



# Shenzhen Xtooltech Co., Ltd

## TPS FUNCTION LIST

SOFTWARE VERSION: 28.60

Car	Area	Model	Yearly	System	Type
INFINITI					Match manually
LEXUS					Match manually
NISSAN		Grace A33			Match manually
NISSAN		Teana			Match manually
NISSAN		Tiida			Match manually
NISSAN		Livna			Match manually
NISSAN		Tiida			Match manually
NISSAN		Bluebird		Method One	Match manually
NISSAN		Bluebird		Method Two	Match manually
NISSAN		Quest			Match manually
NISSAN		March			Match manually
NISSAN		Cima			Match manually
NISSAN		Other models			Match manually
TOYOTA		Camry			Match manually
TOYOTA		Corolla		Method One	Match manually
TOYOTA		Corolla		Method Two	Match manually
TOYOTA		Corolla		Method Three	Match manually
TOYOTA		Corolla EX			Match manually
TOYOTA		C-HR			Match manually
TOYOTA		Crown	13.5 Generation		Match manually
TOYOTA		Crown	Other		Match manually
TOYOTA		FJCruiser FJ			Match manually
TOYOTA		Highlander			Match manually
TOYOTA		Prado			Match manually
TOYOTA		Levin			Match manually
TOYOTA		Reiz			Match manually
TOYOTA		Rav4			Match manually
TOYOTA		Sienna			Match manually
TOYOTA		Other Cars		Method One	Match manually
TOYOTA		Other Cars		Method Two	Match manually
HONDA		CR-V			Match manually
HONDA		Crider			Match manually
HONDA		ODYSSEY			Match manually
HONDA		FIT			Match manually

HONDA		AVANCIER			Match manually
MAZDA					Match manually
SUBARU		IMPREZA/CROSSTREK/XV	1998-2011		Match manually
SUBARU		Forester	1998-2013		Match manually
SUBARU		Outback	1998-2014		Match manually
SUBARU		WRX/Levorg	1998-2018		Match manually
SUBARU		Chi Peng			Match manually
SUBARU		other			Match manually
DAEWOO		Cruze		1.6L gasoline engine(LXT)	
DAEWOO		Gentra		Siemens engine	
DAEWOO		Gentra		1.5SOHC(Delphi)	
DAEWOO		Gentra		1.4/1.6DOHC(Delphi)	
DAEWOO		Kalos/Aveo(-2005)		Siemens engine	
DAEWOO		Kalos/Aveo(-2005)		1.5/1.6SOHC(Delphi)	
DAEWOO		Kalos/Aveo/Barina(2006-)		Siemens engine	
DAEWOO		Kalos/Aveo/Barina(2006-)		1.5SOHC(Delphi)	
DAEWOO		Kalos/Aveo/Barina(2006-)		1.6/1.8DOHC(Delphi)	
DAEWOO		Lacetti Premiere/Cruze		ECM-GEN3 1.6D&1.8D	
DAEWOO		Lacetti/Optra/Excelle(-2005)		1.5L	
DAEWOO		Lacetti/Optra/Excelle/Viva(2006-)		Siemens engine	
DAEWOO		Lacetti/Optra/Excelle/Viva(2006-)		1.8DOHC(Delphi)	
DAEWOO		Leganza		1.8/2.0/2.2L	
DAEWOO		Matiz(M200)		0.8SOHCKOBD(2007)	
DAEWOO		Matiz(M200)		1.0SOHC(Euro 2/3/4)	
DAEWOO		Matiz(M300)/Spark			
DAEWOO		Matiz/Spark		0.8/1.0L	
DAEWOO		Matiz/Spark		Contained/unleaded gasoline	
DAEWOO		New-Lanos			
DAEWOO		New-Nexia		1.5L	
DAEWOO		New-Nexia		1.6L	
DAEWOO		Nexia		1.5L	
DAEWOO		Nubira 2		1.5DOHC	
DAEWOO		Rezzo/Tacuma		1.6L/1.8L	
DAEWOO		Rezzo/Tacuma		2.0L	
DAEWOO		Stateman		V6	
DAEWOO		Tosca/Epica		Petrol 1.8L	
DAEWOO		Tosca/Epica		Petrol 2.0L/2.5L	
DAEWOO		Tosca/Epica		LPG	
DAEWOO		Tosca/Epica		LPI(EMS ECU)	
HYUNDAI	BEIJING-HYUNDAI	Accent(MC)	2005-2015		
HYUNDAI	BEIJING-HYUNDAI	Elantra(XD)	2016-2017		
HYUNDAI	BEIJING-HYUNDAI	Elantra(XD)	2007-2015	G 1.6 DOHC	
HYUNDAI	BEIJING-HYUNDAI	Elantra(XD)	2007-2015	G 1.8 DOHC	
HYUNDAI	BEIJING-HYUNDAI	Elantra(XD)	2006	G 1.6 DOHC	Type 1(CVVT+)
HYUNDAI	BEIJING-HYUNDAI	Elantra(XD)	2006	G 1.6 DOHC	Type 2(CVVT-)
HYUNDAI	BEIJING-HYUNDAI	Elantra(XD)	2006	G 1.8 DOHC	
HYUNDAI	BEIJING-HYUNDAI	Elantra(XD)	2004-2005		

HYUNDAI	BEIJING-HYUNDAI	Seventh Generation Elantra(CN7C)	2020	G 1.4 T-GDI	
HYUNDAI	BEIJING-HYUNDAI	Seventh Generation Elantra(CN7C)	2020	G 1.5 MPI	
HYUNDAI	BEIJING-HYUNDAI	Elantra(ADC)	2019-2021	G 1.4 T-GDI	
HYUNDAI	BEIJING-HYUNDAI	Elantra(ADC)	2019-2021	G 1.5 MPI	
HYUNDAI	BEIJING-HYUNDAI	Elantra(ADC)	2019-2021	G 1.6 GDI	
HYUNDAI	BEIJING-HYUNDAI	Elantra(ADC)	2019-2021	G 1.6 MPI	
HYUNDAI	BEIJING-HYUNDAI	Elantra(ADC)	2016-2018	G 1.4 T-GDI	
HYUNDAI	BEIJING-HYUNDAI	Elantra(ADC)	2016-2018	G 1.6 GDI	
HYUNDAI	BEIJING-HYUNDAI	Elantra(ADC)	2016-2018	G 1.6 MPI	
HYUNDAI	BEIJING-HYUNDAI	Elantra Plug-in hybrid(ADC PHEV)	2019-2021	G 1.6 GDI	
HYUNDAI	BEIJING-HYUNDAI	Elantra(MDC)	2012-2018		
HYUNDAI	BEIJING-HYUNDAI	Celesta(HDC)	2016-2020	G 1.6 MPI	
HYUNDAI	BEIJING-HYUNDAI	Celesta(HDC)	2010-2015	G 1.6 MPI	
HYUNDAI	BEIJING-HYUNDAI	Celesta(HDC)	2010-2015	G 1.8 MPI	
HYUNDAI	BEIJING-HYUNDAI	Celesta(HDC)	2009	G 1.6 MPI	Alpha
HYUNDAI	BEIJING-HYUNDAI	Celesta(HDC)	2009	G 1.6 MPI	Gamma
HYUNDAI	BEIJING-HYUNDAI	Celesta(HDC)	2009	G 1.8 MPI	
HYUNDAI	BEIJING-HYUNDAI	Celesta(HDC)	2008	G 1.6 MPI	
HYUNDAI	BEIJING-HYUNDAI	Celesta(HDC)	2008	G 1.8 MPI	
HYUNDAI	BEIJING-HYUNDAI	NEW Celesta(ID)	2018-2021	G 1.4 T-GDI	
HYUNDAI	BEIJING-HYUNDAI	NEW Celesta(ID)	2018-2021	G 1.6 MPI	
HYUNDAI	BEIJING-HYUNDAI	NEW Celesta(ID)	2017	G 1.6 MPI	
HYUNDAI	BEIJING-HYUNDAI	Encino(OSC)	2018-2021		
HYUNDAI	BEIJING-HYUNDAI	ix25(GC)	2017-2019	G 1.4 T-GDI	
HYUNDAI	BEIJING-HYUNDAI	ix25(GC)	2017-2019	G 1.6 T-GDI	
HYUNDAI	BEIJING-HYUNDAI	ix25(GC)	2017-2019	G 1.6 MPI	
HYUNDAI	BEIJING-HYUNDAI	ix25(GC)	2017-2019	G 2.0 MPI	
HYUNDAI	BEIJING-HYUNDAI	ix25(GC)	2014-2016		
HYUNDAI	BEIJING-HYUNDAI	New generation ix25(SU2)	2019-2021	G 1.5 MPI	
HYUNDAI	BEIJING-HYUNDAI	i30(FDC)	2009-2013	G 1.6 MPI	
HYUNDAI	BEIJING-HYUNDAI	i30(FDC)	2009-2013	G 2.0 MPI	Clear learning Value
HYUNDAI	BEIJING-HYUNDAI	i30(FDC)	2009-2013	G 2.0 MPI	Idle Control Mode
HYUNDAI	BEIJING-HYUNDAI	ix35(LMC)	2014-2019	G 2.0 MPI	
HYUNDAI	BEIJING-HYUNDAI	ix35(LMC)	2014-2019	G 2.4 MPI	
HYUNDAI	BEIJING-HYUNDAI	ix35(LMC)	2012-2013	2.0 Nu	
HYUNDAI	BEIJING-HYUNDAI	ix35(LMC)	2012-2013	2.0/2.4	
HYUNDAI	BEIJING-HYUNDAI	ix35(LMC)	2010-2011		
HYUNDAI	BEIJING-HYUNDAI	ix35(NU)	2018-2021	G 1.4 T-GDI	
HYUNDAI	BEIJING-HYUNDAI	ix35(NU)	2018-2021	G 2.0 MPI	
HYUNDAI	BEIJING-HYUNDAI	ix35(NU)	2017	G 2.0 MPI	
HYUNDAI	BEIJING-HYUNDAI	FESTA(SQ)	2018-2021		
HYUNDAI	BEIJING-HYUNDAI	MISTRA(CF)	2018-2020	G 1.6 T-GDI	
HYUNDAI	BEIJING-HYUNDAI	MISTRA(CF)	2018-2020	G 1.8/2.0 MPI	
HYUNDAI	BEIJING-HYUNDAI	MISTRA(CF)	2017	G 1.6 T-GDI	Before the change
HYUNDAI	BEIJING-HYUNDAI	MISTRA(CF)	2017	G 1.6 T-GDI	After the change
HYUNDAI	BEIJING-HYUNDAI	MISTRA(CF)	2017	G 1.8/2.0 MPI	
HYUNDAI	BEIJING-HYUNDAI	MISTRA(CF)	2013-2016		

HYUNDAI	BEIJING-HYUNDAI	MISTRA(DU2)	2021	G 1.5 T-GDI	
HYUNDAI	BEIJING-HYUNDAI	MISTRA(DU2)	2021	G 1.8 I4MPI	
HYUNDAI	BEIJING-HYUNDAI	New Santafe(DMC)	2016-2019	Type 1	
HYUNDAI	BEIJING-HYUNDAI	New Santafe(DMC)	2016-2019	Type 2	
HYUNDAI	BEIJING-HYUNDAI	New Santafe(DMC)	2012-2015		
HYUNDAI	BEIJING-HYUNDAI	Fourth Generation SANTAFE(TMC)	2019-2021	G 2.0 T-GDI	
HYUNDAI	BEIJING-HYUNDAI	MOINCA	2003-2018		
HYUNDAI	BEIJING-HYUNDAI	Sonata(LFC)	2019	G 1.6 T-GDI	
HYUNDAI	BEIJING-HYUNDAI	Sonata(LFC)	2019	G 2.0 MPI	
HYUNDAI	BEIJING-HYUNDAI	Sonata(LFC)	2019	G 2.0 T-GDI	
HYUNDAI	BEIJING-HYUNDAI	Sonata(LFC)	2017-2018	G 1.6 T-GDI	Before the change
HYUNDAI	BEIJING-HYUNDAI	Sonata(LFC)	2017-2018	G 1.6 T-GDI	After the change
HYUNDAI	BEIJING-HYUNDAI	Sonata(LFC)	2017-2018	G 2.0 MPI	
HYUNDAI	BEIJING-HYUNDAI	Sonata(LFC)	2017-2018	G 2.0 T-GDI	
HYUNDAI	BEIJING-HYUNDAI	Sonata(LFC)	2017-2018	G 2.4 GDI	
HYUNDAI	BEIJING-HYUNDAI	Sonata(LFC)	2015-2016	G 1.6 T-GDI	
HYUNDAI	BEIJING-HYUNDAI	Sonata(LFC)	2015-2016	G 2.0 MPI	
HYUNDAI	BEIJING-HYUNDAI	Sonata(LFC)	2015-2016	G 2.4 GDI	
HYUNDAI	BEIJING-HYUNDAI	Sonata 8th(YFC)	2011-2012		
HYUNDAI	BEIJING-HYUNDAI	Sonata 8th(YFC)	2013-2016	G 2.0 MPI	
HYUNDAI	BEIJING-HYUNDAI	Sonata 8th(YFC)	2013-2016	G 2.4 MPI	
HYUNDAI	BEIJING-HYUNDAI	Sonata plug-in hybrid(LFC PHEV)	2018-2021	G 2.0 PHEV	
HYUNDAI	BEIJING-HYUNDAI	Sonata Hybrid(LFC HEV)	2016-2018	G 2.0 HEV	
HYUNDAI	BEIJING-HYUNDAI	Sonata(DN8C)	2020-2021	G 1.5 T-GDI	
HYUNDAI	BEIJING-HYUNDAI	Sonata(DN8C)	2020-2021	G 2.0 T-GDI	
HYUNDAI	BEIJING-HYUNDAI	Sonata(NFC)	2009-2011		
HYUNDAI	BEIJING-HYUNDAI	Sonata(NF)	2007/2008/2010	Clear learning Value	
HYUNDAI	BEIJING-HYUNDAI	Sonata(NF)	2007/2008/2010	Idle Control Mode	
HYUNDAI	BEIJING-HYUNDAI	Sonata(NF)	2004-2006	G 2.0 DOHC	Clear learning Value
HYUNDAI	BEIJING-HYUNDAI	Sonata(NF)	2004-2006	G 2.0 DOHC	Idle Control Mode
HYUNDAI	BEIJING-HYUNDAI	Sonata(NF)	2004-2006	G 2.4 DOHC	
HYUNDAI	BEIJING-HYUNDAI	Sonata MOINCA(EF)	2009-2018		
HYUNDAI	BEIJING-HYUNDAI	Sonata MOINCA(EF)	2006-2008	G 2.0 DOHC	
HYUNDAI	BEIJING-HYUNDAI	Sonata MOINCA(EF)	2006-2008	G 2.7 DOHC	Clear learning Value
HYUNDAI	BEIJING-HYUNDAI	Sonata MOINCA(EF)	2006-2008	G 2.7 DOHC	Idle Control Mode
HYUNDAI	BEIJING-HYUNDAI	Sonata MOINCA(EF)	2005	G 2.0 DOHC	
HYUNDAI	BEIJING-HYUNDAI	Sonata MOINCA(EF)	2005	G 2.5 DOHC	Clear learning Value
HYUNDAI	BEIJING-HYUNDAI	Sonata MOINCA(EF)	2005	G 2.5 DOHC	Idle Control Mode
HYUNDAI	BEIJING-HYUNDAI	Sonata MOINCA(EF)	2005	G 2.7 DOHC	Clear learning Value
HYUNDAI	BEIJING-HYUNDAI	Sonata MOINCA(EF)	2005	G 2.7 DOHC	Idle Control Mode
HYUNDAI	BEIJING-HYUNDAI	Sonata MOINCA(EF)	2003-2004	G 2.0 MPI	
HYUNDAI	BEIJING-HYUNDAI	Sonata MOINCA(EF)	2003-2004	G 2.7 DOHC	Clear learning Value
HYUNDAI	BEIJING-HYUNDAI	Sonata MOINCA(EF)	2003-2004	G 2.7 DOHC	Idle Control Mode
HYUNDAI	BEIJING-HYUNDAI	Tucson(JM)	2016	G 2.0 DOHC	Clear learning Value
HYUNDAI	BEIJING-HYUNDAI	Tucson(JM)	2016	G 2.0 DOHC	Idle Control Mode
HYUNDAI	BEIJING-HYUNDAI	Tucson(JM)	2005-2015	G 2.0 DOHC	Clear learning Value
HYUNDAI	BEIJING-HYUNDAI	Tucson(JM)	2005-2015	G 2.0 DOHC	Idle Control Mode

HYUNDAI	BEIJING-HYUNDAI	Tucson(JM)	2005-2015	G 2.7 DOHC	
HYUNDAI	BEIJING-HYUNDAI	New Tucson(TLC)	2019-2021	G 2.0 GDI	
HYUNDAI	BEIJING-HYUNDAI	New Tucson(TLC)	2019-2021	G 1.6 T-GDI	
HYUNDAI	BEIJING-HYUNDAI	New Tucson(TLC)	2018	G 2.0 GDI	
HYUNDAI	BEIJING-HYUNDAI	New Tucson(TLC)	2018	G 1.6 T-GDI	Before the change
HYUNDAI	BEIJING-HYUNDAI	New Tucson(TLC)	2018	G 1.6 T-GDI	After the change
HYUNDAI	BEIJING-HYUNDAI	New Tucson(TLC)	2015-2017		
HYUNDAI	BEIJING-HYUNDAI	New Tucson(TLC)	2010-2018		
HYUNDAI	BEIJING-HYUNDAI	Verna(YC)/YueNa	2020-2021	G 1.4 MPI	
HYUNDAI	BEIJING-HYUNDAI	Verna(YC)/YueNa	2016-2019	G 1.4/1.6 MPI	
HYUNDAI	BEIJING-HYUNDAI	Verna(YC)/YueNa	2017-2021		
HYUNDAI	Common area	Accent(HC)	2018-2021		
HYUNDAI	Common area	Accent(HCI)	2017-2020	G 1.4/1.6 MPI	
HYUNDAI	Common area	Accent(HCI)	2021	G 1.0 T-GDI	
HYUNDAI	Common area	Accent(HCI)	2021	G 1.4/1.6 MPI	
HYUNDAI	Common area	Accent(HCI)	2021	G 1.5 MPI	
HYUNDAI	Common area	Accent(MC)	2006-2011	G 1.4 DOHC	
HYUNDAI	Common area	Accent(MC)	2006-2011	G 1.6 DOHC	
HYUNDAI	Common area	Accent(RB)	2014-2019	G 1.4 MPI-Kappa	
HYUNDAI	Common area	Accent(RB)	2014-2019	G 1.4 MPI-Gamma	
HYUNDAI	Common area	Accent(RB)	2014-2019	G 1.6 MPI	
HYUNDAI	Common area	Accent(RB)	2014-2019	G 1.6 GDI	
HYUNDAI	Common area	Accent(RB)	2013	G 1.4 MPI-Kappa	
HYUNDAI	Common area	Accent(RB)	2013	G 1.4 MPI-Gamma	
HYUNDAI	Common area	Accent(RB)	2013	G 1.6 MPI	
HYUNDAI	Common area	Accent(RB)	2011-2012	G 1.4 MPI	
HYUNDAI	Common area	Accent(RB)	2011-2012	G 1.6 MPI	
HYUNDAI	Common area	Accent/Solaris(RBr)	2011-2017	G 1.4 MPI	
HYUNDAI	Common area	Accent/Solaris(RBr)	2011-2017	G 1.6 MPI	
HYUNDAI	Common area	Accent/Solaris(HCR)	2018-2021		
HYUNDAI	Common area	Atos Prime(MXL)	2000-2004	G 1.0 SOHC	lead-bearing ALL
HYUNDAI	Common area	Atos Prime(MXL)	2000-2004	G 1.0 SOHC	lead-free NORMAL
HYUNDAI	Common area	Atos(MX)	1998-2004	G 1.0 SOHC	lead-bearing ALL
HYUNDAI	Common area	Atos(MX)	1998-2004	G 1.0 SOHC	lead-free NORMAL
HYUNDAI	Common area	Atos(MXI)-PDF	2003-2013	G 1.0/1.1 SOHC	
HYUNDAI	Common area	Creta(GS)	2015-2019	G 1.6 MPI	
HYUNDAI	Common area	Creta(GS)	2015-2019	D 1.4 TCI	Throttle valve(ACV) replacement
HYUNDAI	Common area	Creta(GSB)	2018-2019	F 1.6 MPI	
HYUNDAI	Common area	Creta(GSB)	2018-2019	F 2.0 MPI	
HYUNDAI	Common area	Creta(GSB)	2018-2019	G 1.6 MPI	
HYUNDAI	Common area	Creta(GSB)	2018-2019	G 2.0 MPI	
HYUNDAI	Common area	Creta(GSR)	2017-2019	G 1.6 MPI	
HYUNDAI	Common area	Creta(GSR)	2017-2019	G 2.0 MPI	
HYUNDAI	Common area	Equus/Centennial(VI)	2014-2016	G 5.0 GDI	
HYUNDAI	Common area	Equus/Centennial(VI)	2012-2013	G 4.6 MPI	
HYUNDAI	Common area	Equus/Centennial(VI)	2012-2013	G 5.0 GDI	

HYUNDAI	Common area	Equus/Centennial(VI)	2010-2011	G 4.6 MPI	
HYUNDAI	Common area	Elantra Coupe(JK)	2013-2016	G 1.6 MPI	
HYUNDAI	Common area	Elantra Coupe(JK)	2013-2016	G 1.8 MPI	
HYUNDAI	Common area	Elantra(AD)	2016-2020	F 2.0/G 2.0 MPI	
HYUNDAI	Common area	Elantra(AD)	2016-2020	G 1.6 MPI	
HYUNDAI	Common area	Elantra(AD)	2017-2020	G 1.6 T-GDI	
HYUNDAI	Common area	Elantra(ADA)	2017-2018		
HYUNDAI	Common area	Elantra(ADA)	2019	G 2.0 MPI	
HYUNDAI	Common area	Elantra(ADA)	2019	G 1.4 T-GDI	
HYUNDAI	Common area	Elantra(ADI)	2016-2018		
HYUNDAI	Common area	Elantra(HD)	2007-2011	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	Elantra(HD)	2007-2011	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Elantra(HD)	2007-2011	G 1.6 DOHC	Clear learning Value
HYUNDAI	Common area	Elantra(HD)	2007-2011	G 1.6 DOHC	Idle Control Mode
HYUNDAI	Common area	Elantra(HD)	2007-2011	G 1.6 DOHC	Clear learning Value
HYUNDAI	Common area	Elantra(HD)	2007-2011	G 1.6 DOHC	Clear learning Value
HYUNDAI	Common area	Elantra(HD)	2007-2011	G 1.6 DOHC	Idle Control Mode
HYUNDAI	Common area	Elantra(MD)	2013-2016	F 2.0/G 1.8/G 2.0 MPI	
HYUNDAI	Common area	Elantra(MD)	2013-2016	G 1.6 MPI	
HYUNDAI	Common area	Elantra(MD)	2012	G 1.6 MPI	
HYUNDAI	Common area	Elantra(MD)	2012	G 1.8 MPI	
HYUNDAI	Common area	Elantra(MDI)	2013-2016	G 1.8 MPI	
HYUNDAI	Common area	Elantra(UD)	2014-2016	G 1.8 MPI	
HYUNDAI	Common area	Elantra(XD)	2001-2006	G 1.8 DOHC	Clear learning Value
HYUNDAI	Common area	Elantra(XD)	2001-2006	G 1.8 DOHC	Idle Control Mode
HYUNDAI	Common area	Elantra(XD)	2001-2006	G 1.8 DOHC	Clear learning Value
HYUNDAI	Common area	Elantra(XD)	2001-2006	G 1.8 DOHC	Idle Control Mode
HYUNDAI	Common area	Elantra(XD)	2001-2006	G 1.8 DOHC	Clear learning Value
HYUNDAI	Common area	Elantra(XD)	2001-2006	G 1.8 DOHC	Idle Control Mode
HYUNDAI	Common area	Elantra(XD)	2001-2006	G 1.8 DOHC	Clear learning Value
HYUNDAI	Common area	Elantra(XD)	2001-2006	G 1.8 DOHC	Idle Control Mode
HYUNDAI	Common area	Elantra(XD)	2001-2006	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	Elantra(XD)	2001-2006	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Elantra(XD)	2001-2006	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	Elantra(XD)	2001-2006	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Elantra(XD)	2001-2006	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	Elantra(XD)	2001-2006	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Elantra(XD)	2001-2006	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	Elantra(XD)	2001-2006	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Eon(HA)	2014-2019	B 0.8 MPI	
HYUNDAI	Common area	Eon(HA)	2014-2019	G 0.8 MPI	
HYUNDAI	Common area	Eon(HA)	2014-2019	G 1.0 MPI	
HYUNDAI	Common area	Eon(HA)	2012-2013	B 0.8 MPI	
HYUNDAI	Common area	Eon(HA)	2012-2013	G 0.8 MPI	
HYUNDAI	Common area	G70(IK)	2018-2021	G 2.0 T-GDI	

HYUNDAI	Common area	G70(IK)	2018-2021	G 3.3 T-GDI	
HYUNDAI	Common area	G80(DH)	2018-2020	G 2.0 T-GDI	
HYUNDAI	Common area	G80(DH)	2018-2020	G 3.3 T-GDI	
HYUNDAI	Common area	G80(DH)	2018-2020	G 3.8 GDI	
HYUNDAI	Common area	G80(DH)	2018-2020	G 5.0 GDI	
HYUNDAI	Common area	G80(DH)	2017	G 2.0 T-GDI	
HYUNDAI	Common area	G80(DH)	2017	G 3.8 GDI	
HYUNDAI	Common area	G80(DH)	2017	G 5.0 GDI	
HYUNDAI	Common area	G80(RG3)	2021	G2.5 T-GDI	
HYUNDAI	Common area	G80(RG3)	2021	G3.5 T-GDI	
HYUNDAI	Common area	GV80(JX1)	2020-2021	G 2.5 T-GDI	
HYUNDAI	Common area	GV80(JX1)	2020-2021	G3.5 T-GDI	
HYUNDAI	Common area	G90(HI)	2017-2021	G 3.8 GDI	
HYUNDAI	Common area	G90(HI)	2017-2021	G 5.0 GDI	
HYUNDAI	Common area	G90(HI)	2017-2021	G 3.3 T-GDI	
HYUNDAI	Common area	Genesis Coupe(BK)	2012-2017	G 2.0 T-MPI	
HYUNDAI	Common area	Genesis Coupe(BK)	2009-2011	G 2.0 T-MPI	Clear learning Value
HYUNDAI	Common area	Genesis Coupe(BK)	2009-2011	G 2.0 T-MPI	Idle Control Mode
HYUNDAI	Common area	Genesis Coupe(BK)	2009-2011	G 2.0 T-MPI	Clear learning Value
HYUNDAI	Common area	Genesis Coupe(BK US)-U.S.	2013	G 2.0 T-MPI	
HYUNDAI	Common area	Genesis(BH)	2012-2014	G 4.6 MPI	
HYUNDAI	Common area	Genesis(BH)	2012-2014	G 5.0 GDI	
HYUNDAI	Common area	Genesis(BH)	2009-2011	G 4.6 MPI	
HYUNDAI	Common area	Genesis(BH US)-U.S.	2013	G 4.6 MPI	
HYUNDAI	Common area	Genesis(BH US)-U.S.	2013	G 5.0 GDI	
HYUNDAI	Common area	Genesis(DH)	2014-2017	G 5.0 GDI	
HYUNDAI	Common area	Grand i10 Nios/Aura(AI3)	2020-2021	D 1.2 TCI-U2(BS4)	Throttle (ACV) valve change
HYUNDAI	Common area	Grand i10 Nios/Aura(AI3)	2020-2021	D 1.2 TCI-U2(BS6)	Throttle (ACV) valve change
HYUNDAI	Common area	Grand i10 Nios/Aura(AI3)	2020-2021	G 1.0 MPI	
HYUNDAI	Common area	Grand i10 Nios/Aura(AI3)	2020-2021	G 1.0 T-GDI	
HYUNDAI	Common area	Grand i10 Nios/Aura(AI3)	2020-2021	G 1.2 MPI	Type 1
HYUNDAI	Common area	Grand i10 Nios/Aura(AI3)	2020-2021	G 1.2 MPI	Type 2
HYUNDAI	Common area	Grand i10/Xcent(BA)	2014-2020	B 1.0 LPGI	
HYUNDAI	Common area	Grand i10/Xcent(BA)	2014-2020	G 1.0 MPI	
HYUNDAI	Common area	Grand i10/Xcent(BA)	2014-2020	G 1.2 MPI	
HYUNDAI	Common area	Grand i10/Xcent(BA)	2014-2020	D 1.2 TCI-U2	Throttle valve(ACV) replacement
HYUNDAI	Common area	Grand Santafe(NC)	2016-2018	G 2.0 T-GDI	
HYUNDAI	Common area	Grandeur(XG)	1999-2005	G 2.5 DOHC	Clear learning Value
HYUNDAI	Common area	Grandeur(XG)	1999-2005	G 2.5 DOHC	Idle Control Mode
HYUNDAI	Common area	Grandeur(XG)	1999-2005	G 2.5 DOHC	Clear learning Value
HYUNDAI	Common area	Grandeur(XG)	1999-2005	G 2.5 DOHC	Idle Control Mode
HYUNDAI	Common area	Grandeur(XG)	1999-2005	G 2.5 DOHC	Clear learning Value
HYUNDAI	Common area	Grandeur(XG)	1999-2005	G 2.5 DOHC	Idle Control Mode
HYUNDAI	Common area	Grandeur(XG)	1999-2005	G 3.0 DOHC	Clear learning Value
HYUNDAI	Common area	Grandeur(XG)	1999-2005	G 3.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Grandeur(XG)	1999-2005	G 3.0 DOHC	Clear learning Value

HYUNDAI	Common area	Grandeur(XG)	1999-2005	G 3.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Grandeur(XG)	1999-2005	G 3.0 DOHC	Clear learning Value
HYUNDAI	Common area	Grandeur(XG)	1999-2005	G 3.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Grandeur/Azera(HG)	2016-2017	G 2.4 MPI	
HYUNDAI	Common area	Grandeur/Azera(HG)	2016-2017	G 3.0 MPI	
HYUNDAI	Common area	Grandeur/Azera(HG)	2015	G 2.4 MPI	Engine system
HYUNDAI	Common area	Grandeur/Azera(HG)	2015	G 2.4 MPI	lead-bearing ALL
HYUNDAI	Common area	Grandeur/Azera(HG)	2015	G 2.4 MPI	lead-free ALL
HYUNDAI	Common area	Grandeur/Azera(HG)	2015	G 3.0 MPI	
HYUNDAI	Common area	Grandeur/Azera(HG)	2012-2014	G 2.4 MPI	
HYUNDAI	Common area	Grandeur/Azera(HG)	2012-2014	G 3.0 MPI	
HYUNDAI	Common area	Grandeur/Azera(IG)	2019-2020	G 3.5 MPI	
HYUNDAI	Common area	Grandeur/Azera(IG)	2019-2020	G 3.0 MPI	
HYUNDAI	Common area	Grandeur/Azera(IG)	2019-2020	G 3.0 GDI	
HYUNDAI	Common area	Grandeur/Azera(IG)	2019-2020	G 2.4 GDI	
HYUNDAI	Common area	Grandeur/Azera(IG)	2019-2020	G 2.5 GDI	
HYUNDAI	Common area	Grandeur/Azera(IG)	2021	G 2.4 GDI	
HYUNDAI	Common area	Grandeur/Azera(IG)	2021	G 2.5 GDI	
HYUNDAI	Common area	Grandeur/Azera(IG)	2021	G 3.5 MPI	
HYUNDAI	Common area	Grandeur/Azera(TG)	2009-2011	G 2.4 DOHC	
HYUNDAI	Common area	H-1/iMAX/iLOAD(TQ)	2019-2021	G 2.4 DOHC	
HYUNDAI	Common area	H-1/iMAX/iLOAD(TQ)	2019-2021	D 2.5 TCI-A2(Euro-5)	Throttle valve(ACV) replacement
HYUNDAI	Common area	H-1/iMAX/iLOAD(TQ)	2019-2021	D 2.5 TCI-A2(Euro-6)	Throttle valve(ACV) replacement
HYUNDAI	Common area	H-1/iMAX/iLOAD(TQ)	2016-2018	G 2.4 DOHC	
HYUNDAI	Common area	H-1/iMAX/iLOAD(TQ)	2016-2018	D 2.5 TCI-A2(Euro-5)	Throttle valve(ACV) replacement
HYUNDAI	Common area	H-1/iMAX/iLOAD(TQ)	2016-2018	D 2.5 TCI-A2(Euro-6)	Throttle valve(ACV) replacement
HYUNDAI	Common area	H-1/iMAX/iLOAD(TQ)	2008-2015	G 2.4 DOHC	Clear learning Value
HYUNDAI	Common area	H-1/iMAX/iLOAD(TQ)	2008-2015	G 2.4 DOHC	Idle Control Mode
HYUNDAI	Common area	H-100 Truck(HR)	2020-2021	Throttle (ACV) valve change	Type 1
HYUNDAI	Common area	H-100 Truck(HR)	2020-2021	Throttle (ACV) valve change	Type 2
HYUNDAI	Common area	H-100 Truck(HR)	2017-2019	Throttle valve(ACV) replacement	
HYUNDAI	Common area	H-100 Truck(HR)	2013-2016	Throttle valve(ACV) replacement	
HYUNDAI	Common area	H350(EU)	2015-2020	D 2.5 TCI-A2	Throttle valve(ACV) replacement
HYUNDAI	Common area	HB20(HB)	2013-2019		
HYUNDAI	Common area	HB20(BR2)	2020-2021	F 1.0 MPI	
HYUNDAI	Common area	HB20(BR2)	2020-2021	F 1.0 T-GDI	
HYUNDAI	Common area	HB20(BR2)	2020-2021	F 1.6 MPI	
HYUNDAI	Common area	HB20(BR2)	2020-2021	G 1.6 MPI	
HYUNDAI	Common area	HD Coupe(GK)	2002-2008	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	HD Coupe(GK)	2002-2008	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	HD Coupe(GK)	2002-2008	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	HD Coupe(GK)	2002-2008	G 2.0 DOHC	Idle Control Mode



HYUNDAI	Common area	HD Coupe(GK)	2002-2008	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	HD Coupe(GK)	2002-2008	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	HD Coupe(GK)	2002-2008	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	HD Coupe(GK)	2002-2008	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	HD Coupe(GK)	2002-2008	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	HD Coupe(GK)	2002-2008	G 2.7 DOHC	Idle Control Mode
HYUNDAI	Common area	i10(IA)	2020	B 1.0 LPGI	
HYUNDAI	Common area	i10(IA)	2020	G 1.0 MPI	
HYUNDAI	Common area	i10(IA)	2020	G 1.2 MPI	
HYUNDAI	Common area	i10(IA)	2017-2019	B 1.0 LPGI	
HYUNDAI	Common area	i10(IA)	2017-2019	G 1.0 MPI-KWP	
HYUNDAI	Common area	i10(IA)	2017-2019	G 1.0 MPI-UDS	
HYUNDAI	Common area	i10(IA)	2017-2019	G 1.2 MPI	
HYUNDAI	Common area	i10(IA)	2014-2016		
HYUNDAI	Common area	i10(PA)	2011-2017		
HYUNDAI	Common area	i10(PA)	2009-2010	G 1.1 SOHC	
HYUNDAI	Common area	i10(PA)	2009-2010	G 1.2 DOHC	
HYUNDAI	Common area	i10(PA)	2008	G 1.1 SOHC	
HYUNDAI	Common area	i10(AC3)	2020-2021		
HYUNDAI	Common area	i20(GB)	2019-2021	G 1.0 T-GDI	
HYUNDAI	Common area	i20(GB)	2019-2021	G 1.2 MPI	
HYUNDAI	Common area	i20(GB)	2019-2021	G 1.4 MPI	
HYUNDAI	Common area	i20(GB)	2016-2018	G 1.0 T-GDI	
HYUNDAI	Common area	i20(GB)	2016-2018	G 1.2 MPI	
HYUNDAI	Common area	i20(GB)	2016-2018	G 1.4 MPI	
HYUNDAI	Common area	i20(GB)	2016-2018	D 1.1 TCI-U2	Throttle valve(ACV) replacement
HYUNDAI	Common area	i20(GB)	2014-2015	G 1.2 MPI	
HYUNDAI	Common area	i20(GB)	2014-2015	G 1.4 MPI	
HYUNDAI	Common area	i20(IB)	2014-2019	G 1.2 MPI	
HYUNDAI	Common area	i20(IB)	2014-2019	G 1.4 MPI	
HYUNDAI	Common area	i20(PB)	2013-2016	G 1.2/1.4 MPI	
HYUNDAI	Common area	i20(PB)	2013-2016	D 1.1/1.4 TCI-U2	Throttle valve(ACV) replacement
HYUNDAI	Common area	i20(PB)	2009-2012	G 1.2/1.4/1.6 MPI	Clear learning Value
HYUNDAI	Common area	i20(PB)	2009-2012	G 1.2/1.4/1.6 MPI	Idle Control Mode
HYUNDAI	Common area	i20(PB)	2009-2012	G 1.2/1.4/1.6 MPI	Clear learning Value
HYUNDAI	Common area	i20(PB)	2009-2012	G 1.2/1.4/1.6 MPI	Clear learning Value
HYUNDAI	Common area	i20(PB)	2009-2012	G 1.2/1.4/1.6 MPI	Idle Control Mode
HYUNDAI	Common area	i20(BC3)	2021	G 1.0 T-GDI	
HYUNDAI	Common area	i20(BC3)	2021	G 1.2 MPI	
HYUNDAI	Common area	i20(BC3)	2021	G 1.4 MPI	
HYUNDAI	Common area	i30(FDe)	2009-2012	G 1.4/1.6 MPI	Clear learning Value
HYUNDAI	Common area	i30(FDe)	2009-2012	G 2.0 MPI	Clear learning Value
HYUNDAI	Common area	i30(FDe)	2009-2012	G 2.0 MPI	Idle Control Mode
HYUNDAI	Common area	i30(GD)	2016-2018	F 1.6 MPI	
HYUNDAI	Common area	i30(GD)	2016-2018	G 1.6 MPI	

HYUNDAI	Common area	i30(GD)	2016-2018	G 1.8 MPI	
HYUNDAI	Common area	i30(GD)	2016-2018	G 2.0 MPI	
HYUNDAI	Common area	i30(GD)	2013-2015	F 1.6 MPI	
HYUNDAI	Common area	i30(GD)	2013-2015	G 1.6 MPI	
HYUNDAI	Common area	i30(GD)	2013-2015	G 1.8 MPI	
HYUNDAI	Common area	i30(GD)	2013-2015	G 2.0 MPI	
HYUNDAI	Common area	i30(GD)	2013-2015	G 1.6 GDI	
HYUNDAI	Common area	i30(GDe)	2016-2017	G 1.4 MPI	
HYUNDAI	Common area	i30(GDe)	2016-2017	G 1.6 MPI	
HYUNDAI	Common area	i30(GDe)	2016-2017	G 1.6 GDI	
HYUNDAI	Common area	i30(GDe)	2016-2017	G 1.6 T-GDI	
HYUNDAI	Common area	i30(GDe)	2013-2015	G 1.4 MPI	
HYUNDAI	Common area	i30(GDe)	2013-2015	G 1.6 MPI	
HYUNDAI	Common area	i30(GDe)	2013-2015	G 1.6 GDI	
HYUNDAI	Common area	i30(PD)	2018-2020	G 1.4 T-GDI	
HYUNDAI	Common area	i30(PD)	2018-2020	G 1.6 T-GDI	
HYUNDAI	Common area	i30(PD)	2018-2020	G 1.6 MPI	
HYUNDAI	Common area	i30(PD)	2018-2020	G 2.0 GDI	
HYUNDAI	Common area	i30(PDE)	2021	G 1.0 T-GDI	
HYUNDAI	Common area	i30(PDE)	2021	G 1.5 MPI	
HYUNDAI	Common area	i30(PDE)	2021	G 1.5 T-GDI	
HYUNDAI	Common area	i30(PDE)	2021	D 1.6 NEW-U	
HYUNDAI	Common area	i30(PDE)	2017-2020	G 1.0 T-GDI	
HYUNDAI	Common area	i30(PDE)	2017-2020	G 1.4 T-GDI	
HYUNDAI	Common area	i30(PDE)	2017-2020	G 1.4 MPI	
HYUNDAI	Common area	i30(PDE)	2017-2020	G 1.6 MPI	
HYUNDAI	Common area	i30(PDE)	2017-2020	D 1.6 TCI-NEW-U	
HYUNDAI	Common area	i30N(PDEN)	2018	G 2.0 T-GDI	
HYUNDAI	Common area	i30N(PDEN)	2019-2021	G 2.0 T-GDI	
HYUNDAI	Common area	i30/Elantra Neos(FD)	2011-2012	G 1.4 MPI	
HYUNDAI	Common area	i30/Elantra Neos(FD)	2011-2012	G 1.6 MPI	
HYUNDAI	Common area	i30/Elantra Neos(FD)	2011-2012	G 2.0 MPI	Clear learning Value
HYUNDAI	Common area	i30/Elantra Neos(FD)	2011-2012	G 2.0 MPI	Idle Control Mode
HYUNDAI	Common area	i30/Elantra Neos(FD)	2009-2010	G 1.4 MPI	
HYUNDAI	Common area	i30/Elantra Neos(FD)	2009-2010	G 1.6 MPI	
HYUNDAI	Common area	i30/Elantra Neos(FD)	2009-2010	G 2.0 MPI	Clear learning Value
HYUNDAI	Common area	i30/Elantra Neos(FD)	2009-2010	G 2.0 MPI	Idle Control Mode
HYUNDAI	Common area	i30/Elantra Neos(FD)	2008	G 1.4/1.6 MPI	Clear learning Value
HYUNDAI	Common area	i30/Elantra Neos(FD)	2008	G 1.4/1.6 MPI	Idle Control Mode
HYUNDAI	Common area	i30/Elantra Neos(FD)	2008	G 1.4/1.6 MPI	Clear learning Value
HYUNDAI	Common area	i30/Elantra Neos(FD)	2008	G 1.4/1.6 MPI	Clear learning Value
HYUNDAI	Common area	i30/Elantra Neos(FD)	2008	G 1.4/1.6 MPI	Idle Control Mode
HYUNDAI	Common area	i30/Elantra Neos(FD)	2008	G 2.0 MPI	Clear learning Value
HYUNDAI	Common area	i30/Elantra Neos(FD)	2008	G 2.0 MPI	Idle Control Mode
HYUNDAI	Common area	i40(VF)	2012-2018	G 1.6 GDI	
HYUNDAI	Common area	i40(VF)	2012-2018	G 2.0 GDI	
HYUNDAI	Common area	i40(VF)	2012-2018	G 2.0 MPI	

HYUNDAI	Common area	i40(VF)	2019	G 1.6 GDI	
HYUNDAI	Common area	i40(VF)	2019	G 2.0 GDI	
HYUNDAI	Common area	i40(VF)	2019	D 1.6 TCI-NEW-U	Throttle valve(ACV) replacement
HYUNDAI	Common area	IONIQ mix(AE HEV)	2017-2021	G 1.6 GDI HEV	
HYUNDAI	Common area	IONIQ PHEV(AE PHEV)	2017-2021	G 1.6 GDI PHEV	
HYUNDAI	Common area	ix20(JC)	2011-2019	G 1.4 MPI	
HYUNDAI	Common area	ix20(JC)	2011-2019	G 1.6 MPI	
HYUNDAI	Common area	ix35(EL)	2014-2016	G 1.6 GDI	
HYUNDAI	Common area	ix35(EL)	2014-2016	G 2.0 GDI	
HYUNDAI	Common area	ix35(EL)	2014-2016	G 2.0 MPI	
HYUNDAI	Common area	ix35(EL)	2011-2013	G 1.6 GDI	
HYUNDAI	Common area	ix35(EL)	2011-2013	G 2.0 MPI	
HYUNDAI	Common area	ix35(EL)	2010	G 2.0 MPI	
HYUNDAI	Common area	Kona(OS)	2018	G 1.0 T-GDI	
HYUNDAI	Common area	Kona(OS)	2018	G 1.6 T-GDI	
HYUNDAI	Common area	Kona(OS)	2018	G 2.0 MPI	
HYUNDAI	Common area	Kona(OS)	2019-2020	G 1.0 T-GDI	
HYUNDAI	Common area	Kona(OS)	2019-2020	G 1.6 T-GDI	
HYUNDAI	Common area	Kona(OS)	2019-2020	G 2.0 MPI	
HYUNDAI	Common area	Kona(OS)	2019-2020	D 1.6 TCI-NEW-U	Throttle valve(ACV) replacement
HYUNDAI	Common area	Kona Hybrid(OS HEV)	2020		
HYUNDAI	Common area	Matrix(FC)	2002-2011	G 1.8 DOHC	Clear learning Value
HYUNDAI	Common area	Matrix(FC)	2002-2011	G 1.8 DOHC	Idle Control Mode
HYUNDAI	Common area	Palisade(LX2)	2020-2021	G 3.5 MPI	
HYUNDAI	Common area	Palisade(LX2)	2020-2021	G 3.8 GDI	
HYUNDAI	Common area	Reina(CB)	2020-2021	G 1.4 MPI	
HYUNDAI	Common area	Santafe(TM)	2019-2020	G 3.5 MPI	
HYUNDAI	Common area	Santafe(TM)	2019-2020	G 2.4 MPI	
HYUNDAI	Common area	Santafe(TM)	2019-2020	G 2.4 GDI	
HYUNDAI	Common area	Santafe(TMA)	2019-2020	G 2.4 GDI	
HYUNDAI	Common area	Santafe(TMA)	2019-2020	G 2.0 T-GDI	
HYUNDAI	Common area	Santro(AH2)	2019-2021	G 1.1 MPI	
HYUNDAI	Common area	Santro(AH2)	2019-2021	G 1.0 MPI	
HYUNDAI	Common area	Santafe Sport(DMA)	2017-2018	G 2.0 T-GDI	
HYUNDAI	Common area	Santafe Sport(DMA)	2017-2018	G 2.4 GDI	
HYUNDAI	Common area	Santafe Sport(DMA)	2013-2016	G 2.0 T-GDI	
HYUNDAI	Common area	Santafe Sport(DMA)	2013-2016	G 2.4 GDI	
HYUNDAI	Common area	Santafe(CM)	2010-2013	G 2.4 MPI	Clear learning Value
HYUNDAI	Common area	Santafe(CM)	2010-2013	G 2.4 MPI	Idle Control Mode
HYUNDAI	Common area	Santafe(DM)	2016-2018	G 2.4 GDI	
HYUNDAI	Common area	Santafe(DM)	2016-2018	G 2.4 MPI	
HYUNDAI	Common area	Santafe(DM)	2016-2018	D 2.0/2.2 TCI-R	Throttle valve(ACV) replacement
HYUNDAI	Common area	Santafe(DM)	2013-2015	G 2.4 GDI	
HYUNDAI	Common area	Santafe(DM)	2013-2015	G 2.4 MPI	

HYUNDAI	Common area	Santafe(SM)	2001-2006	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Santafe(SM)	2001-2006	G 2.7 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata Hybrid(LF HEV)	2015-2020	G 2.0 HEV	
HYUNDAI	Common area	Sonata Hybrid(LF HEV)-U.S.	2016-2018	G 2.0 HEV	
HYUNDAI	Common area	Sonata Hybrid(YF HEV)	2014-2015	G 2.4 HEV	
HYUNDAI	Common area	Sonata Hybrid(YF HEV)-U.S.	2014	G 2.4 HEV	
HYUNDAI	Common area	Sonata Hybrid(YF HEV US)-U.S.	2013	G 2.4 HEV	
HYUNDAI	Common area	Sonata(DN8)	2020-2021	G 1.6 T-GDI	
HYUNDAI	Common area	Sonata(DN8)	2020-2021	G 2.0 MPI	
HYUNDAI	Common area	Sonata(DN8)	2020-2021	G 2.5 MPI	
HYUNDAI	Common area	Sonata(DN8)	2020-2021	G 2.5 T-GDI	
HYUNDAI	Common area	Sonata Hybrid(DN8 HEV)	2020-2021		
HYUNDAI	Common area	Sonata(DN8A)-For Mexico	2020	G 1.6 T-GDI	
HYUNDAI	Common area	Sonata(DN8A)-For Mexico	2020	G 2.5 GDI	
HYUNDAI	Common area	Sonata(EF)	2006	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(EF)	2006	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(EF)	2005	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(EF)	2005	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(EF)	2005	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(EF)	2005	G 2.7 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(EF)	2004	G 2.0/2.4 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(EF)	2004	G 2.0/2.4 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(EF)	2004	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(EF)	2004	G 2.7 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(EF)	2003	G 2.0/2.4 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(EF)	2003	G 2.0/2.4 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(EF)	2003	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(EF)	2003	G 2.7 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(EF)	2002	G 2.0/2.4 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(EF)	2002	G 2.0/2.4 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(EF)	2002	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(EF)	2002	G 2.7 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(EF)	2002	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(EF)	2002	G 2.7 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(EF)	2002	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(EF)	2002	G 2.7 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(EF)	2002	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(EF)	2002	G 2.7 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(EF)	2002	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(EF)	2002	G 2.7 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(EF)	1999-2001	G 2.0/2.4 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(EF)	1999-2001	G 2.0/2.4 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(EF)	1999-2001	G 2.5/2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(EF)	1999-2001	G 2.5/2.7 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(EF)	1999-2001	G 2.5/2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(EF)	1999-2001	G 2.5/2.7 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(EF)	1999-2001	G 2.5/2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(EF)	1999-2001	G 2.5/2.7 DOHC	Idle Control Mode

HYUNDAI	Common area	Sonata(EF)	1999-2001	G 2.5/2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(LF)	2018-2020	G 1.6 T-GDI	
HYUNDAI	Common area	Sonata(LF)	2018-2020	G 2.0 MPI	
HYUNDAI	Common area	Sonata(LF)	2018-2020	G 2.4 MPI	
HYUNDAI	Common area	Sonata(LF)	2018-2020	G 2.0 T-GDI	
HYUNDAI	Common area	Sonata(LF)	2018-2020	G 2.4 GDI	
HYUNDAI	Common area	Sonata(LF)	2017	G 1.6 T-GDI	
HYUNDAI	Common area	Sonata(LF)	2017	G 2.0 MPI	
HYUNDAI	Common area	Sonata(LF)	2017	G 2.4 MPI	
HYUNDAI	Common area	Sonata(LF)	2017	G 2.0 T-GDI	
HYUNDAI	Common area	Sonata(LF)	2017	G 2.4 GDI	
HYUNDAI	Common area	Sonata(LFA)	2018-2019	G 1.6 T-GDI	
HYUNDAI	Common area	Sonata(LFA)	2018-2019	G 2.0 T-GDI	
HYUNDAI	Common area	Sonata(LFA)	2018-2019	G 2.4 GDI	
HYUNDAI	Common area	Sonata(LFA)	2015-2017	G 1.6 T-GDI	
HYUNDAI	Common area	Sonata(LFA)	2015-2017	G 2.0 T-GDI	
HYUNDAI	Common area	Sonata(LFA)	2015-2017	G 2.4 GDI	
HYUNDAI	Common area	Sonata(NF)	2009-2010	G 2.0 DOHC	
HYUNDAI	Common area	Sonata(NF)	2009-2010	G 2.4 DOHC	
HYUNDAI	Common area	Sonata(NF)	2005-2008	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(NF)	2005-2008	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(NF)	2005-2008	G 2.4 DOHC	Clear learning Value
HYUNDAI	Common area	Sonata(NF)	2005-2008	G 2.4 DOHC	Idle Control Mode
HYUNDAI	Common area	Sonata(YFI)	2012-2015	G 2.4 GDI	
HYUNDAI	Common area	Sonata(YFA)-U.S.	2011-2014	G 2.0 T-GDI	
HYUNDAI	Common area	Sonata(YFA)-U.S.	2011-2014	G 2.4 GDI	
HYUNDAI	Common area	Sonata/i45(YF)	2013-2015	G 2.0 MPI	
HYUNDAI	Common area	Sonata/i45(YF)	2013-2015	G 2.4 MPI	
HYUNDAI	Common area	Sonata/i45(YF)	2013-2015	G 2.4 GDI	
HYUNDAI	Common area	Sonata/i45(YF)	2011-2012	G 2.0 MPI	
HYUNDAI	Common area	Sonata/i45(YF)	2011-2012	G 2.4 MPI	
HYUNDAI	Common area	Sonata/i45(YF)	2011-2012	G 2.4 GDI	
HYUNDAI	Common area	Trajet XG(FO)	2005-2007	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	Trajet XG(FO)	2005-2007	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Trajet XG(FO)	2005-2007	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Trajet XG(FO)	2005-2007	G 2.7 DOHC	Idle Control Mode
HYUNDAI	Common area	Trajet XG(FO)	2004	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	Trajet XG(FO)	2004	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Trajet XG(FO)	2004	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Trajet XG(FO)	2004	G 2.7 DOHC	Idle Control Mode
HYUNDAI	Common area	Trajet XG(FO)	2003	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Trajet XG(FO)	2003	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Trajet XG(FO)	2003	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Trajet XG(FO)	2003	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Trajet XG(FO)	2003	G 2.7 DOHC	Idle Control Mode
HYUNDAI	Common area	Trajet XG(FO)	2003	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Trajet XG(FO)	2003	G 2.7 DOHC	Idle Control Mode

HYUNDAI	Common area	Trajet XG(FO)	1999-2002	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Tucson FFV(JM FFV)	2012-2013	F 2.0 E-FFV	
HYUNDAI	Common area	Tucson FFV(JM FFV)	2008-2010	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	Tucson FFV(JM FFV)	2008-2010	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Tucson FFV(JM FFV)	2008-2010	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	Tucson FFV(JM FFV)	2008-2010	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Tucson FFV(JM FFV)	2008-2010	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	Tucson FFV(JM FFV)	2008-2010	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Tucson FFV(JM FFV)	2008-2010	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	Tucson FFV(JM FFV)	2008-2010	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Tucson FFV(JM FFV)	2008-2010	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Tucson FFV(JM FFV)	2008-2010	G 2.7 DOHC	Idle Control Mode
HYUNDAI	Common area	Tucson FFV(JM FFV)	2005-2007	G 2.0 DOHC	Clear learning Value
HYUNDAI	Common area	Tucson FFV(JM FFV)	2005-2007	G 2.0 DOHC	Idle Control Mode
HYUNDAI	Common area	Tucson FFV(JM FFV)	2005-2007	G 2.7 DOHC	Clear learning Value
HYUNDAI	Common area	Tucson FFV(JM FFV)	2005-2007	G 2.7 DOHC	Idle Control Mode
HYUNDAI	Common area	Tucson(LM)-Brazil	2017-2018	F 2.0 MPI	
HYUNDAI	Common area	Tucson/ix35(LM)	2014-2016	F 2.0 MPI	
HYUNDAI	Common area	Tucson/ix35(LM)	2014-2016	G 2.0 MPI	
HYUNDAI	Common area	Tucson/ix35(LM)	2014-2016	G 2.4 MPI	
HYUNDAI	Common area	Tucson/ix35(LM)	2014-2016	G 2.0 GDI	
HYUNDAI	Common area	Tucson/ix35(LM)	2014-2016	G 2.4 GDI	
HYUNDAI	Common area	Tucson/ix35(LM)	2012-2013	F 2.0 MPI	
HYUNDAI	Common area	Tucson/ix35(LM)	2012-2013	G 2.0 MPI	
HYUNDAI	Common area	Tucson/ix35(LM)	2012-2013	G 2.4 MPI	
HYUNDAI	Common area	Tucson/ix35(LM)	2012-2013	G 1.6 GDI	
HYUNDAI	Common area	Tucson/ix35(LM)	2011	G 1.6 GDI	
HYUNDAI	Common area	Tucson/ix35(LM)	2011	G 2.0 MPI	
HYUNDAI	Common area	Tucson/ix35(LM)	2011	G 2.4 MPI	
HYUNDAI	Common area	Tucson/ix35(LM)	2010	G 2.0 MPI	
HYUNDAI	Common area	Tucson/ix35(LM)	2010	G 2.4 MPI	
HYUNDAI	Common area	Tucson(TL)	2015-2018	F 2.0 MPI	
HYUNDAI	Common area	Tucson(TL)	2015-2018	G 2.0 MPI	
HYUNDAI	Common area	Tucson(TL)	2015-2018	G 2.0 GDI	
HYUNDAI	Common area	Tucson(TL)	2015-2018	G 1.6 T-GDI	
HYUNDAI	Common area	Tucson(TL)	2015-2018	D 2.0 TCI-R	Throttle valve(ACV) replacement
HYUNDAI	Common area	Tucson(TL)	2019-2021	G 2.0 MPI	
HYUNDAI	Common area	Tucson(TL)	2019-2021	G 2.0 GDI	
HYUNDAI	Common area	Tucson(TL)	2019-2021	G 1.6 T-GDI	
HYUNDAI	Common area	Tucson(TL)	2019-2021	D 2.0 TCI-R	Throttle valve(ACV) replacement
HYUNDAI	Common area	Tucson(TLe)	2015-2018	G 1.6 T-GDI	
HYUNDAI	Common area	Tucson(TLe)	2015-2018	G 1.6 GDI	
HYUNDAI	Common area	Tucson(TLe)	2015-2018	G 2.4 GDI	
HYUNDAI	Common area	Tucson(TLe)	2015-2018	G 2.0 MPI	

HYUNDAI	Common area	Tucson(TLe)	2015-2018	D 2.0 TCI-R	Throttle valve(ACV) replacement
HYUNDAI	Common area	Tucson(TLe)	2019-2021	G 1.6 T-GDI	
HYUNDAI	Common area	Tucson(TLe)	2019-2021	G 1.6 GDI	ECM(AFTER FL)
HYUNDAI	Common area	Tucson(TLe)	2019-2021	G 1.6 GDI	ECM(BEFORE FL)
HYUNDAI	Common area	Tucson(TLe)	2019-2021	G 2.4 GDI	
HYUNDAI	Common area	Tucson(TLe)	2019-2021	G 2.0 MPI	
HYUNDAI	Common area	Tucson(TLe)	2019-2021	D 2.0 TCI-R/MHEV	Throttle valve(ACV) replacement
HYUNDAI	Common area	Tucson(TLe)	2019-2021	D 1.6 TCI-NEW-U/MHEV	Throttle valve(ACV) replacement
HYUNDAI	Common area	Tucson(TLI)	2017-2021	G 2.0 MPI	
HYUNDAI	Common area	Tucson(TLI)	2017-2021	D 2.0 TCI-R	Throttle valve(ACV) replacement
HYUNDAI	Common area	VELOSTER(FS)	2013-2018	G 1.6 MPI	
HYUNDAI	Common area	VELOSTER(FS)	2013-2018	G 1.6 GDI	
HYUNDAI	Common area	VELOSTER(FS)	2013-2018	G 1.6 T-GDI	
HYUNDAI	Common area	VELOSTER(FS)	2011-2012	G 1.6 MPI	
HYUNDAI	Common area	VELOSTER(FS)	2011-2012	G 1.6 GDI	
HYUNDAI	Common area	Verna(RBI)	2011-2017	G 1.4 MPI	
HYUNDAI	Common area	Verna(RBI)	2011-2017	G 1.6 MPI	
HYUNDAI	Common area	Veloster N(JSN)	2019-2021	G 2.0 T-GDI	
HYUNDAI	Common area	Veloster(JS)	2019-2021	G 2.0 MPI	
HYUNDAI	Common area	Veloster(JS)	2019-2021	G 1.6 T-GDI	
HYUNDAI	Common area	Venue(QX)	2020-2021	G 1.6 MPI GAMMA	
HYUNDAI	Common area	Venue(QX)	2020-2021	G 1.6 MPI GAMMA 2	
HYUNDAI	Common area	Venue(QXI)	2019-2021	D 1.5 TCI-U2(BS6)	Throttle (ACV) valve change
HYUNDAI	Common area	Venue(QXI)	2019-2021	G 1.0 T-GDI	
HYUNDAI	Common area	Venue(QXI)	2019-2021	G 1.2 MPI	
HYUNDAI	America	Accent(HC)	2018-2021		
HYUNDAI	America	Accent(MC)	2006-2011	G 1.6 DOHC	
HYUNDAI	America	Accent(RB)	2012-2017	G 1.6 GDI	
HYUNDAI	America	Elantra(AD)	2017-2020	G 1.6 T-GDI	
HYUNDAI	America	Elantra(AD)	2017-2020	G 2.0 MPI	
HYUNDAI	America	Elantra(ADA)	2017-2020	G 1.4 T-GDI	
HYUNDAI	America	Elantra(ADA)	2017-2020	G 2.0 MPI	
HYUNDAI	America	Elantra GT(PD)	2018-2021	G 1.6 T-GDI	
HYUNDAI	America	Elantra GT(PD)	2018-2021	G 2.0 GDI	
HYUNDAI	America	Elantra(MD)	2014-2016	G 1.8 MPI	
HYUNDAI	America	Elantra(MD)	2014-2016	G 2.0 GDI	
HYUNDAI	America	Elantra(MD)	2011-2013	G 1.8 MPI	
HYUNDAI	America	Elantra(UD)	2011-2016	G 1.8 MPI	
HYUNDAI	America	Elantra(XD)	2001-2006	Clear learning value	
HYUNDAI	America	Elantra(XD)	2001-2006	Idle speed Rpm control mode	Type 1
HYUNDAI	America	Elantra(XD)	2001-2006	Idle speed Rpm control mode	Type 2
HYUNDAI	America	Elantra Coupe(JK)	2013		
HYUNDAI	America	Elantra Coupe(JK)	2014-2015	G 1.8 MPI	

HYUNDAI	America	Elantra Coupe(JK)	2014-2015	G 2.0 GDI	
HYUNDAI	America	Elantra GT(GD)	2013		
HYUNDAI	America	Elantra GT(GD)	2014-2017	G 1.8 MPI	
HYUNDAI	America	Elantra GT(GD)	2014-2017	G 2.0 GDI	
HYUNDAI	America	Elantra Touring(FD)	2009-2012	Clear learning Value	
HYUNDAI	America	Elantra Touring(FD)	2009-2012	Idle Control Mode	
HYUNDAI	America	Entourage(EP)	2007-2010		
HYUNDAI	America	Equus(VI)	2012-2016	G 5.0 GDI	
HYUNDAI	America	Equus(VI)	2011	G 4.6 MPI	
HYUNDAI	America	G80(DH)	2018-2020	G 3.3 T-GDI	
HYUNDAI	America	G80(DH)	2018-2020	G 3.8 GDI	
HYUNDAI	America	G80(DH)	2018-2020	G 5.0 GDI	
HYUNDAI	America	G80(DH)	2017	G 5.0 GDI	
HYUNDAI	America	G80(RG3)	2021	G2.5 T-GDI	
HYUNDAI	America	G80(RG3)	2021	G3.5 T-GDI	
HYUNDAI	America	GV80(JX1)	2021	G2.5 T-GDI	
HYUNDAI	America	GV80(JX1)	2021	G3.5 T-GDI	
HYUNDAI	America	G90(HI)	2017-2019	G 3.3 T-GDI	
HYUNDAI	America	G90(HI)	2017-2019	G 5.0 GDI	
HYUNDAI	America	G90(HI)	2020-2021	G 3.3 T-GDI	
HYUNDAI	America	G90(HI)	2020-2021	G 3.8 GDI	
HYUNDAI	America	G90(HI)	2020-2021	G 5.0 GDI	
HYUNDAI	America	G70(IK)	2019-2021	G 2.0/3.3 T-GDI	
HYUNDAI	America	Genesis(BH)	2012-2014	G 4.6 MPI	
HYUNDAI	America	Genesis(BH)	2012-2014	G 5.0 GDI	
HYUNDAI	America	Genesis(BH)	2009-2011	G 4.6 MPI	
HYUNDAI	America	Genesis(DH)	2015-2017	G 5.0 GDI	
HYUNDAI	America	Genesis Coupe(BK)	2013-2017	G 2.0 T-MPI	
HYUNDAI	America	Genesis Coupe(BK)	2010-2012	G 2.0 T-MPI	
HYUNDAI	America	IONIQ mix(AE HEV)	2017-2021	G 1.6 GDI HEV	
HYUNDAI	America	IONIQ PHEV(AE PHEV)	2018-2021	G 1.6 GDI PHEV	
HYUNDAI	America	Kona(OS)	2018-2021	G 1.6 T-GDI	
HYUNDAI	America	Kona(OS)	2018-2021	G 2.0 MPI	
HYUNDAI	America	Palisade(LX2)	2020-2021	G 3.8 GDI	
HYUNDAI	America	Santafe(TMA)	2019-2021	G 2.4 GDI	
HYUNDAI	America	Santafe(TMA)	2019-2021	G 2.0 T-GDI	
HYUNDAI	America	Santafe(SM)	2003-2006	G 2.7 DOHC	Clear learning Value
HYUNDAI	America	Santafe(SM)	2003-2006	G 2.7 DOHC	Idle Control Mode
HYUNDAI	America	Santafe Sport(DMA)	2017-2018	G 2.0 T-GDI	
HYUNDAI	America	Santafe Sport(DMA)	2017-2018	G 2.4 GDI	
HYUNDAI	America	Santafe Sport(DMA)	2013-2016	G 2.0 T-GDI	
HYUNDAI	America	Santafe Sport(DMA)	2013-2016	G 2.4 GDI	
HYUNDAI	America	Sonata HEV(LF HEV)	2016-2019	G 2.0 HEV	
HYUNDAI	America	Sonata PHEV(LF PHEV)	2016-2019	G 2.0 HEV	
HYUNDAI	America	Sonata(LFA)	2018-2019	G 1.6 T-GDI	
HYUNDAI	America	Sonata(LFA)	2018-2019	G 2.0 T-GDI	
HYUNDAI	America	Sonata(LFA)	2018-2019	G 2.4 GDI	



HYUNDAI	America	Sonata(LFA)	2015-2017	G 1.6 T-GDI	
HYUNDAI	America	Sonata(LFA)	2015-2017	G 2.0 T-GDI	
HYUNDAI	America	Sonata(LFA)	2015-2017	G 2.4 GDI	
HYUNDAI	America	Sonata(YFA)	2011-2014	G 2.0 T-GDI	
HYUNDAI	America	Sonata(YFA)	2011-2014	G 2.4 GDI	
HYUNDAI	America	Sonata(NF)	2006-2010	G 2.4 DOHC	Clear learning Value
HYUNDAI	America	Sonata(NF)	2006-2008	G 2.4 DOHC	Idle Control Mode
HYUNDAI	America	Sonata(EF)	2002-2005	G 2.7 DOHC	Clear learning Value
HYUNDAI	America	Sonata(EF)	2002-2005	G 2.7 DOHC	Idle Control Mode
HYUNDAI	America	Sonata(EF)	1999-2001	G 2.5 DOHC	Clear learning Value
HYUNDAI	America	Sonata(EF)	1999-2001	G 2.5 DOHC	Idle Control Mode
HYUNDAI	America	Sonata Hybrid(YF HEV)	2011-2015	G 2.4 HEV	
HYUNDAI	America	Sonata Hybrid(DN8 HEV)	2020-2021		
HYUNDAI	America	Sonata(DN8A)	2020-2021	G1.6 T-GDI	
HYUNDAI	America	Sonata(DN8A)	2020-2021	G2.5 GDI	
HYUNDAI	America	Tucson(TL)	2016-2018	G 1.6 T-GDI	
HYUNDAI	America	Tucson(TL)	2016-2018	G 2.0 GDI	
HYUNDAI	America	Tucson(TL)	2016-2018	G 2.4 GDI	
HYUNDAI	America	Tucson(TL)	2019-2021	G 1.6 T-GDI	
HYUNDAI	America	Tucson(TL)	2019-2021	G 2.0 GDI	
HYUNDAI	America	Tucson(TL)	2019-2021	G 2.4 GDI	
HYUNDAI	America	Tiburon(GK)	2003-2006	G 2.0 DOHC	Clear learning Value
HYUNDAI	America	Tiburon(GK)	2003-2008	G 2.7 DOHC	Clear learning Value
HYUNDAI	America	Tiburon(GK)	2004-2006	G 2.0 DOHC	Idle Control Mode
HYUNDAI	America	Tiburon(GK)	2003	G 2.0 DOHC	Idle Control Mode
HYUNDAI	America	Tiburon(GK)	2003-2008	G 2.7 DOHC	Idle Control Mode
HYUNDAI	America	Tucson(LM)	2014-2015	G 2.0 GDI	
HYUNDAI	America	Tucson(LM)	2014-2015	G 2.4 GDI	
HYUNDAI	America	Tucson(LM)	2010-2013	G 2.0/2.4 MPI	
HYUNDAI	America	Tucson(JM)	2007-2009	G 2.0 DOHC	Clear learning Value
HYUNDAI	America	Tucson(JM)	2007-2009	G 2.0 DOHC	Idle Control Mode
HYUNDAI	America	Tucson(JM)	2007-2009	G 2.7 DOHC	Clear learning Value
HYUNDAI	America	Tucson(JM)	2007-2009	G 2.7 DOHC	Idle Control Mode
HYUNDAI	America	Tucson(JM)	2005/2006	G 2.0 DOHC	Clear learning Value
HYUNDAI	America	Tucson(JM)	2005/2006	G 2.0 DOHC	Idle Control Mode
HYUNDAI	America	Tucson(JM)	2005/2006	G 2.7 DOHC	Clear learning Value
HYUNDAI	America	Tucson(JM)	2005/2006	G 2.7 DOHC	Idle Control Mode
HYUNDAI	America	VELOSTER(FS)	2013-2018	G 1.6 GDI	
HYUNDAI	America	VELOSTER(FS)	2013-2018	G 1.6 T-GDI	
HYUNDAI	America	VELOSTER(FS)	2012	G 1.6 GDI	
HYUNDAI	America	Veloster N(JSN)	2019-2021	G 2.0 T-GDI	
HYUNDAI	America	Veloster(JS)	2019-2021	G 2.0 MPI	
HYUNDAI	America	Veloster(JS)	2019-2021	G 1.6 T-GDI	
HYUNDAI	America	Venue(QX)	2020-2021		
HYUNDAI	Prompt(Tip)				
KIA	Dongfeng Yueda KIA	FORTE(ND)	2017-2020	G 1.6 Gamma MPI	
KIA	Dongfeng Yueda KIA	K2(QBC)	2011-2019	G 1.6 MPI GAMMA	

KIA	Dongfeng Yueda KIA	K2(QBC)	2011-2019	G1.4 MPI KAPPA	
KIA	Dongfeng Yueda KIA	K2(UC)	2016-2020		
KIA	Dongfeng Yueda KIA	K3(BDC)	2019-2022	G 1.4 T-GDI	
KIA	Dongfeng Yueda KIA	K3(BDC)	2019-2022	G 1.5 MPI	
KIA	Dongfeng Yueda KIA	K3(YD)	2014-	G 1.6 T-GDI	
KIA	Dongfeng Yueda KIA	K3(YD)	2014-	G 2.0 NU MPI	
KIA	Dongfeng Yueda KIA	K3(YDC)	2012-2015		
KIA	Dongfeng Yueda KIA	K3(YDC)	2016-2018	G 1.4 T-GDI KAPPA	
KIA	Dongfeng Yueda KIA	K3(YDC)	2016-2018	G 1.6 MPI GAMMA	
KIA	Dongfeng Yueda KIA	K3(YDC)	2016-2018	G 1.8 DOHC	
KIA	Dongfeng Yueda KIA	K3(YDC)	2019	G 1.4 T-GDI KAPPA	
KIA	Dongfeng Yueda KIA	K3(YDC)	2019	G 1.6 MPI GAMMA	
KIA	Dongfeng Yueda KIA	K3 PHEV(BDC PHEV)	2019-2021	G 1.6 GDI KAPPA	
KIA	Dongfeng Yueda KIA	K4(PFC)	2014-2016		
KIA	Dongfeng Yueda KIA	K4(PFC)	2017-2020	Type1(NU)	
KIA	Dongfeng Yueda KIA	K4(PFC)	2017-2020	Type2(Gamma)	
KIA	Dongfeng Yueda KIA	K5 HEV(JFC HEV)	2013-2015		
KIA	Dongfeng Yueda KIA	K5 HEV(JFC HEV)	2016-2021		
KIA	Dongfeng Yueda KIA	K5 PHEV(JFC PHEV)	2017-2021		
KIA	Dongfeng Yueda KIA	K5(DL3C)	2020-2021	G 2.0 T-GDI NU PE	
KIA	Dongfeng Yueda KIA	K5(DL3C)	2020-2021	G 1.5 T-GDI GAMMA II	
KIA	Dongfeng Yueda KIA	K5(JFC)	2015-2018	G 1.6 T-GDI GAMMA	
KIA	Dongfeng Yueda KIA	K5(JFC)	2015-2018	G 2.0 MPI NU	
KIA	Dongfeng Yueda KIA	K5(JFC)	2015-2018	G 2.0 T-GDI THETA II	
KIA	Dongfeng Yueda KIA	K5(JFC)	2019-2020	G 1.6 T-GDI GAMMA	
KIA	Dongfeng Yueda KIA	K5(JFC)	2019-2020	G 2.0 MPI NU	
KIA	Dongfeng Yueda KIA	K5(JFC)	2019-2020	G 2.0 T-GDI THETA II	
KIA	Dongfeng Yueda KIA	K5(TFC)	2011-2012		
KIA	Dongfeng Yueda KIA	K5(TFC)	2013-2017	G 2.0 MPI NU	
KIA	Dongfeng Yueda KIA	K5(TFC)	2013-2017	G 2.0 T-GDI THETA II	
KIA	Dongfeng Yueda KIA	K5(TFC)	2013-2017	G 2.4 MPI THETA II	
KIA	Dongfeng Yueda KIA	KX1(QE)	2018-2022	G 1.4 MPI KAPPA	
KIA	Dongfeng Yueda KIA	KX3(KC)	2015-2017		
KIA	Dongfeng Yueda KIA	KX3(KC)	2018-2019	G 1.6 T-GDI GAMMA	
KIA	Dongfeng Yueda KIA	KX3(KC)	2018-2019	G 1.6 MPI GAMMA	
KIA	Dongfeng Yueda KIA	KX5(QLC)	2016-2019		
KIA	Dongfeng Yueda KIA	KX5(QLC)	2020-2021	G 1.6 T-GDI	
KIA	Dongfeng Yueda KIA	KX5(QLC)	2020-2021	G 2.0 GDI-NU	
KIA	Dongfeng Yueda KIA	KX7(QMC)	2017-2021	G 2.0 GDI NU	
KIA	Dongfeng Yueda KIA	KX7(QMC)	2017-2021	G 2.0 T-GDI THETA II	
KIA	Dongfeng Yueda KIA	KX7(QMC)	2017-2021	G 2.4 GDI THETA	
KIA	Dongfeng Yueda KIA	PEGAS(AB)	2017-2022		
KIA	Dongfeng Yueda KIA	Sportage R (SLC)	2010-2013	G 2.0 DOHC	Type1(NU)
KIA	Dongfeng Yueda KIA	Sportage R (SLC)	2010-2013	G 2.0 DOHC	Type2
KIA	Dongfeng Yueda KIA	Sportage R (SLC)	2010-2013	G 2.4 DOHC	
KIA	Dongfeng Yueda KIA	Sportage R (SLC)	2014	G 2.0 MPI NU	
KIA	Dongfeng Yueda KIA	Sportage R (SLC)	2014	G 2.4 MPI THETA II	Type1(NU)

KIA	Dongfeng Yueda KIA	Sportage R (SLC)	2014	G 2.4 MPI THETA II	Type2
KIA	Dongfeng Yueda KIA	Sportage R (SLC)	2015-2019	G 2.0 MPI NU	
KIA	Dongfeng Yueda KIA	Sportage R (SLC)	2015-2019	G 2.4 MPI THETA II	
KIA	Dongfeng Yueda KIA	Forte(TDC)	2013-2020		
KIA	Dongfeng Yueda KIA	Forte(TDC)	2009-2012	G 1.6 DOHC	
KIA	Dongfeng Yueda KIA	Forte(TDC)	2009-2012	G 2.0 DOHC	
KIA	Dongfeng Yueda KIA	JiaHua(GQ)	2006-2010	G 2.7 DOHC	
KIA	Dongfeng Yueda KIA	Carnival(KA4C)	2021	G 2.0 T-GDI	
KIA	Dongfeng Yueda KIA	RIO(JBC)	2007-2014		
KIA	Dongfeng Yueda KIA	Cerato(LDC)	2016-2018	G 1.6 MPI	
KIA	Dongfeng Yueda KIA	Cerato(LDC)	2005-2015	G 1.6 DOHC	
KIA	Dongfeng Yueda KIA	Cerato(LDC)	2005-2015	G 1.8 DOHC	Clear learning Value
KIA	Dongfeng Yueda KIA	Cerato(LDC)	2005-2015	G 1.8 DOHC	Idle Control Mode
KIA	Dongfeng Yueda KIA	Sportage(KMC)	2007-2016		Clear learning Value
KIA	Dongfeng Yueda KIA	Sportage(KMC)	2007-2016		Idle Control Mode
KIA	Dongfeng Yueda KIA	Soul(AMC)	2010-2015	G 1.6 DOHC	
KIA	Dongfeng Yueda KIA	Soul(AMC)	2010-2015	G 2.0 DOHC	
KIA	Dongfeng Yueda KIA	YuanJian(MSC)	2004-2014		
KIA	Dongfeng Yueda KIA	New Sportage	2018	G 2.0 MPI NU	
KIA	Dongfeng Yueda KIA	New Sportage	2019-2020	G 1.4 T-GDI	
KIA	Dongfeng Yueda KIA	New Sportage	2019-2020	G 2.0 MPI NU	
KIA	Dongfeng Yueda KIA	New Sportage	2021	G 1.5T-GDIGAMMAII	
KIA	Dongfeng Yueda KIA	New Sportage	2021	G 2.0 MPI	
KIA	Dongfeng Yueda KIA	NEW KX3(SP2C)	2019-2021	G 1.5MPI GAMMAII	
KIA	Common area	Cadenza(VG)	2012	G 2.4 DOHC	
KIA	Common area	Cadenza(VG)	2012	G 3.0 Double overhead camshaft	
KIA	Common area	Cadenza(VG)	2013	G 3.0 Double overhead camshaft	
KIA	Common area	Cadenza(VG)	2013	G 2.4 DOHC	
KIA	Common area	Cadenza(VG)	2013	G 2.4 MPI-THETA2	
KIA	Common area	Cadenza(VG)	2014-2016	G 2.4 MPI-THETA2	
KIA	Common area	Cadenza(YG)	2017-2018	G 3.3 GDI	
KIA	Common area	Cadenza(YG)	2019	G 3.3 GDI	
KIA	Common area	Cadenza(YG)	2020-2021	G 3.3 GDI	
KIA	Common area	Cadenza(YG)	2020-2021	G 3.5 MPI	
KIA	Common area	VQ	2006-2009	G 2.7 Double overhead camshaft	
KIA	Common area	VQ	2006-2009	G 3.8 DOHC	
KIA	Common area	VQ	2010	G 2.7 Double overhead camshaft	
KIA	Common area	VQ	2010	D 2.2 TCI-R	Throttle valve replacement
KIA	Common area	VQ	2010	G 3.8 DOHC	
KIA	Common area	VQ	2011-2015	G 2.7 Double overhead camshaft	
KIA	Common area	VQ	2011-2015	D 2.2 TCI-R	Throttle valve replacement
KIA	Common area	Carens(RP)	2016-2019	G 2.0 MPI-NU	
KIA	Common area	Carens(RP)	2016-2019	G 2.0 GDI-NU	
KIA	Common area	Carens(RP)	2016-2019	G 1.6 GDI	
KIA	Common area	Carens(RP)	2016-2019	D 1.7 TCI-U2	Throttle valve(ACV) replacement

KIA	Common area	NEW Sedona(YP)	2015-2018	D 2.2 TCI-R	Throttle valve(ACV) replacement
KIA	Common area	NEW Sedona(YP)	2019-2020	G 3.3 MPI	
KIA	Common area	NEW Sedona(YP)	2019-2020	G 3.3 GDI	
KIA	Common area	NEW Sedona(YP)	2019-2020	D 2.2 TCI-R	Throttle valve(ACV) replacement
KIA	Common area	Sedona(YP)-Israel	2019-2021	G 3.3 GDI	
KIA	Common area	Carnival(YPI)	2020-2021		Throttle (ACV) valve change
KIA	Common area	Cee'd(JD)	2016-2018	G 1.6 T-GDI	
KIA	Common area	Cee'd(JD)	2016-2018	G 1.6 MPI	
KIA	Common area	Cee'd(JD)	2016-2018	G 1.6 GDI	
KIA	Common area	Cee'd(JD)	2016-2018	G 1.4 MPI	
KIA	Common area	Cee'd(JD)	2016-2018	G 1.0 T-GDI	
KIA	Common area	Cee'd(JD)	2016-2018	D 1.6 TCI-U2	Throttle valve(ACV) replacement
KIA	Common area	Cee'd(JD)	2016-2018	D 1.4 TCI-U2	Throttle valve(ACV) replacement
KIA	Common area	Cee'd(ED)	2010-2013	G 2.0 DOHC	
KIA	Common area	Cee'd(ED)	2010-2013	G 1.4/1.6 DOHC	
KIA	Common area	Cee'd(ED)	2010-2013	D 1.6 TCI-U2	Throttle valve replacement
KIA	Common area	Cee'd(CD)	2019-2020	G 1.0/1.4/1.6 T-GDI	
KIA	Common area	Cee'd(CD)	2019-2020	G 1.4/1.6 MPI	
KIA	Common area	Cee'd(CD)	2019-2020	D 1.6 TCI-NEW U	Throttle (ACV) valve change
KIA	Common area	Ceed PHEV	2020	G 1.6 GDI	
KIA	Common area	Cerato/Forte(BD)	2019-2020	G 2.0 MPI NU	
KIA	Common area	Cerato/Forte(BD)	2019-2020	G 1.6 T-GDI	
KIA	Common area	Cerato/Forte(BD)	2019-2020	G 1.6 MPI	
KIA	Common area	Cerato/Forte(BD)	2019-2020	D 1.6 TCI-NEW U	Throttle valve(ACV) replacement
KIA	Common area	Cerato/Forte(BDM)	2019-2020	G 2.0 MPI NU	
KIA	Common area	Cerato/Forte(BDM)	2019-2020	G 1.6 T-GDI	
KIA	Common area	Cerato/Forte(BDM)	2019-2020	G 1.6 MPI	
KIA	Common area	Cerato/Forte(YD)	2018-2019	G 2.0 MPI NU	
KIA	Common area	Cerato/Forte(YD)	2018-2019	G 1.6 T-GDI	
KIA	Common area	Cerato/Forte(YD)	2018-2019	G 1.6 MPI	
KIA	Common area	Cerato/Forte(YD)	2018-2019	D 1.6 TCI-U2	Throttle valve(ACV) replacement
KIA	Common area	Cerato/Forte(YDM)	2017-2019	G 2.0 MPI NU	
KIA	Common area	Cerato/Forte(YDM)	2017-2019	G 1.6 MPI	
KIA	Common area	Cerato/Forte(YDM)	2017-2019	F 1.6 MPI	
KIA	Common area	Cerato/Forte(TD)	2009-2010	G 2.0 DOHC	
KIA	Common area	Cerato/Forte(TD)	2009-2010	G 1.6 DOHC	
KIA	Common area	Cerato/Forte(TD)	2011-2013	G 2.0 DOHC	
KIA	Common area	Cerato/Forte(TD)	2011-2013	G 1.6 DOHC	
KIA	Common area	K900(RJ)	2019-2021	G 5.0 GDI TAU	
KIA	Common area	K900(RJ)	2019-2021	G 3.3/3.8 GDI	

KIA	Common area	K2500/K2700/K3000/K3000S(PU)	2013-2015	D 2.5 TCI-A2	Throttle valve(ACV) replacement
KIA	Common area	K2500/K2700/K3000/K3000S(PU)	2016-2020	L 2.4 THETA	
KIA	Common area	K2500/K2700/K3000/K3000S(PU)	2016-2020	D 2.5 TCI-A2	Throttle valve(ACV) replacement
KIA	Common area	K5 HEV(DL3 HEV)	2020-2021		
KIA	Common area	K5(DL3)	2020-2021	G 2.0 NU MPI	
KIA	Common area	K5(DL3)	2020-2021	G 2.5 GDI	
KIA	Common area	Borrego (HM)	2017-2020	G 3.0 TCI-S2	Throttle valve(ACV) replacement
KIA	Common area	Niro(DE HEV)	2016-2020	G 1.6 GDI	
KIA	Common area	Niro(DE HEV)-Mexico area	2017-2019	G 1.6 GDI	
KIA	Common area	Niro(DE PHEV)	2020	G 1.6 GDI	
KIA	Common area	Niro(DE PHEV)	2018-2019	G 1.6 GDI	
KIA	Common area	Niro(DE PHEV)-Mexico area	2017-2020	G 1.6 GDI	
KIA	Common area	Opirus(GH)	2007-2010	G 2.7 DOHC	
KIA	Common area	Opirus(GH)	2007-2010	G 3.8 DOHC	
KIA	Common area	Optima HEV(JF HEV)	2016-2020	G 2.0 NU GDI	
KIA	Common area	Optima HEV(TF HEV)	2012-2014	G 2.0 HEV	
KIA	Common area	Optima HEV(TF HEV)	2015	G 2.0 HEV	
KIA	Common area	Optima PHEV(JF PHEV)	2016-2020	G 2.0 NU GDI	
KIA	Common area	Optima(JF)	2016-2018	G 2.0/2.4 MPI	
KIA	Common area	Optima(JF)	2016-2018	G 2.4 GDI	
KIA	Common area	Optima(JF)	2016-2018	G 2.0 T-GDI	
KIA	Common area	Optima(JF)	2016-2018	G 2.0 CVVL-NU	
KIA	Common area	Optima(JF)	2016-2018	D 1.7 TCI-U2	Throttle valve(ACV) replacement
KIA	Common area	Optima(JF)	2019-2020	G 2.0/2.4 MPI	
KIA	Common area	Optima(JF)	2019-2020	G 2.4 GDI	
KIA	Common area	Optima(JF)	2019-2020	G 2.0 T-GDI	
KIA	Common area	Optima(JF)	2019-2020	G 2.0 CVVL-NU	
KIA	Common area	Optima(JF)	2019-2020	D 1.7 TCI-U2	Throttle valve(ACV) replacement
KIA	Common area	Optima(JF)	2019-2020	G 1.6 T-GDI	
KIA	Common area	Optima(JF)	2019-2020	D 1.6 TCI-NEW U	Throttle valve(ACV) replacement
KIA	Common area	Optima(JFA)	2016-2018	G 2.4 GDI	
KIA	Common area	Optima(JFA)	2016-2018	G 2.0 T-GDI	
KIA	Common area	Optima(JFA)	2016-2018	G 1.6 T-GDI	
KIA	Common area	Optima(JFA)	2019-2020	G 2.4 GDI	
KIA	Common area	Optima(JFA)	2019-2020	G 2.0 T-GDI	
KIA	Common area	Optima(JFA)	2019-2020	G 1.6 T-GDI	
KIA	Common area	Optima(TF)	2011-2013	G 2.4 GDI	
KIA	Common area	Optima(TF)	2011-2013	G 2.4 DOHC	
KIA	Common area	Optima(TF)	2011-2013	G 2.0 MPI-NU	
KIA	Common area	Optima(TF)	2011-2013	G 2.0 DOHC	
KIA	Common area	Optima(TF)	2011-2013	D 1.7 TCI-U2	Throttle valve replacement

KIA	Common area	Optima(TF)	2014-2016	G 2.4MPI THETA2	
KIA	Common area	Optima(TF)	2014-2016	G 2.4GDI THETA2	
KIA	Common area	Optima(TF)	2014-2016	G 2.0 T-GDI THETA2	
KIA	Common area	Optima(TF)	2014-2016	G 2.0 NU MPI	
KIA	Common area	Optima(TF)	2014-2016	D 1.7 TCI-U2	Throttle valve replacement
KIA	Common area	Pegas/Soruto(AB)	2018-2021	G 1.4 MPI	
KIA	Common area	Picanto(TA)	2012-2019		
KIA	Common area	Picanto/Morning(JA)	2018-2020	F 1.0	
KIA	Common area	Picanto/Morning(JA)	2018-2020	G 1.0/1.2 MPI	
KIA	Common area	Picanto/Morning(JA)	2018-2020	G 1.0 T-GDI	
KIA	Common area	Quoris(KH)	2015-2018	G 5.0 GDI-TAU	
KIA	Common area	RIO Maxima(QBR)	2012-2018	G 1.4/1.6 MPI	
KIA	Common area	RIO Maxima(UB)	2012-2018	G 1.6 GDI	
KIA	Common area	RIO Maxima(UB)	2012-2018	G 1.4 Double overhead camshaft	
KIA	Common area	RIO Maxima(UB)	2012-2018	G 1.2 DOHC	
KIA	Common area	RIO Maxima(UB)	2012-2018	D 1.1/1.4 TCI-U2	Throttle valve(ACV) replacement
KIA	Common area	RIO Maxima(UB)	2012-2018	D 1.1/1.4 TCI-U2	Throttle valve(ACV) replacement
KIA	Common area	RIO Maxima(FB)	2018-2021	G 1.4/1.6 MPI	
KIA	Common area	RIO Maxima(SC)	2017-2020	G 1.4/1.6 MPI	
KIA	Common area	RIO Maxima(SC)	2017-2020	F 1.6 MPI	
KIA	Common area	RIO Maxima(YB)	2017-2021	G 1.2/1.4 MPI	
KIA	Common area	RIO Maxima(YB)	2017-2021	G 1.0 T-GDI	
KIA	Common area	RIO Maxima(YB)	2017-2021	D 1.4/1.6 TCI-U2	Throttle valve(ACV) replacement
KIA	Common area	Seltos(SP2)	2019-2021	G 1.6 MPI	
KIA	Common area	Seltos(SP2)	2019-2021	G 1.6 T-GDI	
KIA	Common area	Seltos(SP2)	2019-2021	G 2.0 MPI	
KIA	Common area	Seltos(SP2i)	2019-2021	G 1.4 T-GDI	
KIA	Common area	Seltos(SP2i)	2019-2021	G 1.5 MPI	
KIA	Common area	Seltos(SP2i)	2019-2021	G 1.6 MPI	
KIA	Common area	Sorento(UM)	2015-2020	G 3.5 V6 MPI	
KIA	Common area	Sorento(UM)	2015-2020	G 2.4 MPI	
KIA	Common area	Sorento(UM)	2015-2020	G 2.4 GDI	
KIA	Common area	Sorento(UM)	2015-2020	D 2.0/2.2 TCI-R	Throttle valve(ACV) replacement
KIA	Common area	SONATA(UMA)	2016-2018	G 2.4 GDI	
KIA	Common area	SONATA(UMA)	2019	G 2.4 GDI	
KIA	Common area	SONATA(UMA)	2019	G 3.3 GDI	
KIA	Common area	Soul(AM)	2011-2014	G 2.0 DOHC	
KIA	Common area	Soul(AM)	2011-2014	G 1.6 MPI	
KIA	Common area	Soul(AM)	2011-2014	G 1.6 GDI	
KIA	Common area	Soul(AM)	2011-2014	F 1.6 DOHC	
KIA	Common area	Soul(AM)	2011-2014	D 1.6 TCI-U2	
KIA	Common area	Soul(SK3)	2019-2021	G 2.0 MPI NU	
KIA	Common area	Soul(SK3)	2019-2021	G 1.6 T-GDI	

KIA	Common area	Soul(SK3)	2019-2021	G 1.6 MPI	
KIA	Common area	Soul(SK3)-Mexico area	2019-2020	G 2.0 MPI NU	
KIA	Common area	Soul(SK3)-Mexico area	2019-2020	G 1.6 T-GDI	
KIA	Common area	Soul(SK3A)	2019-2020	G 1.6 T-GDI	
KIA	Common area	Soul(SK3A)	2019-2020	G 2.0 MPI NU	
KIA	Common area	Soul(PS)	2016	G 2.0 MPI NU	
KIA	Common area	Soul(PS)	2016	G 1.6 T-GDI	
KIA	Common area	Soul(PS)	2016	G 1.6 MPI	
KIA	Common area	Soul(PS)	2016	G 1.6 GDI	
KIA	Common area	Soul(PS)	2016	F 1.6 MPI	
KIA	Common area	Soul(PS)	2016	D 1.6 TCI-U2	Throttle valve(ACV) replacement
KIA	Common area	Soul(PS)	2017-2019	G 2.0 MPI NU	
KIA	Common area	Soul(PS)	2017-2019	G 1.6 T-GDI	
KIA	Common area	Soul(PS)	2017-2019	G 1.6 MPI	
KIA	Common area	Soul(PS)	2017-2019	G 1.6 GDI	
KIA	Common area	Soul(PS)	2017-2019	F 1.6 MPI	
KIA	Common area	Soul(PS)	2017-2019	D 1.6 TCI-U2	Throttle valve(ACV) replacement
KIA	Common area	Soul(PS)-Mexico area	2016-2019	G 2.0 MPI NU	
KIA	Common area	Soul(PS)-Mexico area	2016-2019	G 1.6 T-GDI	
KIA	Common area	Soul(PS)-Mexico area	2016-2019	G 1.6 MPI	
KIA	Common area	Soul(PS)-Mexico area	2016-2019	G 1.6 GDI	
KIA	Common area	Soul(PS)-Mexico area	2016-2019	D 1.6 TCI-U2	Throttle valve(ACV) replacement
KIA	Common area	Sportage(SLE)	2011-2016	G 2.0 MPI-NU	
KIA	Common area	Sportage(SLE)	2011-2016	G 1.6/2.0 GDI	
KIA	Common area	Sportage(SLE)	2011-2016	D 1.7/2.0 TCI	Throttle valve replacement(Type 1)
KIA	Common area	Sportage(SLE)	2011-2016	D 1.7/2.0 TCI	Throttle valve replacement(Type 2)
KIA	Common area	Sportage(SLE)	2011-2016	D 2.4 DOHC	
KIA	Common area	Sportage(SLE)	2011-2016	G 2.0 MPI-THETA2	
KIA	Common area	Sportage(QL)	2016-2018	G 2.4 GDI	
KIA	Common area	Sportage(QL)	2016-2018	G 2.0 MPI NU	
KIA	Common area	Sportage(QL)	2016-2018	G 2.0 MPI	
KIA	Common area	Sportage(QL)	2016-2018	D 2.0 TCI-R	Throttle valve(ACV) replacement
KIA	Common area	Sportage(QL)	2019-2021	G 2.4 GDI	
KIA	Common area	Sportage(QL)	2019-2021	G 2.0 MPI NU	
KIA	Common area	Sportage(QL)	2019-2021	G 2.0 MPI	
KIA	Common area	Sportage(QL)	2019-2021	D 2.0 TCI-R	Throttle valve (ACV) replacement
KIA	Common area	Sportage(QL)	2019-2021	D 1.6 TCI	Throttle valve(ACV) replacement
KIA	Common area	Sportage(QLE)	2016-2018	G 2.4 GDI	
KIA	Common area	Sportage(QLE)	2016-2018	G 2.0 MPI NU	

KIA	Common area	Sportage(QLE)	2016-2018	G 1.6 T-GDI	
KIA	Common area	Sportage(QLE)	2016-2018	G 1.6 GDI	
KIA	Common area	Sportage(QLE)	2016-2018	D 2.0 TCI-R	Throttle valve(ACV) replacement
KIA	Common area	Sportage(QLE)	2016-2018	D 1.7 U-II(Low power)	Throttle valve(ACV) replacement
KIA	Common area	Sportage(QLE)	2019-2021	G 2.4 GDI	
KIA	Common area	Sportage(QLE)	2019-2021	G 2.0 MPI NU	
KIA	Common area	Sportage(QLE)	2019-2021	G 1.6 T-GDI	
KIA	Common area	Sportage(QLE)	2019-2021	G 1.6 GDI	
KIA	Common area	Sportage(QLE)	2019-2021	D 2.0 TCI-R	Throttle valve(ACV) replacement
KIA	Common area	Sportage(QLE)	2019-2021	D 1.6 TCI	Throttle valve(ACV) replacement
KIA	Common area	Sportage R(QL)-Mexico area	2019-2021	G 2.4 GDI	
KIA	Common area	Sportage R(QL)-Mexico area	2019-2021	G 2.0 T-GDI	
KIA	Common area	Sportage R(QL)-Mexico area	2016-2018	G 2.0 MPI NU	
KIA	Common area	Sportage R(QLE)-Mexico area	2016-2018	G 1.6 T-GDI	
KIA	Common area	Sportage R(QLE)-Mexico area	2016-2018	G 1.6 GDI	
KIA	Common area	Sportage R(QLE)-Mexico area	2016-2018	D 2.0 TCI-R	Throttle valve(ACV) replacement
KIA	Common area	Sportage R(QLE)-Mexico area	2016-2018	D 1.6 TCI	Throttle valve(ACV) replacement
KIA	Common area	Sportage R(QLE)-Mexico area	2016-2018	G 2.4 GDI	
KIA	Common area	Sportage R(QLE)-Mexico area	2019-2021	G 2.0 MPI NU	
KIA	Common area	Sportage R(QLE)-Mexico area	2019-2021	G 1.6 T-GDI	
KIA	Common area	Sportage R(QLE)-Mexico area	2019-2021	G 1.6 GDI	
KIA	Common area	Sportage R(QLE)-Mexico area	2019-2021	D 2.0 TCI-R	Throttle valve(ACV) replacement
KIA	Common area	Sportage R(QLE)-Mexico area	2019-2021	D 1.6 TCI	Throttle valve(ACV) replacement
KIA	Common area	Sportage R(QLE)-Mexico area	2019-2021	G 2.4 GDI	
KIA	Common area	Stinger(CK)	2018	D 2.2 R VGT	Throttle valve(ACV) replacement
KIA	Common area	Stinger(CK)	2018	G 3.3 T-GDI	
KIA	Common area	Stinger(CK)	2018	G 2.0 T-GDI	
KIA	Common area	Stinger(CK)	2019-2020	D 2.2 R VGT	Throttle valve(ACV) replacement
KIA	Common area	Stinger(CK)	2019-2020	G 3.3 T-GDI	
KIA	Common area	Stinger(CK)	2019-2020	G 2.0 T-GDI	
KIA	Common area	Stonic(YB CUV)	2018	D 1.6 NEW U2 TCI	Throttle valve(ACV) replacement
KIA	Common area	Stonic(YB CUV)	2018	G 1.2/1.4 MPI	
KIA	Common area	Stonic(YB CUV)	2018	G 1.0 T-GDI	
KIA	Common area	Stonic(YB CUV)	2018	D 1.6 U2 TCI	Throttle valve(ACV) replacement
KIA	Common area	Stonic(YB CUV)	2019-2020	G 1.2/1.4 MPI	
KIA	Common area	Stonic(YB CUV)	2019-2020	D 1.6 NEW U2 TCI	Throttle valve(ACV) replacement
KIA	Common area	Stonic(YB CUV)	2021		
KIA	Common area	Telluride(ON)	2020-2021	G 3.8 GDI	
KIA	Common area	Telluride(ON)-Mexico area	2020-2021	G 3.8 GDI	
KIA	Common area	Venga(YN)	2010-2020	G 1.4/1.6 Double overhead camshaft	



KIA	Common area	Venga(YN)	2010-2020	D 1.4/1.6 TCI-U2	Throttle valve(ACV) replacement
KIA	Common area	Venga(YN)	2010-2020	D 1.4/1.6 TCI-U2	Throttle valve replacement(Type 2)
KIA	Common area	Venga(YN)	2010-2020	D 1.4/1.6 TCI-U2	Throttle valve replacement(Type 3)
KIA	Common area	XCeed PHEV	2020	G 1.6 GDI	
KIA	Common area	XCeed(CD CUV)	2020	D 1.6 TCI-NEW	
KIA	Common area	XCeed(CD CUV)	2020	G 1.0/1.4/1.6 T-GDI	
KIA	Common area	XCeed(CD CUV)	2021	D 1.6 TCI-NEW	
KIA	Common area	XCeed(CD CUV)	2021	G 1.0/1.6 T-GDI	
KIA	Common area	XCeed(CD CUV)	2021	G 1.6 MPI	
KIA	America area	Cadenza(YG)	2017-2020	G 3.3 GDI	
KIA	America area	Borrego (HM)	2011	G 4.6 DOHC	Type 1
KIA	America area	Borrego (HM)	2011	G 4.6 DOHC	Type 2
KIA	America area	Forte (BDM)	2019-2021	G 2.0 MPI NU	
KIA	America area	Forte (BDM)	2019-2021	G 1.6 T-GDI	
KIA	America area	Forte(BD)	2020-2021	G 2.0 MPI NU	
KIA	America area	Forte(BD)	2020-2021	G 1.6 T-GDI	
KIA	America area	Cerato/Forte(YD)	2014-2018	G 2.0 GDI NU	
KIA	America area	Cerato/Forte(YD)	2014-2018	G 1.8 MPI	
KIA	America area	Cerato/Forte(YD)	2014-2018	G 1.6 T-GDI	
KIA	America area	Cerato/Forte(YDM)	2017-2018	G 1.6 T-GDI	
KIA	America area	Cerato/Forte(YDM)	2017-2018	G 2.0 GDI NU	
KIA	America area	Cerato/Forte(YDM)	2017-2018	G 2.0 MPI NU	
KIA	America area	Cerato/Forte(TD)	2010-2013		
KIA	America area	K5(DL3A)	2021	G 1.6 T-GDI	
KIA	America area	K5(DL3A)	2021	G 2.5 T-GDI	
KIA	America area	K900(RJ)	2019-2020	G 3.3 T-GDI	
KIA	America area	K900(KH)	2015-2018	G 5.0 GDI	
KIA	America area	Niro(DE HEV)	2017-2020	G 1.6 GDI	
KIA	America area	Niro(DE PHEV)	2018-2020	G 1.6 GDI	
KIA	America area	Optima Hybrid(JF HEV)	2016-2020	G 2.0 NU GDI	
KIA	America area	Optima Hybrid(TF HEV)	2011-2016	G 2.4THETA2	
KIA	America area	Optima PHEV(JF PHEV)	2017-2020	G 2.0 NU GDI	
KIA	America area	Optima(JF)	2016-2020	G 2.4 GDI	
KIA	America area	Optima(JFA)	2016-2018	G 1.6 T-GDI	
KIA	America area	Optima(JFA)	2016-2018	G 2.0 T-GDI	
KIA	America area	Optima(JFA)	2016-2018	G 2.4 GDI	
KIA	America area	Optima(JFA)	2019-2020	G 1.6 T-GDI	
KIA	America area	Optima(JFA)	2019-2020	G 2.0 T-GDI	
KIA	America area	Optima(JFA)	2019-2020	G 2.4 GDI	
KIA	America area	Optima(TF/QF)	2011-2013	G 2.0 T-GDI	
KIA	America area	Optima(TF/QF)	2011-2013	G 2.4 GDI	
KIA	America area	Optima(TF/QF)	2014-2015	G 2.0 T-GDI	
KIA	America area	Optima(TF/QF)	2014-2015	G 2.4 MPI/GDI	
KIA	America area	RIO Maxima(SC)	2018-2020		
KIA	America area	RIO Maxima(UB)	2012-2017	G 1.6 GDI	
KIA	America area	RIO Maxima(JB)	2008-2012	G 1.6 DOHC	
KIA	America area	NEW Carens(UN)	2007-2010	G 2.4 DOHC	

KIA	America area	NEW Sedona(YP)	2019-2021	G 3.3 GDI	
KIA	America area	VQ	2006-2010	G 3.8 DOHC	
KIA	America area	Sorento(UMA)	2019-2020	G 3.3 GDI	
KIA	America area	Sorento(UMA)	2019-2020	G 2.4 GDI	
KIA	America area	Sorento(UMA)	2016-2018	G 2.4 GDI	
KIA	America area	Sorento(UMA)	2016-2018	G 2.0 T-GDI	
KIA	America area	Sorento(XM)	2011-2015	G 2.4 GDI	
KIA	America area	Sorento(XM)	2011-2015	G 2.4 MPI	
KIA	America area	Sorento(XMA)	2011-2013	G 2.4 GDI	
KIA	America area	Sorento(XMA)	2011-2013	G 2.4 MPI	
KIA	America area	Sorento(XMA)	2014-2015	G 2.4 GDI	
KIA	America area	Seltos(SP2)	2021	G 1.6 T-GDI	
KIA	America area	Seltos(SP2)	2021	G 2.0 MPI	
KIA	America area	Soul(PS)	2016	G 1.6 GDI	
KIA	America area	Soul(PS)	2016	G 1.6 T-GDI	
KIA	America area	Soul(PS)	2016	G 2.0 NU GDI	
KIA	America area	Soul(PS)	2017-2019	G 1.6 GDI	
KIA	America area	Soul(PS)	2017-2019	G 1.6 T-GDI	
KIA	America area	Soul(PS)	2017-2019	G 2.0 NU GDI	
KIA	America area	Soul(SK3)	2019-2021	G 2.0 MPI	
KIA	America area	Soul(SK3)	2019-2021	G 1.6 T-GDI	
KIA	America area	Sportage(QL)	2016-2021	G 2.4 GDI	
KIA	America area	Sportage(QL)	2016-2021	G 2.0 T-GDI	
KIA	America area	Sportage(SL)	2014-2016	G 2.0 T-GDI	
KIA	America area	Sportage(SL)	2014-2016	G 2.4 GDI	
KIA	America area	Sportage(SL)	2014-2016	G 2.4 MPI	
KIA	America area	Sportage(SL)	2011-2013	G 2.0 T-GDI	
KIA	America area	Sportage(SL)	2011-2013	G 2.4 DOHC	
KIA	America area	Stinger(CK)	2018-2021	G 3.3 T-GDI	
KIA	America area	Stinger(CK)	2018-2021	G 2.0 T-GDI	
KIA	America area	Telluride(ON)	2020-2021	G 3.8 GDI	
KIA	Prompt(Tip)				
HONDA					
ACURA					
TOYOTA					Automatic matching
TOYOTA		4RUNNER			
TOYOTA		ALLEX			
TOYOTA		ALTEZZA			
TOYOTA		ALTEZZA GITA			
TOYOTA		AQUA			
TOYOTA		ARISTO			
TOYOTA		AURION			
TOYOTA		AVALON HV			
TOYOTA		AVANZA			
TOYOTA		AVENSIS			
TOYOTA		AVENSIS VERSO			
TOYOTA		AURIS			

TOYOTA		ALLION			
TOYOTA		AVALON			
TOYOTA		AYGO			
TOYOTA		ALPHARD			
TOYOTA		BB			
TOYOTA		BELTA			
TOYOTA		BLADE			
TOYOTA		BREVIS			
TOYOTA		CALDINA			
TOYOTA		CAMROAD			
TOYOTA		CAMRY GRACIA			
TOYOTA		CAMRY			
TOYOTA		CARINA			
TOYOTA		CELSIOR			
TOYOTA		CENTURY			
TOYOTA		CELICA			
TOYOTA		COROLLA AXIO			
TOYOTA		COROLLA PHV			
TOYOTA		COROLLA VERSO			
TOYOTA		COROLLA TOURING			
TOYOTA		COROLLA			
TOYOTA		COMFORT			
TOYOTA		COROLLA CROSS			
TOYOTA		COROLLA CROSS HV			
TOYOTA		COROLLA IM			
TOYOTA		COROLLA RUMION			
TOYOTA		COROLLA RUNX			
TOYOTA		COROLLA SPACIO			
TOYOTA		COROLLA SPORT			
TOYOTA		COROLLA SPORT HV			
TOYOTA		CORONA			
TOYOTA		COASTER			
TOYOTA		CROWN			
TOYOTA		CROWN PATROL CAR			
TOYOTA		CROWN ESTATE			
TOYOTA		CROWN MAJESTA			
TOYOTA		CURREN			
TOYOTA		DYNA			
TOYOTA		DYNA100/150/200			
TOYOTA		ECHO VERSO			
TOYOTA		ECHO			
TOYOTA		ESQUIRE			
TOYOTA		ESQUIRE HV			
TOYOTA		ESTIMA			
TOYOTA		ESTIMA HV			
TOYOTA		ETIOS			
TOYOTA		E'Z			

TOYOTA		FJ CRUISER			
TOYOTA		FIELDER			
TOYOTA		FIELDER HV			
TOYOTA		FORTUNER			
TOYOTA		FUN CARGO			
TOYOTA		GRAN ACE			
TOYOTA		GAIA			
TOYOTA		GRAND HIACE			
TOYOTA		GRANVIA			
TOYOTA		HARRIER			
TOYOTA		HARRIER HV			
TOYOTA		HIMEDIC			
TOYOTA		HIGHLANDER			
TOYOTA		HILUX SW4			
TOYOTA		HILUX SURF			
TOYOTA		HILUX			
TOYOTA		HIACE			
TOYOTA		HONGQI			
TOYOTA		IQ			
TOYOTA		INNOVA			
TOYOTA		IPSUM			
TOYOTA		ISIS			
TOYOTA		IST			
TOYOTA		IZOA/C-HR			
TOYOTA		JPN TAXI			
TOYOTA		KIJANG INNOVA			
TOYOTA		KLUGER			
TOYOTA		LAND CRUISER			
TOYOTA		LAND CRUISER CITY			
TOYOTA		LAND CRUISER PRADO			
TOYOTA		LEVIN			
TOYOTA		LITEACE			
TOYOTA		LEVIN PHV			
TOYOTA		MR-S			
TOYOTA		MR2			
TOYOTA		MR2 SPYDER			
TOYOTA		MARK X			
TOYOTA		MARK X ZIO			
TOYOTA		MARK2			
TOYOTA		MARK2 BLIT			
TOYOTA		MARK2 QUALIS			
TOYOTA		MATRIX			
TOYOTA		NAV1			
TOYOTA		NADIA			
TOYOTA		NOAH			
TOYOTA		NOAH HV			
TOYOTA		OPA			

TOYOTA		PASEO			
TOYOTA		PASSO			
TOYOTA		PICNIC			
TOYOTA		PLATZ			
TOYOTA		PORTE			
TOYOTA		PREMIO			
TOYOTA		PROBOX			
TOYOTA		PROBOX HV			
TOYOTA		PROGRES			
TOYOTA		PRONARD			
TOYOTA		PREVIA			
TOYOTA		PRIUS			
TOYOTA		QUICKDELIVERY			
TOYOTA		RAV4			
TOYOTA		RACTIS			
TOYOTA		RAUM			
TOYOTA		REGIUS HIACE			
TOYOTA		REGIUSACE			
TOYOTA		REIZ			
TOYOTA		RUKUS			
TOYOTA		SDF VEHICLE			
TOYOTA		SAI			
TOYOTA		SEQUOIA			
TOYOTA		SIENTA			
TOYOTA		SIENTA HEV			
TOYOTA		SIENNA			
TOYOTA		SOARER			
TOYOTA		SOLARA			
TOYOTA		SPADE			
TOYOTA		SUCCEED			
TOYOTA		SUCCEED HV			
TOYOTA		SUPRA			
TOYOTA		T100			
TOYOTA		TARAGO			
TOYOTA		TACOMA			
TOYOTA		TERCEL			
TOYOTA		TOURING HIACE			
TOYOTA		TOYOACE			
TOYOTA		TOWNACE			
TOYOTA		TUNDRA			
TOYOTA		VANGUARD			
TOYOTA		VEIIFIRE			
TOYOTA		VEIIFIRE HV			
TOYOTA		VENZA HV			
TOYOTA		VEROSSA			
TOYOTA		VERSO			
TOYOTA		VERSO-S			

TOYOTA		VENZA			
TOYOTA		VISTA			
TOYOTA		VISTA ARDEO			
TOYOTA		VITZ			
TOYOTA		VITZ HV			
TOYOTA		VIOS			
TOYOTA		VOLTZ			
TOYOTA		VOXY			
TOYOTA		VOXY HV			
TOYOTA		WILD LANDER			
TOYOTA		WILL VS			
TOYOTA		WILL CYPHA			
TOYOTA		WILL VI			
TOYOTA		WINDDOM			
TOYOTA		WISH			
TOYOTA		XA			
TOYOTA		YARIS CROSS			
TOYOTA		YARIS			
TOYOTA		ZELAS			
LEXUS					Automatic matching
LEXUS		CT200H			
LEXUS		ES200			
LEXUS		ES240			
LEXUS		ES250			
LEXUS		ES260			
LEXUS		ES300			
LEXUS		ES300H			
LEXUS		ES330			
LEXUS		ES350			
LEXUS		GS F			
LEXUS		GS200T			
LEXUS		GS250			
LEXUS		GS300			
LEXUS		GS300H			
LEXUS		GS350			
LEXUS		GS400			
LEXUS		GS430			
LEXUS		GS450H			
LEXUS		GS460			
LEXUS		GX400			
LEXUS		GX460			
LEXUS		GX470			
LEXUS		HS250H			
LEXUS		IS F			
LEXUS		IS200			
LEXUS		IS200D			
LEXUS		IS200T			

LEXUS		IS220D			
LEXUS		IS250			
LEXUS		IS250C			
LEXUS		IS300			
LEXUS		IS300C			
LEXUS		IS300H			
LEXUS		IS350			
LEXUS		IS350C			
LEXUS		LC500			
LEXUS		LC500C			
LEXUS		LC500H			
LEXUS		LFA			
LEXUS		LM300H			
LEXUS		LM350			
LEXUS		LS350			
LEXUS		LS400			
LEXUS		LS430			
LEXUS		LS460			
LEXUS		LS500			
LEXUS		LS500H			
LEXUS		LS600H			
LEXUS		LX450			
LEXUS		LX450D			
LEXUS		LX460			
LEXUS		LX470			
LEXUS		LX570			
LEXUS		NX200			
LEXUS		NX200T			
LEXUS		NX300			
LEXUS		NX300H			
LEXUS		RC F			
LEXUS		RC200T			
LEXUS		RC300			
LEXUS		RC300H			
LEXUS		RC350			
LEXUS		RX200T			
LEXUS		RX270			
LEXUS		RX300			
LEXUS		RX330			
LEXUS		RX350			
LEXUS		RX400H			
LEXUS		RX450H			
LEXUS		SC300			
LEXUS		SC400			
LEXUS		SC430			
LEXUS		UX200			
LEXUS		UX250H			

LEXUS		UX260H			
NISSAN					
INFINITI					
MITSUBISHI					Automatic matching
MITSUBISHI	Japan	ECLIPSE CROSS			
MITSUBISHI	Japan	RVR	2011-2020		
MITSUBISHI	Japan	DELICA D5	2007-2018		
MITSUBISHI	Japan	GALANT	2008-2015		
MITSUBISHI	Japan	LANCER EVOLUTION	2008-2015		
MITSUBISHI	Japan	OUTLANDER	2006-2020		
MITSUBISHI	Japan	OUTLANDER(PHEV)	2013-2021		
MITSUBISHI	Japan	ECLIPSE CROSS	2018-2021		
MITSUBISHI	North America	OUTLANDER SPORT/RVR	2011-2021		
MITSUBISHI	North America	LANCER	2008-2017		
MITSUBISHI	North America	LANCER EVOLUTION	2008-2015		
MITSUBISHI	North America	OUTLANDER	2007-2020		
MITSUBISHI	North America	OUTLANDER-PHEV	2018-2021		
MITSUBISHI	North America	ECLIPSE CROSS	2018-2022		
MITSUBISHI	Europe	AXS	2011-2021		
MITSUBISHI	Europe	ECLIPSE CROSS			
MITSUBISHI	Europe	LANCER	2008-2017		
MITSUBISHI	Europe	LANCER EVOLUTION	2008-2014		
MITSUBISHI	Europe	OUTLANDER	2007-2021		
MITSUBISHI	Europe	OUTLANDER(PHEV)	2014-2020		
MITSUBISHI	Europe	ECLIPSE CROSS	2018-2021		
MITSUBISHI	Australia	ASX	2011-2021		
MITSUBISHI	Australia	LANCER	2008-2017		
MITSUBISHI	Australia	LANCER EVOLUTION	2009-2015		
MITSUBISHI	Australia	OUTLANDER	2007-2020		
MITSUBISHI	Australia	OUTLANDER(PHEV)	2014-2020		
MITSUBISHI	Australia	ECLIPSE CROSS	2018-2021		
MITSUBISHI	Other	XPANDER/XPANDER CROSS	2018-2021		
MITSUBISHI	Other	DELICA D5	2007-2018		
MITSUBISHI	Other	ASX	2011-2021		
MITSUBISHI	Other	LANCER/LANCER EX	2008-2017		
MITSUBISHI	Other	LANCER EVOLUTION	2009-2015		
MITSUBISHI	Other	OUTLANDER	2013-2021		
MITSUBISHI	Other	OUTLANDER/OUTLANDER EX	2006-2014		
MITSUBISHI	Other	ECLIPSE CROSS	2018-2021		
MAZDA		ATENZA(Japan)/MAZDA6(General)		2.0L(LF)	
MAZDA		ATENZA(Japan)/MAZDA6(General)		2.5L(L5)	
MAZDA		MAZDA6(China)		2.0L(LF)	
MAZDA		MAZDA6(China)		2.5L(L5)	
MAZDA		MAZDA6 GH(After improvement)/ATENZA		1.8L(L8)	
MAZDA		MAZDA6 GH(After improvement)/ATENZA		2.0L(LF)	
MAZDA		MAZDA6 GH(After improvement)/ATENZA		2.2L(R2T)	
MAZDA		MAZDA6 GH(After improvement)/ATENZA		2.5L(L5)	



MAZDA		MAZDA6 GH(After improvement)/ATENZA		3.7L(CA)	
MAZDA		MAZDA6(middle East)/General	2009-2010	2.5L(L5)	
MAZDA		MAZDA6(middle East)/General	2009-2010	3.7L(CA)	
MAZDA		MAZDA6(North America)/General	2009-2010	2.5L(L5)	
MAZDA		MAZDA6(North America)/General	2009-2010	3.7L(CA)	
MAZDA		MAZDA6		L5	
MAZDA		MAZDA6		CA	
MAZDA		MAZDA2(China)	2007	1.3L(ZJ)	
MAZDA		MAZDA2(China)	2007	1.5L(ZY)	
MAZDA		MAZDA2(Europe)	2007	1.3L(ZJ)	
MAZDA		MAZDA2(Europe)	2007	1.4L(Y4)	
MAZDA		MAZDA2(Europe)	2007	1.5L(ZY)	
MAZDA		MAZDA2(Europe)	2007	1.6L(Y6)	
MAZDA		MAZDA2(Europe STG3/4specifications)			
MAZDA		MAZDA2(China)			
MAZDA		MAZDA3(Europe STG3/4/5general)			
MAZDA		ESCAPE/TRIBUTE/MARINER			
MAZDA		ESCAPE(Asia)/TRIBUTE/MARINER	2009-2012	2.5L(DURATEC-HE/I4/HEV/4V)	
MAZDA		ESCAPE(Asia)/TRIBUTE/MARINER	2008	3.0L(4V)	
MAZDA		ESCAPE(Asia)/TRIBUTE/MARINER	2009-2012	3.0L(4V)	
MAZDA		ESCAPE(Asia/Europe)/TRIBUTE/MARINER	2005		
MAZDA		ESCAPE(North America/Europe)/TRIBUTE	2001-2004		
MAZDA		RANGER/MAZDA B-SERIES/COURIER	1995-2006		
MAZDA		RANGER/MAZDA B-SERIES/Troller			
MAZDA		BIANTE(Japan)	2008	2.0L(LF)	HSCAN
MAZDA		BIANTE(Japan)	2008	2.0L(LF)	VISO
MAZDA		BIANTE(Japan)	2012	2.0L(PE)	
MAZDA		BIANTE(Japan)	2008	2.3L(L3)	
PROTON		ARENA/JUMBUCK			
PROTON		EXORA			
PROTON		EXORA BOLD			
PROTON		GEN2			
PROTON		INSPIRA			
PROTON		PERSONA			
PROTON		PERSONA ELEGANCE(DOM)			
PROTON		PREVE			
PROTON		SAGA			
PROTON		SAGA BLM			
PROTON		SAGA FL			
PROTON		SATRIANEO			
PROTON		SATRIANEO GTI			
PROTON		SAGA FLX			
PROTON		SUPRIMA S			
PROTON		WAJA CAMPRO/IMPIAN			
PROTON		WIRA/PERSONA EXPORT			
SUZUKI		EQUATOR			
SUZUKI		LANDY C26			

SUZUKI		LANDY C27			
SUZUKI		SX4		1.6Diesel oil	
SSANGYONG		KORANDO	2016-2017	D2.2DOHC	
SSANGYONG		KORANDO	2011-2015	D2.0Double overhead camshaft	
SSANGYONG		TIVOLI-XLV		Diesel Engine	D16DTF
SSANGYONG		REXTON W		D20DTR	
SSANGYONG		RODIUS-STAVIC II		D20DTR	
LUXGEN		Large 7 MPV			
LUXGEN		Large 7 SUV			
LUXGEN		S5			
LUXGEN		U6			
LUXGEN		S3			
LUXGEN		CE0			

*XTOOL*