (Honda eng.)
HA8067LC	HONDA - (2000-99) 3.5L/3500cc V6 SOHC (Honda eng.)
HA8068R	HONDA - (2000-99) 3.5L/3500cc V6 SOHC (Honda eng.)
HA8068RC	HONDA - (2000-99) 3.5L/3500cc V6 SOHC (Honda eng.)
HA8069	HONDA - (1996-92) 2.1L/2156cc L4 SOHC (Honda eng.)
HA8069C	HONDA - (1996-92) 2.1L/2156cc L4 SOHC (Honda eng.)
HA8400	SUBARU - (1994-90) 1.2L/1189cc L3 SOHC (Subaru eng.)
HA8400C	SUBARU - (1994-90) 1.2L/1189cc L3 SOHC (Subaru eng.)
HA8401	SUBARU - (1992-87) 1.2L/1189cc L3 SOHC (Subaru eng.)
HA8401C	SUBARU - (1992-87) 1.2L/1189cc L3 SOHC (Subaru eng.)
HA8402R	SUBARU - (1990-83) 1.8L/1781cc H4 SOHC (Subaru eng.)
HA8402RC	SUBARU - (1990-83) 1.8L/1781cc H4 SOHC (Subaru eng.)
HA8403L	SUBARU - (1990-83) 1.8L/1781cc H4 SOHC (Subaru eng.)
HA8403LC	SUBARU - (1990-83) 1.8L/1781cc H4 SOHC (Subaru eng.)
HA8404R	SUBARU - (1994-85) 1.8L/1781cc H4 SOHC (Subaru eng.)
HA8404RC	SUBARU - (1994-85) 1.8L/1781cc H4 SOHC (Subaru eng.)
HA8405L	SUBARU - (1994-85) 1.8L/1781cc H4 SOHC (Subaru eng.)
HA8405LC	SUBARU - (1994-85) 1.8L/1781cc H4 SOHC (Subaru eng.)
HA8406L	SUBARU - (1994-85) 1.8L/1781cc H4 SOHC (Subaru eng.)
HA8406LC	SUBARU - (1994-85) 1.8L/1781cc H4 SOHC (Subaru eng.)
HA8407L	SUBARU - (1985-80) 1.8L/1781cc H4 OHV (Subaru eng.)
HA8408R	SUBARU - (1985-80) 1.8L/1781cc H4 OHV (Subaru eng.)
HA8409R	SUBARU - (1994-85) 1.8L/1781cc H4 SOHC (Subaru eng.)
HA8409RC	SUBARU - (1994-85) 1.8L/1781cc H4 SOHC (Subaru eng.)
HA8410L	SUBARU - (1987-85) 1.8L/1781cc H4 OHV (Subaru eng.)
HA8411R	SUBARU - (1987-85) 1.8L/1781cc H4 OHV (Subaru eng.)
HA8412L	SUBARU - (1985-80) 1.8L/1781cc H4 OHV (Subaru eng.)
HA8413R	SUBARU - (1985-80) 1.8L/1781cc H4 OHV (Subaru eng.)
HA8414L	SUBARU - (1985-80) 1.8L/1781cc H4 OHV (Subaru eng.)
HA8415R	SUBARU - (1985-80) 1.8L/1781cc H4 OHV (Subaru eng.)
HA8416L	SUBARU - (1985-80) 1.8L/1781cc H4 OHV (Subaru eng.)
HA8417R	SUBARU - (1985-80) 1.8L/1781cc H4 OHV (Subaru eng.)
HA8418R	SUBARU - (1987-79) 1.6L/1595cc H4 OHV (Subaru eng.)
HA8419L	SUBARU - (1987-79) 1.6L/1595cc H4 OHV (Subaru eng.)
HA8420R	SUBARU - (1987-79) 1.6L/1595cc H4 OHV (Subaru eng.)
HA8421L	SUBARU - (1987-79) 1.6L/1595cc H4 OHV (Subaru eng.)
HA8422R	SUBARU - (1979-76) 1.6L/1595cc H4 OHV (Subaru eng.)
HA8423L	SUBARU - (1979-76) 1.6L/1595cc H4 OHV (Subaru eng.)
HA8424L	SUBARU - (1997-93) 1.8L/1820cc H4 SOHC (Subaru eng.)
HA8424LC	SUBARU - (1997-93) 1.8L/1820cc H4 SOHC (Subaru eng.)
HA8425R	SUBARU - (1997-93) 1.8L/1820cc H4 SOHC (Subaru eng.)
HA8425RC	SUBARU - (1997-93) 1.8L/1820cc H4 SOHC (Subaru eng.)
HA8426R	SUBARU - (1991-88) 2.7L/2672cc H6 SOHC (Subaru eng.)

# Numerical Listing

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Part No.	Applications
<b>ENGINE</b>	
HA8426RC	SUBARU - (1991-88) 2.7L/2672cc H6 SOHC (Subaru eng.)
HA8427L	SUBARU - (1991-88) 2.7L/2672cc H6 SOHC (Subaru eng.)
HA8427LC	SUBARU - (1991-88) 2.7L/2672cc H6 SOHC (Subaru eng.)
HA8428L	SUBARU - (1995-90) 2.2L/2212cc H4 SOHC (Subaru eng.)
HA8428LC	SUBARU - (1995-90) 2.2L/2212cc H4 SOHC (Subaru eng.)
HA8429R	SUBARU - (1995-90) 2.2L/2212cc H4 SOHC (Subaru eng.)
HA8429RC	SUBARU - (1995-90) 2.2L/2212cc H4 SOHC (Subaru eng.)
HA8430L	SUBARU - (1996) 2.2L/2212cc H4 SOHC (Subaru eng.)
HA8430LC	SUBARU - (1996) 2.2L/2212cc H4 SOHC (Subaru eng.)
HA8431R	SUBARU - (1996) 2.2L/2212cc H4 SOHC (Subaru eng.)
HA8431RC	SUBARU - (1996) 2.2L/2212cc H4 SOHC (Subaru eng.)
HA8432L	SUBARU - (1999-97) 2.2L/2212cc H4 SOHC (Subaru eng.)
HA8432LC	SUBARU - (1999-97) 2.2L/2212cc H4 SOHC (Subaru eng.)
HA8433R	SUBARU - (1999-97) 2.2L/2212cc H4 SOHC (Subaru eng.)
HA8433RC	SUBARU - (1999-97) 2.2L/2212cc H4 SOHC (Subaru eng.)
HA8434L	SUBARU - (1999-96) 2.5L/2457cc H4 DOHC (Subaru eng.)
HA8434LC	SUBARU - (1999-96) 2.5L/2457cc H4 DOHC (Subaru eng.)
HA8435R	SUBARU - (1999-96) 2.5L/2457cc H4 DOHC (Subaru eng.)
HA8435RC	SUBARU - (1999-96) 2.5L/2457cc H4 DOHC (Subaru eng.)
HA8436L	SUBARU - (1994-92) 2.2L/2212cc H4 SOHC (Subaru eng.)
HA8436LC	SUBARU - (1994-92) 2.2L/2212cc H4 SOHC (Subaru eng.)
HA8437R	SUBARU - (1994-92) 2.2L/2212cc H4 SOHC (Subaru eng.)
HA8437RC	SUBARU - (1994-92) 2.2L/2212cc H4 SOHC (Subaru eng.)
HA8438L	SUBARU - (1997-91) 3.3L/3318cc H6 DOHC (Subaru eng.)
HA8438LC	SUBARU - (1997-91) 3.3L/3318cc H6 DOHC (Subaru eng.)
HA8439R	SUBARU - (1997-91) 3.3L/3318cc H6 DOHC (Subaru eng.)
HA8439RC	SUBARU - (1997-91) 3.3L/3318cc H6 DOHC (Subaru eng.)
HA8500	NISSAN - (1980-77) 2.0L/1952cc L4 SOHC (Nissan eng.)
HA8500C	NISSAN - (1980-77) 2.0L/1952cc L4 SOHC (Nissan eng.)
HA8501	NISSAN - (1988-87) 1.6L/1597cc L4 DOHC (Nissan eng.)
HA8501C	NISSAN - (1988-87) 1.6L/1597cc L4 DOHC (Nissan eng.)
HA8502	NISSAN - (1985-79) 2.0L/1952cc L4 SOHC (Nissan eng.)
HA8502C	NISSAN - (1985-79) 2.0L/1952cc L4 SOHC (Nissan eng.)
HA8503	NISSAN - (1984-81) 1.5L/1488cc L4 SOHC (Nissan eng.)
HA8503C	NISSAN - (1984-81) 1.5L/1488cc L4 SOHC (Nissan eng.)
HA8504	NISSAN - (1983-82) 2.0L/1974cc L4 SOHC (Nissan eng.)
HA8504C	NISSAN - (1983-82) 2.0L/1974cc L4 SOHC (Nissan eng.)
HA8505	NISSAN - (1984-83) 1.5L/1488cc L4 SOHC (Nissan eng.)
HA8505C	NISSAN - (1984-83) 1.5L/1488cc L4 SOHC (Nissan eng.)
HA8506	NISSAN - (1988-84) 2.0L/1974cc L4 SOHC (Nissan eng.)
HA8506C	NISSAN - (1988-84) 2.0L/1974cc L4 SOHC (Nissan eng.)
HA8507	NISSAN - (1988-84) 1.8L/1809cc L4 SOHC (Nissan eng.)
HA8507C	NISSAN - (1988-84) 1.8L/1809cc L4 SOHC (Nissan eng.)
HA8508	NISSAN - (1983-81) 2.2L/2187cc L4 SOHC (Nissan eng.)
HA8508C	NISSAN - (1983-81) 2.2L/2187cc L4 SOHC (Nissan eng.)
HA8509	NISSAN - (1990-87) 1.8L/1809cc L4 DOHC (Nissan eng.)
HA8509C	NISSAN - (1990-87) 1.8L/1809cc L4 DOHC (Nissan eng.)
HA8510	NISSAN - (1983-81) 2.2L/2187cc L4 SOHC (Nissan eng.)
HA8510C	NISSAN - (1983-81) 2.2L/2187cc L4 SOHC (Nissan eng.)
HA8511	NISSAN - (1980) 2.0L/1952cc L4 SOHC (Nissan eng.)
HA8511C	NISSAN - (1980) 2.0L/1952cc L4 SOHC (Nissan eng.)
HA8512	NISSAN - (1989-83) 2.4L/2389cc L4 SOHC (Nissan eng.)
HA8512C	NISSAN - (1989-83) 2.4L/2389cc L4 SOHC (Nissan eng.)
HA8513	NISSAN - (1989-82) 2.0L/1974cc L4 SOHC (Nissan eng.)
HA8513C	NISSAN - (1989-82) 2.0L/1974cc L4 SOHC (Nissan eng.)
HA8514	NISSAN - (1994-89) 2.4L/2389cc L4 SOHC (Nissan eng.)
HA8514C	NISSAN - (1994-89) 2.4L/2389cc L4 SOHC (Nissan eng.)
HA8515	NISSAN - (1993-89) 2.4L/2389cc L4 SOHC (Nissan eng.)
HA8515C	NISSAN - (1993-89) 2.4L/2389cc L4 SOHC (Nissan eng.)
HA8516	NISSAN - (1982-79) 1.5L/1488cc L4 OHV (Nissan eng.)
HA8517	NISSAN - (1994-91) 2.4L/2389cc L4 DOHC (Nissan eng.)

Part No. Applications

Part No.	Applications
<b>ENGINES -Continued</b>	
HA8517C	NISSAN - (1994-91) 2.4L/2389cc L4 DOHC (Nissan eng.)
HA8518	NISSAN - (1988-85) 1.6L/1597cc L4 SOHC (Nissan eng.)
HA8518C	NISSAN - (1988-85) 1.6L/1597cc L4 SOHC (Nissan eng.)
HA8519	NISSAN - (1986-83) 1.6L/1597cc L4 SOHC (Nissan eng.)
HA8519C	NISSAN - (1986-83) 1.6L/1597cc L4 SOHC (Nissan eng.)
HA8520	NISSAN - (1990-89) 1.6L/1597cc L4 SOHC (Nissan eng.)
HA8520C	NISSAN - (1990-89) 1.6L/1597cc L4 SOHC (Nissan eng.)
HA8521	NISSAN - (1994-91) 1.6L/1597cc L4 DOHC (Nissan eng.)
HA8521C	NISSAN - (1994-91) 1.6L/1597cc L4 DOHC (Nissan eng.)
HA8522	NISSAN - (1999-93) 2.4L/2389cc L4 DOHC (Nissan eng.)
HA8522C	NISSAN - (1999-93) 2.4L/2389cc L4 DOHC (Nissan eng.)
HA8523	INFINITI, NISSAN - (1993-91) 2.0L/1998cc L4 DOHC (Nissan eng.)
HA8523C	INFINITI, NISSAN - (1993-91) 2.0L/1998cc L4 DOHC (Nissan eng.)
HA8524	INFINITI, NISSAN - (1999-94) 2.0L/1998cc L4 DOHC (Nissan eng.)
HA8524C	INFINITI, NISSAN - (1999-94) 2.0L/1998cc L4 DOHC (Nissan eng.)
HA8525	NISSAN - (1999-95) 1.6L/1597cc L4 DOHC (Nissan eng.)
HA8525C	NISSAN - (1999-95) 1.6L/1597cc L4 DOHC (Nissan eng.)
HA8526	NISSAN - (1999-95) 2.4L/2389cc L4 DOHC (Nissan eng.)
HA8526C	NISSAN - (1999-95) 2.4L/2389cc L4 DOHC (Nissan eng.)
HA8527	NISSAN - (1997-93) 2.4L/2389cc L4 SOHC (Nissan eng.)
HA8527C	NISSAN - (1997-93) 2.4L/2389cc L4 SOHC (Nissan eng.)
HA8528	NISSAN - (1984-75) 2.4L/2393cc L6 SOHC (Nissan eng.)
HA8528C	NISSAN - (1984-75) 2.4L/2393cc L6 SOHC (Nissan eng.)
HA8529	NISSAN - (1978-74) 2.8L/2752cc L6 SOHC (Nissan eng.)
HA8529C	NISSAN - (1978-74) 2.8L/2752cc L6 SOHC (Nissan eng.)
HA8530	NISSAN - (1978-74) 2.8L/2752cc L6 SOHC (Nissan eng.)
HA8530C	NISSAN - (1978-74) 2.8L/2752cc L6 SOHC (Nissan eng.)
HA8531	NISSAN - (1981-78) 2.8L/2752cc L6 SOHC (Nissan eng.)
HA8531C	NISSAN - (1981-78) 2.8L/2752cc L6 SOHC (Nissan eng.)
HA8532	NISSAN - (1983-80) 2.8L/2752cc L6 SOHC (Nissan eng.)
HA8532C	NISSAN - (1983-80) 2.8L/2752cc L6 SOHC (Nissan eng.)
HA8533	NISSAN - (1983-81) 2.8L/2752cc L6 SOHC (Nissan eng.)
HA8533C	NISSAN - (1983-81) 2.8L/2752cc L6 SOHC (Nissan eng.)
HA8534	NISSAN - (1974) 2.6L/2565cc L6 SOHC (Nissan eng.)
HA8534C	NISSAN - (1974) 2.6L/2565cc L6 SOHC (Nissan eng.)
HA8535L	NISSAN - (1989-84) 3.0L/2960cc V6 SOHC (Nissan eng.)
HA8535LC	NISSAN - (1989-84) 3.0L/2960cc V6 SOHC (Nissan eng.)
HA8536R	NISSAN - (1989-84) 3.0L/2960cc V6 SOHC (Nissan eng.)
HA8536RC	NISSAN - (1989-84) 3.0L/2960cc V6 SOHC (Nissan eng.)
HA8537L	FORD, INFINITI, NISSAN - (1997-90) 3.0L/2960cc V6 SOHC (Nissan eng.)
HA8537LC	FORD, INFINITI, NISSAN - (1997-90) 3.0L/2960cc V6 SOHC (Nissan eng.)
HA8538R	FORD, INFINITI, NISSAN - (1997-90) 3.0L/2960cc V6 SOHC (Nissan eng.)
HA8538RC	FORD, INFINITI, NISSAN - (1997-90) 3.0L/2960cc V6 SOHC (Nissan eng.)
HA8539L	NISSAN - (1996-95) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8539LC	NISSAN - (1996-95) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8540R	NISSAN - (1996-95) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8540RC	NISSAN - (1996-95) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8541L	NISSAN - (1994-92) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8541LC	NISSAN - (1994-92) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8542R	NISSAN - (1994-92) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8542RC	NISSAN - (1994-92) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8543L	NISSAN - (1992-90) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8543LC	NISSAN - (1992-90) 3.0L/2960cc V6 DOHC (Nissan eng.)

# Numerical Listing

-Continued

Part No.	Applications
<b>ENGINE</b>	
HA8544R	NISSAN - (1992-90) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8544RC	NISSAN - (1992-90) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8545L	INFINITI, NISSAN - (1997-93) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8545LC	INFINITI, NISSAN - (1997-93) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8546R	INFINITI, NISSAN - (1997-93) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8546RC	INFINITI, NISSAN - (1997-93) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8547L	INFINITI, NISSAN - (2000-96) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8547LC	INFINITI, NISSAN - (2000-96) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8548R	INFINITI, NISSAN - (2000-95) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8548RC	INFINITI, NISSAN - (2000-95) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8549L	NISSAN - (1999-95) 3.3L/3275cc V6 SOHC (Nissan eng.)
HA8549LC	NISSAN - (1999-95) 3.3L/3275cc V6 SOHC (Nissan eng.)
HA8550R	NISSAN - (1999-95) 3.3L/3275cc V6 SOHC (Nissan eng.)
HA8550RC	NISSAN - (1999-95) 3.3L/3275cc V6 SOHC (Nissan eng.)
HA8551L	INFINITI - (2000-97) 3.3L/3275cc V6 SOHC (Nissan eng.)
HA8551LC	INFINITI - (2000-97) 3.3L/3275cc V6 SOHC (Nissan eng.)
HA8552R	INFINITI - (2000-97) 3.3L/3275cc V6 SOHC (Nissan eng.)
HA8552RC	INFINITI - (2000-97) 3.3L/3275cc V6 SOHC (Nissan eng.)
HA8553L	FORD - (1998-97) 3.0L/2960cc V6 SOHC (Nissan eng.)
HA8553LC	FORD - (1998-97) 3.0L/2960cc V6 SOHC (Nissan eng.)
HA8554R	FORD - (1998-97) 3.0L/2960cc V6 SOHC (Nissan eng.)
HA8554RC	FORD - (1998-97) 3.0L/2960cc V6 SOHC (Nissan eng.)
HA8555L	NISSAN - (1994-90) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8555LC	NISSAN - (1994-90) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8556R	NISSAN - (1994-90) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8556RC	NISSAN - (1994-90) 3.0L/2960cc V6 DOHC (Nissan eng.)
HA8557L	INFINITI - (1993-90) 4.5L/4494cc V8 DOHC (Nissan eng.)
HA8557LC	INFINITI - (1993-90) 4.5L/4494cc V8 DOHC (Nissan eng.)
HA8558R	INFINITI - (1993-90) 4.5L/4494cc V8 DOHC (Nissan eng.)
HA8558RC	INFINITI - (1993-90) 4.5L/4494cc V8 DOHC (Nissan eng.)
HA8559L	INFINITI - (1996-94) 4.5L/4494cc V8 DOHC (Nissan eng.)
HA8559LC	INFINITI - (1996-94) 4.5L/4494cc V8 DOHC (Nissan eng.)
HA8560R	INFINITI - (1996-94) 4.5L/4494cc V8 DOHC (Nissan eng.)
HA8560RC	INFINITI - (1996-94) 4.5L/4494cc V8 DOHC (Nissan eng.)
HA8561L	INFINITI - (1999-97) 4.1L/4130cc V8 DOHC (Nissan eng.)
HA8561LC	INFINITI - (1999-97) 4.1L/4130cc V8 DOHC (Nissan eng.)
HA8562R	INFINITI - (1999-97) 4.1L/4130cc V8 DOHC (Nissan eng.)
HA8562RC	INFINITI - (1999-97) 4.1L/4130cc V8 DOHC (Nissan eng.)
HA8563	NISSAN - (1985-79) 2.0L/1952cc L4 SOHC (Nissan eng.)
HA8563C	NISSAN - (1985-79) 2.0L/1952cc L4 SOHC (Nissan eng.)
HA8564	NISSAN - (1983-82) 2.0L/1974cc L4 SOHC (Nissan eng.)
HA8564C	NISSAN - (1983-82) 2.0L/1974cc L4 SOHC (Nissan eng.)
HA8565	NISSAN - (1989-83) 2.4L/2389cc L4 SOHC (Nissan eng.)
HA8565C	NISSAN - (1989-83) 2.4L/2389cc L4 SOHC (Nissan eng.)
HA9000	GM - (1999-96) 2.4L/146 L4 DOHC (Oldsmobile eng.)
HA9000C	GM - (1999-96) 2.4L/146 L4 DOHC (Oldsmobile eng.)
HA9001	GM - (1999) 2.4L/146 L4 DOHC (Oldsmobile eng.)
HA9001C	GM - (1999) 2.4L/146 L4 DOHC (Oldsmobile eng.)
HA9002	GM - (1989-87) 2.3L/138 L4 DOHC (Oldsmobile eng.)
HA9002C	GM - (1989-87) 2.3L/138 L4 DOHC (Oldsmobile eng.)
HA9003	GM - (1993) 2.3L/138 L4 DOHC (Oldsmobile eng.)
HA9003C	GM - (1993) 2.3L/138 L4 DOHC (Oldsmobile eng.)
HA9004	GM - (1993-92) 2.3L/138 L4 SOHC (Oldsmobile eng.)

Part No.	Applications
<b>ENGINES -Continued</b>	
HA9004C	GM - (1993-92) 2.3L/138 L4 SOHC (Oldsmobile eng.)
HA9005	GM - (1994) 2.3L/138 L4 SOHC (Oldsmobile eng.)
HA9005C	GM - (1994) 2.3L/138 L4 SOHC (Oldsmobile eng.)
HA9006	GM - (1995-94) 2.3L/138 L4 DOHC (Oldsmobile eng.)
HA9006C	GM - (1995-94) 2.3L/138 L4 DOHC (Oldsmobile eng.)
HA9007	GM - (1985-82) 4.3L/260 V6 OHV Diesel (Oldsmobile eng.)
HA9008	GM - (1985-82) 4.3L/260 V6 OHV Diesel (Oldsmobile eng.)
HA9009L	GM - (1999) 3.5L/214 V6 DOHC (Oldsmobile eng.)
HA9009LC	GM - (1999) 3.5L/214 V6 DOHC (Oldsmobile eng.)
HA9010R	GM - (1999) 3.5L/214 V6 DOHC (Oldsmobile eng.)
HA9010RC	GM - (1999) 3.5L/214 V6 DOHC (Oldsmobile eng.)
HA9011L	GM - (2000) 3.5L/214 V6 DOHC (Oldsmobile eng.)
HA9011LC	GM - (2000) 3.5L/214 V6 DOHC (Oldsmobile eng.)
HA9012R	GM - (2000) 3.5L/214 V6 DOHC (Oldsmobile eng.)
HA9012RC	GM - (2000) 3.5L/214 V6 DOHC (Oldsmobile eng.)
HA9013	GM - (1976-75) 4.3L/260 V8 OHV (Oldsmobile eng.)
HA9014	GM - (1979-77) 4.3L/260 V8 OHV (Oldsmobile eng.)
HA9015L	GM - (2000-95) 4.0L/244 V8 DOHC (Oldsmobile eng.)
HA9015LC	GM - (2000-95) 4.0L/244 V8 DOHC (Oldsmobile eng.)
HA9016R	GM - (2000-95) 4.0L/244 V8 DOHC (Oldsmobile eng.)
HA9016RC	GM - (2000-95) 4.0L/244 V8 DOHC (Oldsmobile eng.)
HA9017	GM - (1976-70) 5.7L/350 V8 OHV (Oldsmobile eng.)
HA9018	GM - (1976-70) 5.7L/350 V8 OHV (Oldsmobile eng.)
HA9019	GM - (1980-77) 5.7L/350 V8 OHV (Oldsmobile eng.)
HA9020	GM - (1979-77) 6.6L/403 V8 OHV (Oldsmobile eng.)
HA9021	GM - (1979-77) 6.6L/403 V8 OHV (Oldsmobile eng.)
HA9022	GM - (1976-72) 7.5L/455 V8 OHV (Oldsmobile eng.)
HA9023	GM - (1976-72) 7.5L/455 V8 OHV (Oldsmobile eng.)
HA9024	GM - (1984-80) 5.0L/307 V8 OHV (Oldsmobile eng.)
HA9025	GM - (1981-80) 5.7L/350 V8 OHV (Oldsmobile eng.)
HA9026	GM - (1982-77) 4.3L/260 V8 OHV (Oldsmobile eng.)
HA9027	GM - (1990-85) 5.0L/307 V8 OHV (Oldsmobile eng.)
HA9028	GM - (1979-78) 5.7L/350 V8 OHV Diesel (Oldsmobile eng.)
HA9029	GM - (1980) 5.7L/350 V8 OHV Diesel (Oldsmobile eng.)
HA9030	GM - (1985-81) 5.7L/350 V8 OHV Diesel (Oldsmobile eng.)
HA9031	GM - (1985-81) 5.7L/350 V8 OHV Diesel (Oldsmobile eng.)
HA9032	GM - (1980) 5.7L/350 V8 OHV Diesel (Oldsmobile eng.)
HA9033	GM - (1992-89) 2.3L/138 L4 DOHC (Oldsmobile eng.)
HA9033C	GM - (1992-89) 2.3L/138 L4 DOHC (Oldsmobile eng.)

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