



Apex Drives The World

Auto Engine Assembly and Engine parts Manufacturer

Henan Apex Machinery Manufacturing Co., Ltd.

CONTENTS

1、 About us

2、 Product Details

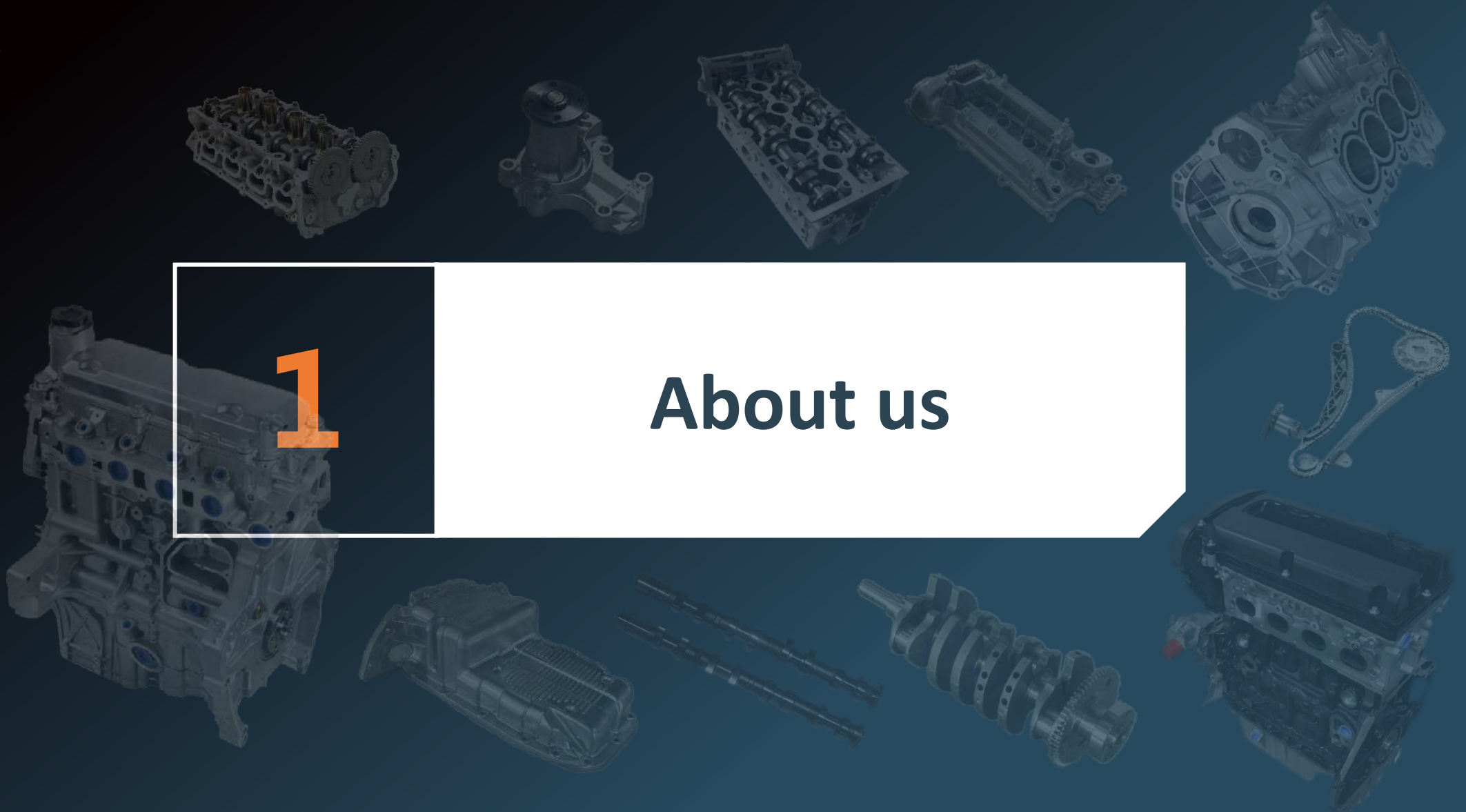
3、 Product Advantage

4、 After Sales Service



1

About us



Company Profile



Apex Engine



Henan Apex Machinery Manufacturing Co., Ltd., Specializes in the independent research, design, and production of auto engine assemblies, cylinder head assemblies, cylinder block assemblies, and other automotive components for passenger vehicles. Our products are widely used in micro vehicles, light trucks, and sedans among various gasoline vehicle models.

With two modern production bases located in Zhengzhou and Chongqing, covering a total area of 15,000 square meters, our company employs over 200 staff. We have the capability to produce components for over 300 vehicle models, with an annual production capacity of more than 100,000 units of automotive engines, ensuring high-quality products for our international clients.

Apex Machinery Manufacturing company products cover series of joint venture vehicles such as Volkswagen, Hyundai, Mitsubishi, GM, Toyota, and Daewoo, and also achieve full coverage of mainstream domestic models such as BYD, Chery, Changan, Great Wall, JAC, Dongfeng Xiaokang, SAIC-GM-Wuling, DAE etc. Its products have been successfully exported to more than 50 countries in the Middle East, South America, Central Asia, Russia, Africa, Europe, and Southeast Asia, receiving high recognition from customers at home and abroad.



State-level high-tech enterprises, specialized and special new enterprises; products have passed ISO9001.

National High-tech Enterprise



ISO9001



18 patent certificates



Manufacturing Capability

CNC Equipment Test equipment

25

13



Quality Assurance

Rockwell hardness

Coordinate measuring machine

metallographic microscope

Coordinate measuring

Airtightness test

Engine Tester

hot break-in



A Glimpse of the Company



Apex Engine

Henan Apex Machinery Manufacturing Co., Ltd. is a well-known enterprise with both quality and reputation. We participate in the Frankfurt Auto Parts Exhibition and numerous internationally renowned exhibitions every year, actively showcasing our technology and excellent product quality.





2

Product Details



Engine assembly



Cylinder head assembly



Cylinder block assembly



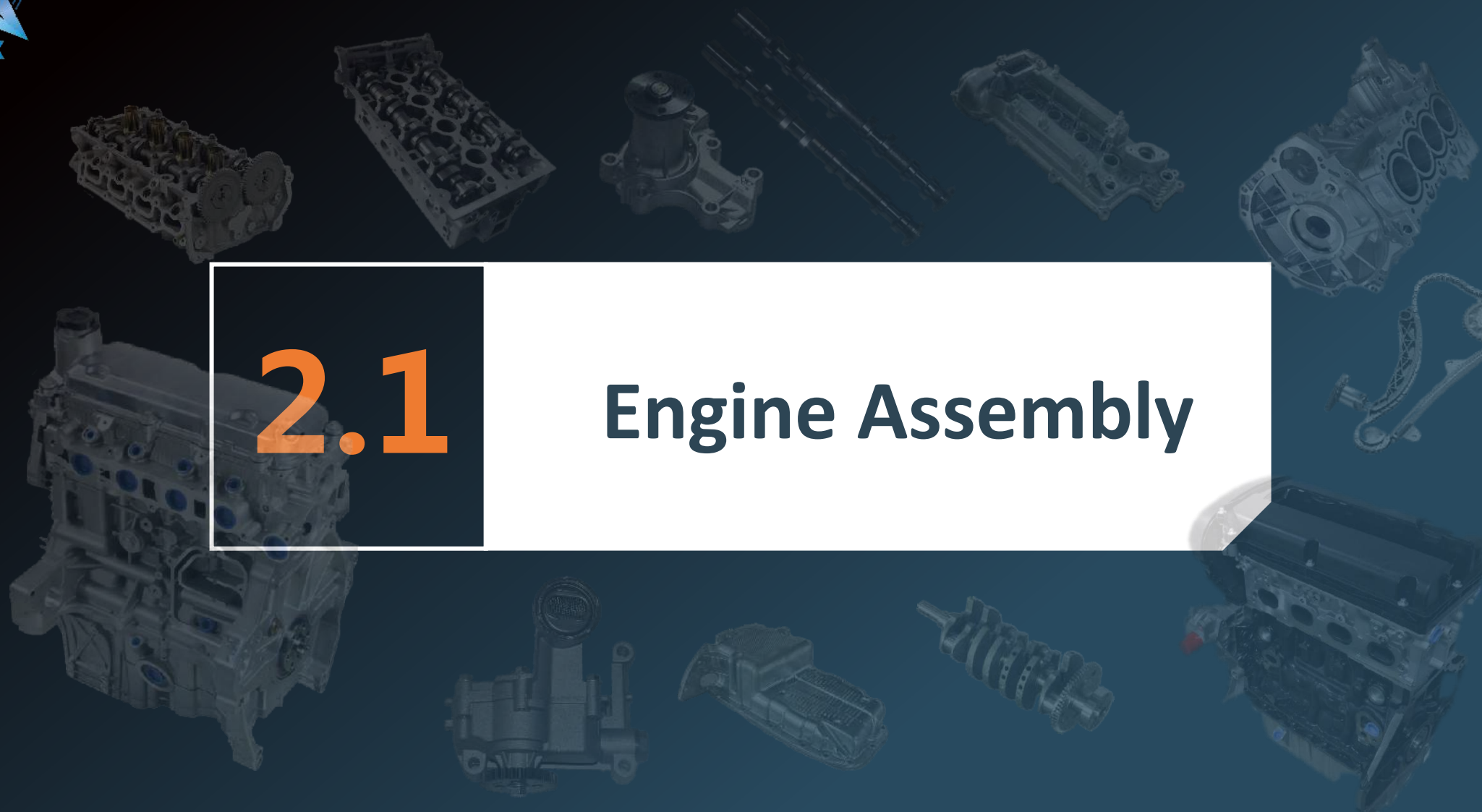
Other accessories



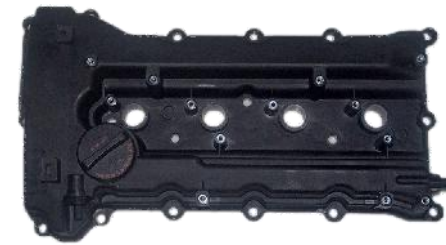


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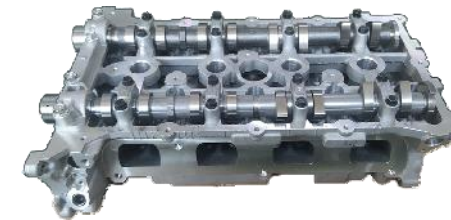
Engine Assembly



Auto Engine and accessories



valve chamber cover



cylinder head assembly



crankshaft



cylinder block assembly



oil pump



oil pan

Our engine brands mainly include Volkswagen, Hyundai, and Chevrolet, Chery etc, more than 300 engine assembly

Main Engine Models



Apex Engine



Chevrolet Series

F16D3	L2B	B10S1
2H0	LDE	LMU
LCU		



VM Series

CDE	CDF	CFB
CFN	CLR	CLS
CPD	CPJ	CSR
CUC		



Hyundai Series

G4ED	G4FC	G4FD
G4FG	G4FJ	G4GC
G4KD	G4KE	G4KH
G4KJ	G4LA	G4LC
G4NA	G4NU	G4KC



JAC Series

HFC4G93D	HFC4GA1
HFC4GA1.B	HFC4GA1-2BC
HFC4GA3.1D	HFC4GA3.BC
HFC4GA3-1D	HFC4GA3-3D
HFC4GB1.3C	HFC4GB1-2D
HFC4GB2.3D	HFC4GB3.3D
HFC4GB3-3D	

Main Engine Models



Apex Engine



Zotye Series

TNN4G15A TNN4G15T
TNN4G18 TNN4G18T



DFSK Series

SFG18 BG10 DFXC13
DK12 DK12C DK13
DK15 DK151B SFG15
SFG15T SFG16C



Chery Series

SQR372 SQRE4T15 SQR472
SQR473F SQR477F SQR481F
SQR481FG SQR484F SQR4J20
SQRD4G15 SQRE4G16 SQR4J16
SQRD4G20 SQRD4T18 SQRE4G15
SQRE4T16



FAW Series

CA4GA5 CA4GA6
CA4GX13 CA4GX15
CA4GX13-01 CA4GX15-02

Main Engine Models



Apex Engine



Hafei Series

DA465Q-2D DA4G18
JL465Q JL486ZQ3
DA468Q DA465Q DA471QR
DA465QA



Lifan Series

LF479Q3 LF466Q
LF479Q5 LF479Q2
LFB479Q



Jinbei Series

2TR 4RB2 BM15L
BM15LC BM16LB BM16LD
DLCG12 DLCG14 DLDG15
DLDG15T XC4G19 V19



Wuling Series

L2B L2C L3C
LAQ LAR LCU
LD6 LJ465Q LJ465QR
LJ474Q LJ479Q6 LJ479QE2
LJ479QNE2 LJ4A15Q LJ4A15Q6
LJ4A18Q6 LJO LL5
LMH LMU LSI

Main Engine Models



Apex Engine



Forthing Series

4A91 4A91T 4G18S1
4G64S4M



Foton Series

465QR LJ469 DAM15D
DAM15KL DAM16KL A15G
BJ486EQ DAN20 LJ469
465Q1AE6 TNN4G15B



GW Series

GW4G15T GW4G63 GW4G15B
GW4G15 4G63S4T 4G15S
4G64



Geely Series

MR479Q MR479QA
JL4G15D JL4G18CVVT
JL4G18DVVT

Main Engine Models



Apex Engine



BAIC Series

BJ415A BJ415B BJ415C
BJ410A1 A12 F13B
F15C F15D



BYD Series

BYD473QE BYD483QB
BYD488QA BYD371QA
BYD473QB



Chana Series

4G13S1 4G15S 4G15V
4G18M2 4G94 4GA6
4J18V 465Q 465Q11
465QB 473Q DAM15
DAM15B DAM15DL DAM15KL
DAM15KR DAM15L DAM15R
DAM16KL DAM16KR



CH Series

DA465Q-2 K12B-A DA465QA-2
K14B K14B-A 465QE1

All Engine Models



Apex Engine

Car series	Product name	Applicable models	Engine model	Car series	Product name	Applicable models	Engine model	Car series	Product name	Applicable models	Engine model
Chevrolet	Sail1.2	ChevroletSail	LMU	Hyundai	G4KJ	HyundaiSanta Sonata KIASorento KX7	G4KJ	VW	EA211 1.6L (gas)	New Santana New Jetta Dual Fuel Taxi	CUC
	Sail1.4	ChevroletSail Aveo	LCU						EA211 1.6L	New Santana New Jetta Sagitar	CPD CSR
	Cruze1.6New/old	Cruze Aveo BuickExcelle	LDE		G4NA	Mistra ix25 ix35 Sonata carens K4 KX3 K5Kaiku Shuma Sportage-R	G4NA G4NB	ALTO	368 carburetor	Jiangnan Alto Jiangnan Elf BYD Flair	JL368Q3
	Cruze1.8New/old	Cruze Epica BuickExcelle	2HO						368 Distributor	Jiangnan Alto Jiangnan Elf BYD Flair	JL368Q
	Excelle1.6	BuickExcelle ChevroletLova	F16D3		G4KH	HyundaiSanta Sonata Grand KIASorento KX7	G4KH		368QA	Jiangnan Alto Jiangnan Elf BYD Flair	JN368QA
	Excelle1.5	BuickExcelle	L2B		G4FJ	Mistra ix25 Tucson Encino Sonata Festa KX3 KX5 Shuma	G4FJ	BAIC	BJ410-A	BAIC Weiwang	BJ410A1
	B10S1	ChevroletSpark	B10S1						G4FD	Elantra	G4FD
	Excelle1.5	Sail3 cavalier Cruze Cruze LovaRV	L2B		VM	EA111 1.4T (bracketconcave)	Sagitar Passat Golf Lavida Bora	CFB	A151	BAIC Senova Weiwang Changhe A6	A151
Hyundai	G4FC/G4FA	HyundaiCelesta10-16 Reina Verna KIAForte Soul K2	G4FC/G4 FA	EA111 1.4T (bracketplane)					Sagitar Passat Golf Lavida Bora	CFB	415A
	G4ED	HyundaiElantra Celesta Accent KIA Cerato RIO	G4ED			415B Visteon	BAIC Prestige BAIC Magic Speed Changhe M50	BJ415B			
	G4FG	HyundaiAvante Elantra Celesta Verna KIAForte KX3	G4FG	EA111 1.6L(bracketplan e)Fe		Bora Lavida Sagitar Polo	CDE CDF CLR CLS	415B Delphi	BAIC Prestige BAIC Magic Speed Changhe M50	BJ415B	
	G4LA G4LC	Reina Verna KIAKX1 Pegas K2 KX	G4LC					Beiqi 415C	BAIC Magic Speed Changhe M70	BJ415C	
	G4GC	Sonata Tucson i30 KIAOptima carens	G4GC	EA111 1.6L(bracketconc ave)Fe		Bora Lavida Sagitar Polo	CDE CDF CLR CLS	F13B (original brand new)	BAIC Magic Speed	F13B	
	G4KE	HyundaiSonata iX35 Sonata Santa KIASportage-R KIASorento	G4KE					EA111 1.6L(bracketplan e)Al	Bora Lavida Sagitar Polo	CPJ CFN	F15C (Original brand new)
	G4KD	HyundaiSonata iX35 Sonata Santa KIASportage-R	G4KD	EA111 1.6L(bracketconc ave)Al		Bora Lavida Sagitar Polo	CPJ CFN	F15D (original brand new)	Magic speed S6 Magic speed S7, than speed T5 1.5T	F15D	
								415C (original brand new)	Magic Speed S2 S3 H2 H3, Changhe M70 1.5L	415C	



Car series	Product name	Applicable models	Engine model	Car series	Product name	Applicable models	Engine model	Car series	Product name	Applicable models	Engine model	
BYD	371	BYD F0 F3	BYD371QA	CHANGAN	EA15 (front drive)	Changan Yuexiang CS15 Kordsa Changan Auchan	JL473QF	CHANGAN	Chang'an 475	Changan 4500	JL475QS	
	473QB	BYD F3 G3 L3	BYD473QB			510	FAW Jiabao Hafei Junyi		DAM10AR	4G18M2	Changan CX70	4G18M2
	473QE	BYD F3 G3 L3 Su Rui Yuan	BYD473QE			513	Changan Shenqi Hafei Junyi Zhongyi		DAM13R	4G94	Changan Ruixing M90 Fengxing Lingzhi Cheetah Feiteng	4G94
	483QB	BYD S6\S8 F3 G3 L3	BYD483QB		DAM15	Chang'an Leapover Shenqi Chery Youjin	DAM15R	CHANGHE	465Q-2D3	Changhe Freda Hafei New Public Opinion	465QE1	
CHANGAN	465Q11	Changan EFI Radium Mongolia Star Card Lifan Fushun Dongfeng Huashen	JL462Q5		DAM15L-QUA	Changan Shenqi Pickup F30	DAM15L		465 distributor	Changbei Dipper	DA465Q-2/D1	
	465QB	Changan Star Leopard Star Card Star Rhyme Xiaokang KO7 K02 K17 V07 3U Gold Diamond	AF10-07		DAM15L-QU	Changan Ruixing S50	DAM15L		465Q-2	Changbei Dipper	DA465Q-2	
	CB10	Chang'an Star II Star Card Shenqi	JL466Q8		DAM15DL-QUA	Changan Ruixing M70	DAM15DL		465QA-2 sensor	Changhe New Big Dipper	DA465QA-2	
	Benben CB10	Changan Benben MINI	JL466Q5		DAM15DL-QU	Changan Ruixing S50 Baoke Pickup P102	DAM15DL		K14-UMC	Changbei Dipper/Freida	K14B	
	474	Chang'an Star Leap Auchan Taurus	JL474QH		DAM15B	Changan Auchan	DAM15B		K14-Hitachi	Changbei Dipper/Freida	K14B	
	Benben 474	Changan Benben	JL474QL		DAM15KR	Changan Ruixing Shenqi Star Card Karry Youjin Fukuda Xiangling	DAM15KR		Langdi K14-UMC	Langdi Changhe Freda	K14B-A	
	Antelope 474	Changan Antelope/Swift	JL474Q5		DAM15KL-06 (double VVT)	Changan Shenqi F30 Ruixing S50 Changhe M50	DAM15KL		Freda K10	Changhe Freda	K10A	
	Uno 474	Changan Uno	JL474QAD		DAM16KR	Changan Ruixing Shenqi Crossover Futian Xiangling	DAM16KR		Langdi K12	Langdi Changhe Freda	K12B-A	
	Chang'an 473	Changan Taurus Star 7	JL473QD		DAM16KRC	Changan Ruixing Shenqi Crossover	DAM16KR C		CHERY	272QA	four wheel drive	LV162ML-P
	Changan 473VVT	Changan Star 5	JL473Q3	DAM16KL-10 Double VVT	Five Signs Tang Jun	DAM16KL	272QB	three wheel drive		LV163ML-P		
EA14	Changan Ouliwei Yuexiang Benben CX20	JL473Q1	DAM16KL-08 Double VVT	Chang'an Leapover Dongfeng Tuyi	DAM16KL	QQ372	Chery QQ	SQR372				
EA12	Changan Oliwei	JL473QA	Yuexiang 475	Changan Yuexiang	JL475Q7	QQ472	Chery QQ	SQR472FF				
	EA15 (rear drive)	Changan Uno S X70	JL473QG				DAM15DR	Chery Youjin Futian Jiatu	DAM15DR			
							DFSK	465i2-30	Dongfeng Xiaokang V21 V22 K07	465i2-30		



Car series	Product name	Applicable models	Engine model	Car series	Product name	Applicable models	Engine model	Car series	Product name	Applicable models	Engine model
DFSK	DK12-07/08	Dongfeng scenery 330	DK12-07	DFSK	SFG15-05	Dongfeng scenery 370	SFG15-05	GREAT WALL	4G64	Great Wall	4G64S4M
	DK12-11	Dongfeng scenery 330	DK12-11		SFG18 (front and rear)	Dongfeng scenery 560 580	SFG18		4G15 UMC	Great Wall Soaring Wings/Cool Bear/Fantastic	GW4G15
	DK13-06-VVT	Dongfeng Xiaokang V27 C36/37	DK13-06	FAW JILIN	Xenia 4GX13	FAW Xenia S80 M80	CA4GX13-01		4G15 Siemens	Great Wall Soaring Wings/Cool Bear/Fantastic	GW4G15
	DK13-02	Dongfeng Xiaokang C37	DK13		Xenia 4GX15	FAW Xenia S80	CA4GX15-01		4G15T	Great Wall Haval	GW4G15T
	DK13-08	Scenery 330	DK13-08		4GX13	FAW Jiabao	CA4GX13		4G15B	Great Wall Haval	GW4G15B
	BG10	Dongfeng Xiaokang K01/07 V21/V27	BG10		4GX15	FAW Jiabao	CA4GX15		4G63 (front drive)	Great Wall Harvard H6 China Zunchi Huatai Santa Fe	4G63S4M
	BG10 sensor	Dongfeng Xiaokang K01/07 V21/V27	BG10-05		4A91	Fengxing Jingyi Southeast Lingyue Zhonghua Junjie Futian	4A91		4G63S4T	Great Wall Harvard H5	4G63S4T
	DK12C	Dongfeng Xiaokang K01/07 Changan Leap	DK12C	FORTHING	4A91T	Dongfeng Fengxing Zotye BAIC Weiwang Changhe Q7	4A91T		479Q (8A)	Geely Pride America Japan Liberty Ship Shanghai Huapu	MR479Q
	DK12C-through hole	Foton Changan New Leopard Xiaokang K06	DK12C		4G18	Dongfeng Fengxing Lingzhi	4G18S1	479QA-UMC	Geely Pride, America and Japan, Liberty Ship, King Kong	MR479QA	
	DK15C (original factory)	Changan Leaping Dongfeng Xiaokang C31/32 D51/52	DK15C		4G64	Dongfeng is popular	4G64S4M	479QA-Delphi	Geely Pride, America and Japan, Liberty Ship, King Kong	MR479QA	
	DK15-01 (front and rear)	Dongfeng scenery 330	DK15-01		FOTON	A15G	Futian Yuling Futian small card	A15G	4G15DVVT-Delphi	Geely Vision Sea View Emgrand	JLy-4G15
	DK15-02 (front)	Dongfeng scenery 330	DK15-02	Dongan DAM15DL		Futian Jiatsu Beiqi Weiwang M20	DAM15DL	4G15DVVT-UMC	Geely Vision Sea View Emgrand	JLy-4G15	
	DK15-02 (rear)	Dongfeng scenery 330	DK15-02	Dongan DAM15L-ZL		Futian Xiangling	DAM15L	4G18DVVT-Delphi	Geely Emgrand GX7 vision	JLy-4G18	
	DK15-05	Dongfeng scenery 330 Tang Jun Wuzheng	DK15-05	Dongan DAM15KL-01 (Foton double VVT)		Fukuda Xiangling Black Panther Lucky Card	DAM15KL	4G18DVVT-UMC	Geely Emgrand GX7 vision	JLy-4G18	
	DK15-06 (front and rear)	Dongfeng Xiaokang C31/32/35/36	DK15-06/09	TNN4G15B		Futian Yuling Futian small card	TNN4G15B				
	DK15-07 (front and rear)	Dongfeng Xiaokang 35/36 Changan Leap	DK15-07								



Apex Engine

Car series	Product name	Applicable models	Engine model	Car series	Product name	Applicable models	Engine model	Car series	Product name	Applicable models	Engine model	
HAFEI	DA465-Carburetor	Hafei Changhe FAW Jiabao Wuling Small Whirlwind	JL465Q/DA465Q	LIFAN	4F18	Lifan Xingshun/Fushun/Fengshun	LF466Q	WU LING	B12	Wuling Light Wuling Glory Xiaokang V27 V29 C37 K07 Black Panther	LAQ	
	DA465Q-1A-UMC	Hafei Changan Changhe Jiabao Wuling	JL465Q/DA465Q		479Q5	Lifan Fengshun Xingshun	LF479Q5		LJ474	Wuling Hongtu, Beiqi Weiwang, Shaanxi Automobile Tongjia, Southeast Xiwang, Dongfeng Xiaokang	LJ474Q/QE2/Q3E2	
	DA465Q-1A-Delphi	Hafei Changan Changhe Jiabao Wuling	JL465Q/DA465Q	LEOP AARD	4G64	Cheetah V31	4G64S4M		Honor B15	Wuling Rongguang Rongguang small card/new card	L3C	
	DA465QA-1A	FAW Jiabao Hafei Public Opinion Zhongyi Jinbei Starfish Dongfeng Xiaokang	DA465QA		CF4G15T	Cheetah Feiteng CS9/10	CF4G15T		Hongguang N15	Wuling Hongguang	L2B	
	468QL	Big Dipper 1.1 Lobo 1.1 Ideal 1.1	DA468Q	REFIN E	Ruifeng 2.4	JAC Ruifeng 2.4	HFC4GA1.B		Hongguang N15T	Wuling Hongguang Wuling Journey Capgemini	LJO	
	Hafei Lobo 465	Hafei Lobo	DA465Q-2D		Roewe 1.3	MG3	13S4F		Baojun B15	Baojun 310/510/610/630 Baojun 730	L2B	
	471	Hafei Public Opinion, Panther Motors	DA471QL/471QLR		Roewe 1.5	Roewe 350 Single VVT	15S4U		Baojun 1.5T	Baojun 730 Baojun 530/560	LL5	
	4G18	Hafei Racing, BYD F3, China Junjie, Southeast Motors	DA4G18	ROEW E	Roewe 1.5T	Roewe 350	15S4G		Baojun N15T	Baojun 530/730	LJO	
	JINBEI	CG12	Gold Cup Little Sea Lion Xinyuan T20 T22		DLCG12	Roewe 1.8	Roewe 550		18K4C	C14	Wuling Hongguang	LCU
		CG14	Gold Cup Little Sea Lion Xinyuan T30 T32 T50		DLCG14	Roewe 1.8T	Roewe MG Santa Fe		18K4G	Honor 1.2-VVT	Glory of Wuling Glory Photo Card Glory S	LD6
CG14 National V		Gold Cup Little Sea Lion Xinyuan T30 T32 T50	SWC14M	SOUE AST	4G15M	Southeast V3 Lingyue	4G15M	4A15	Dongfeng Tuyi Kaima Ruihang JAC Kangling	LJ4A15Q		
V19		Jinbei ZTE Huanghai Foday Automobile Foton	V19		WULI NG	465Q-1A/E6	Wuling Light/Yanguang/Hongtu/Prosperous	LJ465Q-1AE6	4A15Q6	Dongfeng Tuyi Yuejin Fuxing	LJ4A15Q6	
Gold Cup 491		Jinbei ZTE Huanghai Foday	XC4G19	LJ465QR		Wuling Light, Beiqi Weiwang, Foton Yuling, Haima Fushida	LJ465QR1E6	N12	Wuling Light Wuling Glory Wuling Hongguang	LSI		
							Baojun N12A	Baojun 310 1.2	LMH			
							Baojun 479	Baojun 560 730	LJ479QNE2			
							ZOTYE	TNN4G15A	Zotye Z300	TNN4G15A		
								TNN4G15T	Zotye T500/T600 Junma S70	TNN4G15T		
								TNN4G18T	Zotye T600 Z700 Damai	TN4G18T		
								4G18	Zotye 2008 5008	DA4G18		



2.2

Cylinder Head Assembly



Cylinder Head Assembly



Apex Engine

Chevrolet Series



F16D3	L2B	B10S1
LDE	2H0	LMU
LCU		

Hyundai Series



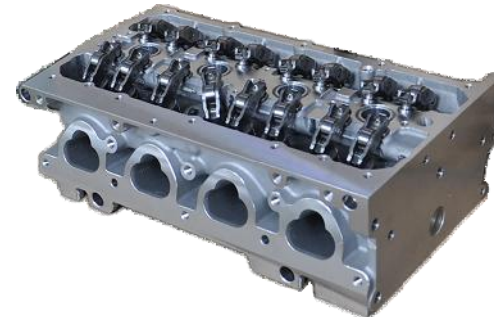
G4ED	G4FC	G4FD
G4FG	G4FJ	G4GC
G4KD	G4KE	G4KH
G4KJ	G4LA	G4LC
G4NA	G4NU	G4KC

JAC Series



HFC4G93D	HFC4GA1
HFC4GA1.B	HFC4GA1-2BC
HFC4GA3.1D	HFC4GA3.BC
HFC4GA3-1D	HFC4GA3-3D
HFC4GB1.3C	HFC4GB1-2D
HFC4GB2.3D	HFC4GB3.3D
HFC4GB3-3D	

VM Series



CDE	CDF	CFB
CFN	CLR	CLS
CPD	CPJ	CSR
CUC		



2.3

Cylinder Block Assembly



Cylinder Block Assembly



Apex Engine



Chevrolet Series

F16D3	L2B	B10S1
LDE	2H0	LMU
LCU		



Hyundai Series

G4ED	G4FC	G4FD
G4FG	G4FJ	G4GC
G4KD	G4KE	G4KH
G4KJ	G4LA	G4LC
G4NA	G4NU	G4KC



JAC Series

HFC4G93D	HFC4GA1
HFC4GA1.B	HFC4GA1-2BC
HFC4GA3.1D	HFC4GA3.BC
HFC4GA3-1D	HFC4GA3-3D
HFC4GB1.3C	HFC4GB1-2D
HFC4GB2.3D	HFC4GB3.3D
HFC4GB3-3D	



VM Series

CDE	CDF	CFB
CFN	CLR	CLS
CPD	CPJ	CSR
CUC		



2.4

Engine Accessories



Clutch Set



Water Pump



Camshaft



Timing Chain



Oil Pump



Crankshaft





3

Product Advantage



Product Advantage

- Multiple process inspections
- Multi model engine production line
- Cold and hot running test
- Scale manufacturing
- Complete models and customized packaging
- One machine, one code, product traceability





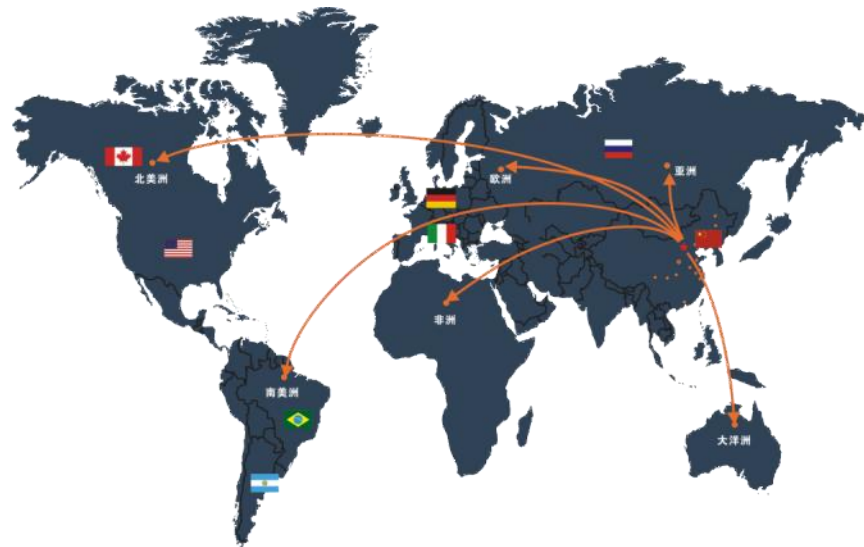
4

After Sales Service



Technical support

- one year warranty
- Professional team provides solutions



Rapid response



- Provide 7x24 hours technical support services
- Multiple service outlets nationwide
- professional engineers to provide solutions



Thanks!



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