RIDE CONTROL CATALOG









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SUSPENSION STRUT

Piston Rod

The piston rod, larger in diameter to increase the strength, is hard-chrome plated, induction hardening, and fine polished for greater resistance to corrosion, thus, assuring of smooth action.

Oil Seal

The special oil seal, made of oil and wear-resistant high quality synthetic rubber, having high sealing efficiency to keep vital oil and gas in and dirt out of the cylinder.

Rod Guide

The sintered iron rod guide with a teflon-bushed sliding surface, assures smooth rod action with minimal resistance and wear.

Nitrogen Gas

Nitrogen gas is filled in the reservoir.

Rebound Stopper

A rebound stopper, made of a high quality synthetic rubber, or resin, is installed on the piston rod to act as the rebound stop.

Pressure Tube

The pressure tube, with a precision sliding surface mirror-like finish is designed to withstand tremendous internal working pressures, thus, providing greater reliability.

Piston Valve

Tokico's unique automatic control rebound disc valve, which automatically adjusts to all ride conditions, is designed to assure maximum performance and smooth ride control.It also provides instant response for full performance without any time lag.

Absorber Oil

Tokico's absorber oil with constant viscosity, blended with chemical additives provide optimum operating performance keeping its efficiency, in any weather conditions.

Bottom Valve

Tokico's compression disc valve, which provides excellent performance, has automatic control actions similar to the rebound piston disc valve.

TT

HYDRAULIC SHOCK ABSORBER

Oil Seal

The special oil seal, made of oil and wear-resistant high quality synthetic rubber, having high sealing efficiency to keep vital oil and gas in and dirt out of the cylinder.

Rod Guide

The sintered iron rod guide with a teflon-bushed sliding surface, assures smooth rod action with minimal resistance and wear.

Piston Rod

The piston rod, larger in diameter to increase the strength, is hard-chrome plated, induction hardening, and fine polished for greater resistance to corrosion, thus, assuring of smooth action.

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TWIN TUBE SHOCK ABSORBER

Absorber Oil

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Bottom Valve

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The sintered iron rod guide with a teflonbushed sliding surface, assures smooth rod action with minimal resistance and wear.

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Piston Valve

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COIL OVER SHOCK

Absorber Oil

Tokico's absorber oil with constant viscosity, blended with chemical additives provide optimum operating performance keeping its efficiency, in any weather conditions.

Bottom Valve

Tokico's compression disc valve, which provides excellent performance, has automatic control actions similar to the rebound piston disc valve.

Oil Seal

The special oil seal, made of oil and wear-resistant high quality synthetic rubber, having high sealing efficiency to keep vital oil and gas in and dirt out of the cylinder.

Rod Guide

The sintered iron rod guide with a teflon-bushed sliding surface, assures smooth rod action with minimal resistance and wear.

Nitrogen Gas

Nitrogen gas is filled in the reservoir.

Piston Rod

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Pressure Tube

The pressure tube, with a precision sliding surface mirror-like finish is designed to withstand tremendous internal working pressures, thus, providing greater reliability.

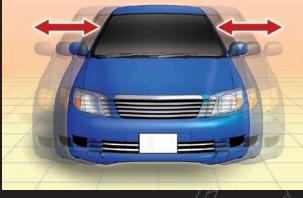
Piston Valve

Tokico's unique automatic control rebound disc valve, which automatically adjusts to all ride conditions, is designed to assure maximum performance and smooth ride control. It also provides instant response for full performance without any time lag.

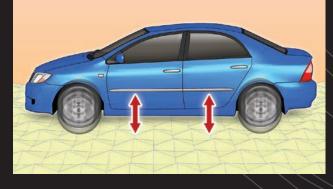
REPLACE YOUR SHOCKS IF...



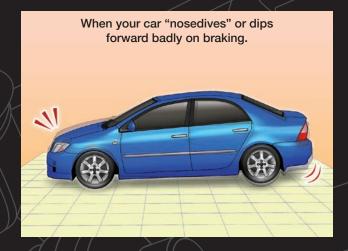
When your car veers sideways under the influence of cross winds.



When your car bounds harshly on an uneven road.



When the bouncing continues after you push-down on the car.





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INSTALLATION TIPS

When replacing shock absorbers, please select the correct shocks from the application listing and follow the instructions below.

When removing the used shock absorber...

- 1. Please check and remember the position where each of the parts are currently installed. After installing the new shocks, the fitting must be set back in the original position.
- 2. Please remove any dirt and/or rust from the screws by using a stiff brush.

When installing the new shock absorber...

- 1. Before installation, please check the TOKICO number on the shock body and compare it with the application listing, making sure the model year, fitting position, etc. are correct.
- 2. Please confirm that all the parts required for installation are included in the product packaging.
- Please do no grab the piston rod or damage it with any type of metallic tool. Damaging a piston rod will ruin the rod seal and cause leakage
- 4. When installing the "eye type", please do not tighten the nut when the car body is jack-up. Please tighten the nut in the natural position.
- 5. In case of the "bolt type", please follow the diagram printed on the plastic bag for the fitting kits or the mounting-kit listing.

When disposing of the used shock absorbers...

- 1. Please take out the oil completely.
- 2. For gas shocks, please take out the cas and oil completely.

- 3. Before removing the screws, please make sure to apply oil on the rusted nuts and screws. If you tap delicately with a hammer the oil will easily soak into the groves.
- 4. Please do not throw away the worn shock and the removed kits until installation of the new shocks are complete.
- 6. When installing a cartridge, please follow this procedure:
 - Remove the strut from the car body.
 - Remove the gland nut and take the internal parts out of the strut housing.
 - Remove the oil in the strut housing and clean the internal surfaces.
 - Insert the new cartridge into the strut housing.
 - Use the new gland nut contained in the box to secure the cartridge in place.
- 7. Make sure that all nuts and bolts are tightened securely.
- 3. Follow your local regulations when disposing of the old shock absorbers.

Do not damage a piston like the below photographs or it may causes oil leakage.



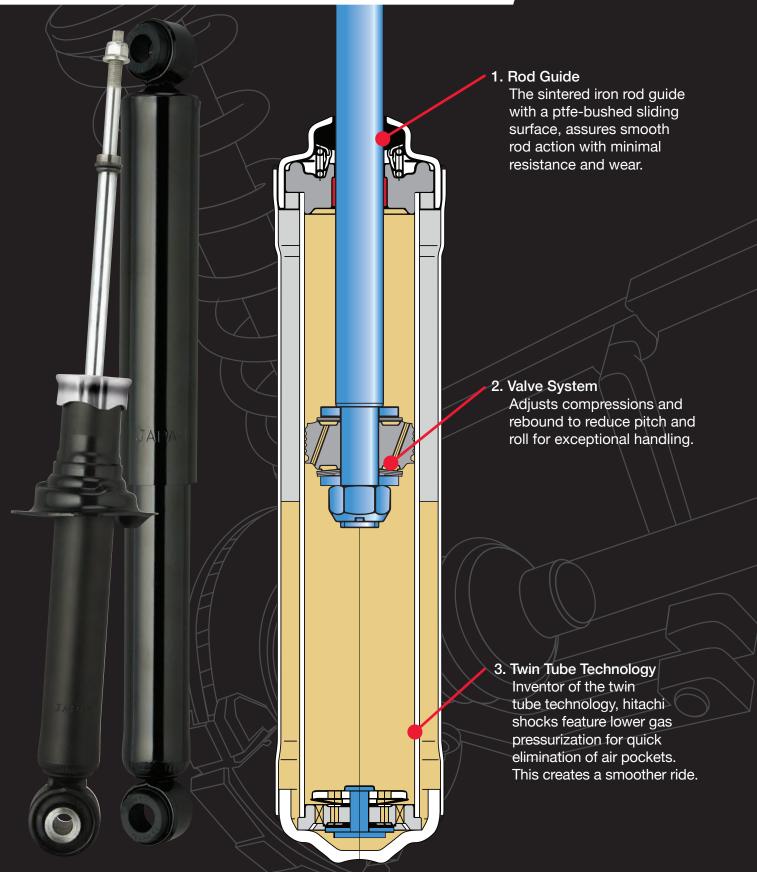








SHOCK FEATURES & BENEFITS



HONDA									
				Front				Rear	
Model	Motor/Year/ Notes		_	Part	t No.			Par	t No.
		Pos	Туре	Oil	Gas	Pos	Туре	Oil	Gas
Accord	2.3L, 3.0L V6 1998-2002	L	÷		HCU0004	L	÷		HCU0001
		R	∎		HCU0004	R	<u>+</u>		HCU0001
Accord	2.4L, 3.0L V6 2003-2007	L			HCU0011	L	⊥ ∎		HCU0012
	R			HCU0011	R			HCU0012	
Accord	3.0L V6 2003-2004	L			HCU0011	L			HCU0012
		R	⊥ ■		HCU0011	R	≝		HCU0012
Accord	3.0L V6 2005-2007	L				L	- <u>-</u>		HCU0013
	Hybrid	R				R	<u>⊥</u> ∎		HCU0013
Civic	1.6L 1996-2000	L	≝	HCU0005		L	<u>_</u>	HCU0002	
		R	i de la constante de la const	HCU0005		R	₿	HCU0002	
Civic	1.7L 2001-2002	L		HST0010		L	<u> </u>	HCU0008	
	DX, EX, HX, LX	R	L.	HST0009		R	<u>⊥</u> ∎	HCU0008	
Civic	1.7L 2003	L		HST0037		L			
	EX, LX	R		HST0038		R			
Civic	1.7L 2003	L		HST0037		L	<u>_</u>	HCU0008	
	EX	R		HST0038		R	<u>+</u>	HCU0008	
CR-V	2.0L 1997-2001	L	<u>⊥</u> ∎	HCU0006		L	<u>⊥</u> ∎	HCU0007	
		R	₽	HCU0006		R	₽	HCU0007	
CR-V	2.4L 2002-2004	L		HST0040		L	<u>⊥</u> ■		HCU0015
		R		HST0039		R	<u>⊥</u> ∎		HCU0015
CR-V	2.4L 2005-2006	L		HST0042		L	<u>⊥</u> ₹		HCU0015
		R	L.	HST0041		R	<u>+</u>		HCU0015

O Eyering

XPin Type Bushing Suspension Strut

Coil Over Type Strut Cartridge

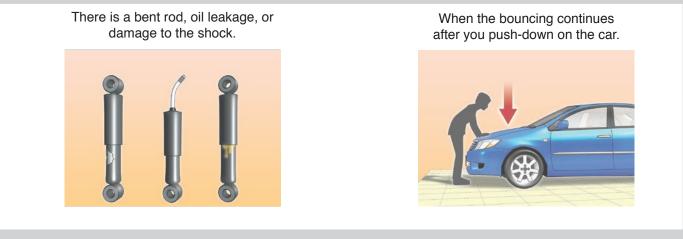
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Upper Bolt

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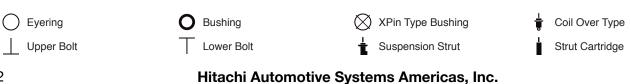
HONDA										
				Front		Rear				
Model	Motor/Year/ Notes	Pos	Туре	Part	No.	Pos	Turne	Part	No.	
				Oil	Gas	PUS	Туре	Oil	Gas	
CR-V	2.4L 2007-2011	L				L	<u>⊥</u> ∎		HCU0015	
		R				R			HCU0015	

REPLACE YOUR SHOCKS IF...



WHAT IS CAVITATION?

Cavitation is the phenomenon that bubbles appear and disappear in the oil during working the shock absorber. Cavitation hurts performance, but the gas type shocks limit this occurrence.





ACURA											
				Front		Rear					
Model	Motor/Year/ Notes	Pos	Tuno	Part No.		Pos	Tupo	Part No.			
		PUS	Туре	Oil	Gas	PUS	Туре	Oil	Gas		
CL	3.2L 2001-2003	L	<u> </u>	HCU0004		L	-	HCU0001			
		R	<u>⊥</u> ∎	HCU0004		R	<u>⊥</u> ■	HCU0001			
EL	1.6L 1997-2000	L	⊥	HCU0005		L	o∎l⊢	HCU0002			
		R	<u>⊥</u> ∎	HCU0005		R	Ē	HCU0002			
EL	1.7L 2001-2003	L		HST0010		L	<u>⊥</u> ∎	HCU0008			
		R		HST0009		R	⊥ ∎	HCU0008			
TL	3.2L 2001-2003	L	<u>⊥</u> ∎	HCU0004		L		HCU0001			
		R	<u>⊥</u> ∎	HCU0004		R	<u>⊥</u> ∎	HCU0001			
TL	3.2L 2004-2008	L	<u>⊥</u> ∎	HCU0011		L	⊥ ∎	HCU0012			
		R	<u>⊥</u> ∎	HCU0011		R	<u>⊥</u> ∎	HCU0012			
тѕх	X.L 2004-2008	L	<u>⊥</u> ∎	HCU0011		L	⊥ ∎				
		R	, <u>⊥</u> ,∎	HCU0011		R	<u>⊥</u> ■				

WHAT IS THE DIFFERENCE BETWEEN GAS TYPE AND OIL TYPE?

Oil type: Oil + Air : Normal performance Gas type: Oil + Gas : Better performance Gas type contains nitrogen gas.



O Bushing

Lower Bolt

XPin Type Bushing Suspension Strut t

Coil Over Type Strut Cartridge

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MAZDA									
				Front				Rear	
Model	Motor/Year/ Notes	Dee	Turne	Part No.		Dee	Turne	Part	No.
		Pos	Туре	Oil	Gas	Pos	Туре	Oil	Gas
3	2.0L, 2.3L 2004-2006	L			HST0020	L	Ō	HSA0005	
		R			HST0019	R		HSA0005	
3	2.0L, 2.3L 2007-2009	L		HST0020		L	Ō	HSA0005	
		R		HST0019		R	Ō	HSA0005	
3	2.0L, 2.3L 2010-2012	L		HST0020		L			
		R		HST0019		R			
5	2.3L 2006-2009	L		HST0020		L	Ō	HSA0005	
		R	╧	HST0019		R	Ō	HSA0005	
5	2.3L 2010-2013	L		HST0020		L	Ō	HSA0005	
		R		HST0019		R	Ď	HSA0005	
6	2.3L, 3.0L 2003-2008	L	<u>⊥</u> ∎	HCU0010		L	0	HSA0002	
		R	<u> </u>	HCU0009		R	0	HSA0002	
CX-9	3.5L V6 2007	L			HST0056	L	Ď	HSA0009	
	FWD: Grand Touring, Sport, Touring	R			HST0055	R	Ō	HSA0009	
CX-9	3.7L V6 2008-2012	L			HST0056	L	Ō	HSA0009	
	FWD: Grand Touring, GS, GT, Sport, Touring	R			HST0055	R	Ō	HSA0009	
CX-9	X-9 3.7L V6 2013 FWD: Grand Touring, GS, GT, Sport, Touring	L			HST0056	L			
		R			HST0055	R			

Upper Bolt

O Bushing Lower Bolt XPin Type Bushing Suspension Strut

Coil Over Type Strut Cartridge

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NISSAN									
				Front				Rear	
Model	Motor/Year/ Notes			Part	t No.		_	Part	No.
		Pos	Туре	Oil	Gas	Pos	Туре	Oil	Gas
200SX	2.5L 1995-1998	L				L	∎		HCU0016
		R				R	<u>⊥</u> ∎		HCU0016
Sentra	1.6L 1991	L		HST0046	HST0050	L		HST0044	HST0048
	E, GXE, SE, XE	R	±.	HST0045	HST0049	R	±.	HST0043	HST0047
Sentra	1991 Classic	L	±.	HST0046	HST0050	L			
		R		HST0045	HST0049	R			
Sentra	2.0L 1991-1994	L		HST0046	HST0050	L			
	SE-R	R		HST0045	HST0049	R			
Sentra	1.6L 1992	L		HST0046	HST0050	L			
	Classic, E, GXE, SE, XE	R		HST0045	HST0049	R			
Sentra	1.6L 1992	L				L			HST0048
	E	R	L.			R	<u> </u>		HST0047
Sentra	1.6L 1993	L		HST0046	HST0050	L			
	Base, E, GXE, XE	R		HST0045	HST0049	R			
Sentra	1.6L 1993	L				L	<u> </u>		HST0048
	Base, E	R				R			HST0047
Sentra	1.6L 1994	L		HST0046	HST0050	L			
	E, GXE, XE	R		HST0045	HST0049	R			
Sentra	1.6L 1994	L				L	L ■		HST0048
	E	R				R			HST0047
Sentra	1.6L, 2.0L 1995-2000	L				L	, <u>⊥</u> ,,		HCU0016
		R				R	<u> </u>		HCU0016

EyeringUpper Bolt

XPin Type Bushing

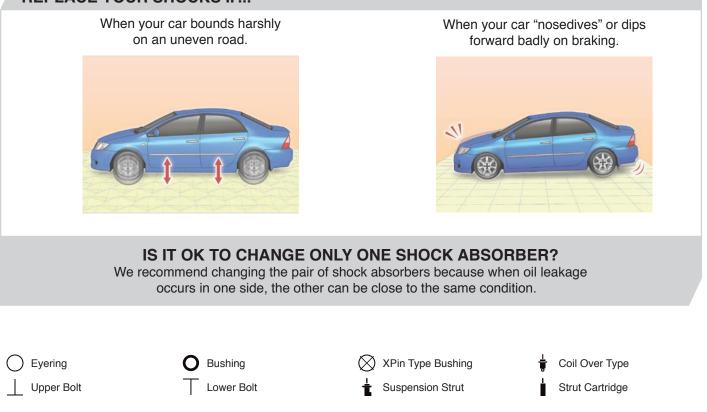
Coil Over Type

Suspension Strut

Strut Cartridge

NISSAN	NISSAN											
				Front		Rear						
Model	Motor/Year/ Notes	Dee	Tuno	Part No.		Dee	Tuno	Pa	rt No.			
		Pos	Туре	Oil	Gas	Pos	Туре	Oil	Gas			
Sentra 2.5L 1996-2000		L		HST0052		L						
		R		HST0051		R						
Sentra 2.5L 2001-2006	L		HST0054		L							
		R		HST0053		R						
Versa	1.8L 2007-2008	L			HST0002		Ō		HSA0001			
		R			HST0001		Ō		HSA0001			
Versa	1.6L 2009-2010	L			HST0002		Ō		HSA0001			
	to 9/09	R			HST0001		Ō		HSA0001			
Versa	1.6L, 1.8L 2011-2012	L	±.		HST0002		Ď		HSA0001			
		R			HST0001		Ō		HSA0001			

REPLACE YOUR SHOCKS IF...



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LEXUS									
				Front				Oil Gas HST0006 HST0006 HST0006 HST0006 HST0006 HST0006 HST0006 HST0006 HST0006 HST0006 HST0006 HST0006 HST0012 HST0012 HST0021 HST0022 HST0021 HST0022 HST0021 HST0022 HST0022 HST0023 HST0023 HST0026 HST0024 HST0027 HST0035 HST0035 HST0036 HST0035 HST0035 HST0035	
Model	Motor/Year/ Notes	Dec	Turne	Par	t No.	Dee	Turne	Part No.	
		Pos	Туре	Oil	Gas	Pos	Туре	Oil	Gas
ES300	3.0L V6 1992-1996	L				L			HST0006
	w/o TEMS	R				R			HST0005
ES300	3.0L V6 1997-2001	L			HST0008	L			HST0006
	w/o TEMS	R			HST0007	R			HST0005
ES300	3.0L V6 2002-2003 w/o TEMS, to 7/03	L			HST0024	L			HST0012
		R	L.		HST0023	R			HST0011
ES300	3.0L V6 2003	L			HST0026	L			HST0022
	w/o TEMS, from 7/03	R			HST0025	R			HST0021
ES330	3.3L V6 2004-2006	L			HST0026	L			HST0022
	w/o TEMS	R			HST0025	R			HST0021
RX300	3.0L V6 1999-2003	L				L			HST0028
		R				R			HST0027
RX330	3.3L 2004-2006	L			HST0016	L			HST0035
	FWD	R			HST0015	R			HST0036
RX330	3.3L 2004-2006	L	L L		HST0016	L			HST0035
	AWD	R	L L		HST0015	R			HST0036
RX350	3.5L 2007 AWD					L			HST0035
		R	L L			R			HST0036
RX350	3.5L 2007-2009	L	La		HST0016	L			
	AWD, FWD	R			HST0015	R			
RX400H	4.0L 2006-2008	L			HST0016	L			
AWD, F	AWD, FWD	R	L.		HST0015	R			

O Eyering

Upper Bolt

XPin Type Bushing
Suspension Strut

Coil Over Type

Strut Cartridge

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SCION												
			Front					Rear				
Model	Motor/Year/ Notes	Dec	Туре	Par	t No.	Dee	Tune	Par	t No.			
		Pos		Oil	Gas	Pos	Туре	Oil	Gas			
хD	1.8L 2008-2010	L			HST0060	L	b		HSA0007			
		R			HST0059	R	Ō		HSA0007			
хD	1.8L 2010-2014	L			HST0060	L						
		R			HST0059	R						

REPLACE YOUR SHOCKS IF...



When it makes a bad noise like grinding or banging.



WHAT IS THE TEMPERATURE A SHOCK ABSORBER CAN BEAR?

TOKICO shock absorbers can be operated in -40 degree temperatures. Initially the movement is not as smooth because the inner oil has thickened. However after you start driving, the oil temperature will rise causing the oil to thin out and normal performance can be expected. You should drive cautiously at first when temperatures are this low.



ΤΟΥΟΤΑ									
				Front				Rear	
Model	Motor/Year/ Notes		_	Par	t No.	Dec	_	Part No.	
		Pos	Туре	Oil	Gas	Pos	Туре	Oil	Gas
4Runner	4.0L V6, 4.7L V6 2003-2009	L	÷		HCU0014	L	Ď		HSA0003
		R			HCU0014	R	Ō		HSA0003
Avalon	3.0L V6 1995-2003	L				L			HST0006
		R				R			HST0005
Avalon	valon 3.0L V6 1997-2003	L			HST0008	L	⊣j∎		HST0006
		R			HST0007	R			HST0005
Avalon	3.5L V6 2005-2006	L				L			HST0022
		R				R			HST0021
Camry	2.2L, 3.0L V6 1992-2001	L				L			HST0006
		R				R			HST0005
Camry	2.2L, 3.0L V6 1997-2001	L	La la la la la la la la la la la la la la		HST0008	L			HST0006
		R	La la la la la la la la la la la la la la		HST0007	R			HST0005
Camry	2.4L, 3.0L V6 2002-2003	R			HST0024	L			HST0012
	to 7/03	R			HST0023	R			HST0011
Camry	2.4L, 3.0L V6 2003-2006	L	L.		HST0026	L			HST0022
	from 7/03	R	L L		HST0025	R	L L		HST0021
Camry	3.3L V6 2004-2006	L			HST0026	R			HST0022
		R			HST0025	L			HST0021
FJ Cruiser	4.0L V6 2007-2009	L	₽		HCU0014	L	Ď		HSA0003
		R	<u>⊥</u> ∎		HCU0014	R	Ď		HSA0003
Highlander	2.4L, 3.0L V6 2001-2003	L	La la la la la la la la la la la la la la		HST0016	L			HST0028
	to 8/03	R			HST0015	R			HST0027

EyeringUpper Bolt

XPin Type Bushing Suspension Strut Coil Over Type

Strut Cartridge

ΤΟΥΟΤΑ									
				Front			Rear		
Model	Motor/Year/ Notes	Pos	Туре	Part	t No.	Pos	Туре	Part No.	
		103	Type	Oil	Gas	103	турс	Oil	Gas
Highlander	2.4L, 3.3L V6 2004-2007	L			HST0016	L			HST0035
	AWD	R			HST0015	R	_j∎		HST0036
Highlander	3.3L V6, 3.5L V6 2008-2010	L			HST0030	L			HST0034
	AWD	R	<u> </u>		HST0029	R			HST0033
Highlander	2008-2013 FWD er 3.5L V6				HST0030	L			HST0032
		R			HST0029	R	1 1 1 1 1		HST0031
Highlander	ghlander 3.5L V6 2008-2013 AWD				HST0030				HST0034
		R			HST0029	R			HST0033
Prius	1.5L 2004-2009				HST0004	L	₽		HCU0003
		R			HST0003	R	∎		HCU0003
Prius	1.5L 2005-2009 from 3/05				HST0004				
		R			HST0003	R			
Prius C	1.5L 2012-2013			HST0060		L	Ō		HSA0007
		R		HST0059		R	Ō		HSA0007
Rav4	2.0L 1996-2000 Base				HST0058		Ō		HSA0008
		R	±.		HST0057	R	Ō		HSA0008
Rav4	2.0L 2001-2003				HST0018				
		R			HST0017	R			
Rav4	2.4L 2004-2005	L			HST0018	L	b		HSA0008
		R			HST0017	R	Ō		HSA0008
Rav4	2.4L 2006-2008	L			HST0014	L	0		HSA0004
		R			HST0013	R	0		HSA0004

Eyering ()Upper Bolt O Bushing Lower Bolt XPin Type Bushing Suspension Strut

Coil Over Type

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Strut Cartridge

Hitachi Automotive Systems Americas, Inc.

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ΤΟΥΟΤΑ	ΤΟΥΟΤΑ											
				Front				Rear				
Model	Motor/Year/ Notes	Dec	Turne	Par	t No.	Dee	Turne	Par	t No.			
		Pos	Туре	Oil	Gas	Pos	Туре	Oil	Gas			
Rav4	3.5L V6 2006-2008	L			HST0014	L	0		HSA0004			
	Base, Limited, Sport	R			HST0013	R	0		HSA0004			
Rav4	2.5L, 3.5L V6 2009-2012	L	L L		HST0014	L	0		HSA0004			
	Base, Limited	R	±.		HST0013	R	0		HSA0004			
Rav4	2.7L, 3.5L V6 2013	L				L	0		HSA0004			
		R				R	0		HSA0004			
Solara	2.2L, 3.0L V6 1999-2001	L	±.		HST0008	L			HST0006			
		R			HST0007	R			HST0005			
Solara	2.2L, 2.4L, 3.0L V6 1999-2003	L			HST0008	L			HST0006			
		R			HST0007	R			HST0005			
Solara	2.4L, 3.0L V6 2002-2003	L			HST0008	L			HST0006			
		R			HST0007	R			HST0005			
Solara	2.4L, 3.3L V6 2004-2006	L			HST0026	R			HST0022			
		R			HST0025	L			HST0021			
Tacoma	2.7L, 4.0L V6 2005-2014	L	₽		HCU0014	L						
		R	₿		HCU0014	R						
Yaris	1.5L 2006 CE, Core, LE, Premium,				HST0060	L						
	RS	R	L L		HST0059	R						
Yaris	1.5L 2010-2011	L			HST0060	L						
	Sedan: Base, Core, Premium	R			HST0059	R						
Yaris	′aris 1.5L 2012 Sedan: Base, Premium	L	La la la la la la la la la la la la la la		HST0060	L						
		R			HST0059	R						

EyeringUpper Bolt

Lower Bolt

XPin Type Bushing Suspension Strut Coil Over Type

Strut Cartridge

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ΤΟΥΟΤΑ									
Model	Motor/Year/ Notes	Front				Rear			
		Pos	Туре	Part No.		Dee	Tuno	Part No.	
				Oil	Gas	Pos	Туре	Oil	Gas
Yaris	1.5L 2013 Sedan: Premium	L			HST0060	L			
		R			HST0059	R			
Yaris	1.5L 2014 Sedan: Core, Premium	L			HST0060	L			
		R			HST0059	R			

Do not damage a piston like the below photographs or it may cause oil leakage.



HOW LONG HAS TOKICO BEEN MAKING SHOCKS?

TOKICO has been designing and manufacturing shocks for over half a century. In fact, TOKICO is the original developer of twin-tube low-pressure gas shock technology. We manufacture standard hydraulic, as well as mono-tube and twin-tube low -pressure gas shocks.



Bushing Ο

Lower Bolt

XPin Type Bushing Suspension Strut Ż

Coil Over Type Strut Cartridge

Hitachi Automotive Systems Americas, Inc.



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