

NEWS from
TOYOTA

FOR IMMEDIATE RELEASE
TOYOTA MOTOR CORPORATION

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GENERAL AND COUNTRY PRODUCT DIRECTOR

Received from our chief NEWSROOM with AT&T -- 1989 Toyota
USA will introduce three new models of its popular four-wheel-drive
compact pickup called the Land Cruiser and the Suburban.
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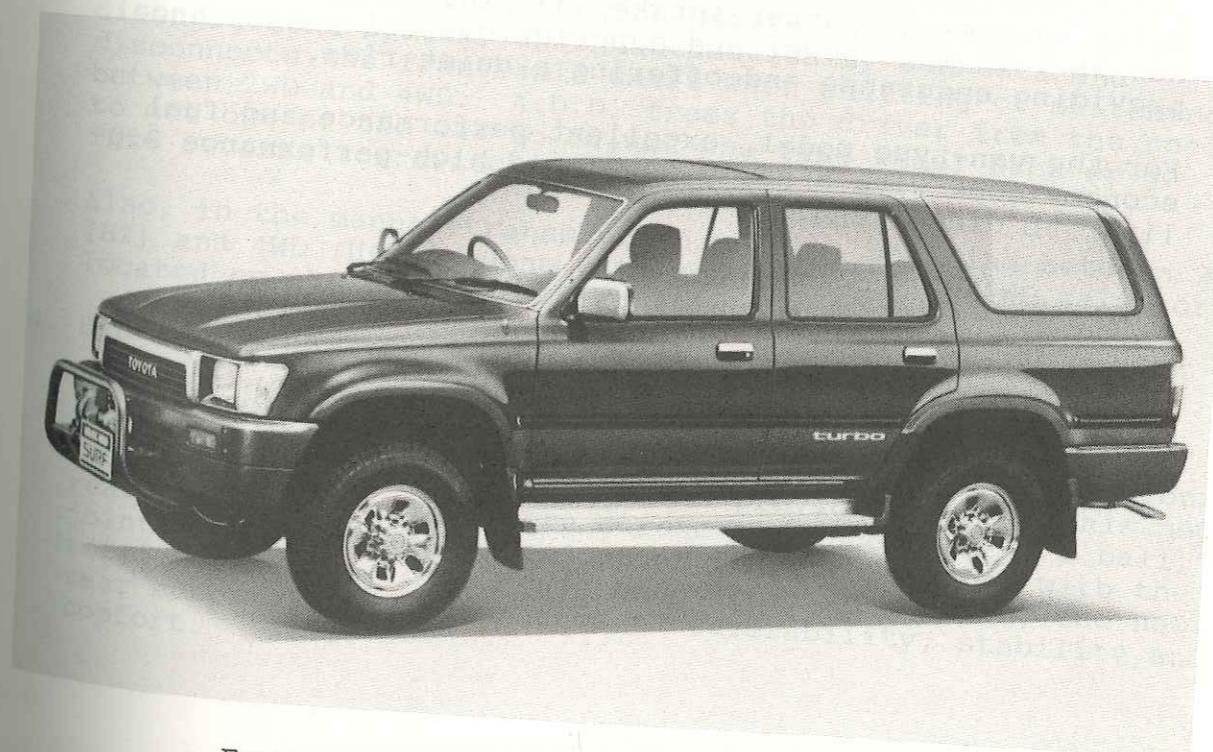
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FULL MODEL CHANGE FOR HILUX SURF

Toyota City -- TOYOTA MOTOR CORPORATION today announced a full
model change for its multi-purpose, four-wheel-drive (4WD) Hilux
Surf series (4Runner in the U.S.)



Four-door Hilux Surf Wagon SSR Limited

- more -

The new Hilux Surf series includes completely restyled interior and exterior designs and an expanded model lineup, with three new four-door models added. Also, in an important step forward in engine performance, major improvements have been made to the 2L-T II 2.4-liter turbocharged diesel engine, and a new 3L 2.8-liter diesel engine joins the lineup. Finally, overall vehicle performance has been enhanced through a new rear suspension configuration and a new 4WD system. The new 4WD system incorporates an Automatic Disconnecting Differential (A.D.D.) for smooth, on-the-fly shifting between the quiet, fuel-saving 2WD and the ground-grabbing 4WD.

Major features of the models are as follows.

1. Expanded model lineup

Four-door models have been added to both the wagon- and van-type lines, as well as a new diesel-engine wagon, boosting the utility of this extensive recreational vehicle line (seven types and 13 models).

2. Improved diesel-engine performance

Major components of the 2.4-liter 2L-T II turbo diesel engine, employed in the wagon-type models, have been redesigned for improved performance. A new direct-valve drive system and better intake and exhaust system give the new 2L-T II more power and superior overall performance, providing endurance and offering a quiet ride.

For the van-type model, excellent performance and fuel economy come with a newly developed high-performance 2.8-liter 3L diesel engine.

Main Specifications of the Diesel Engines

Engine	Displace- ment (cc)	Maximum power (ps/rpm)	Maximum torque (kg-m/rpm)	Fuel consumption* (km/L)
[Turbo]				
New 2L-T II	2.446	94/4,000	22.0/2,400	17.4
Prev. 2L-T	2.446	85/4,000	19.2/2,400	17.4
[Non-turbo]				
New 3L	2.779	91/4,000	19.2/2,400	17.5
Prev. 2L	2.446	76/4,000	15.7/2,400	17.0

Note: * = Constant speed of 60km

3. Newly developed A.D.D. and one-touch 2WD/4WD selector in M/T models

All models have been standard equipped with the A.D.D., a final reduction gear unit with built-in front drive shaft disengagement system, which automatically connects and disconnects the front-axle shaft when shifting or switching between 2WD and 4WD. A.D.D. frees the driver from the need to get out of the car to adjust the free wheel hubs or go into reverse for switching.

Also, in the manual-transmission models, shifting between 2WD (H2) and 4WD (H4) is done with a one-touch 2WD/4WD selector located on the transfer shift lever.

4. Better operability, stability and comfort

Newly developed, low friction, four-link coil springs have been used for the rear suspension, replacing the conventional leaf spring-type suspension of the previous model. This new rear suspension offers more stroke and incorporates a ball joint-linked stabilizer and other features. Along with the torsion bar type, double-wishbone front suspension, the new rear suspension helps enhance maneuverability, stability and comfort.

In addition, some models have been fitted with two-stage front and rear shock absorbers, which offer two levels of damping force (normal and hard) for both comfort and high-speed performance.

5. Completely restyled interior and exterior designs

On the exterior, an all-steel roof replaces the FRP rear cabin top of the previous model, and body surfaces have been flushed all around to create a more dynamic, refined and sportier style.

Inside, the cabin width has been increased, the instrument panel redesigned for easier reading and operation, and the air-conditioning and ventilation system improved to provide all the comfort of a passenger car. Also available are large glass, electric "moon roof," heater for the driver's seat, reclining back seats and other new equipment.

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Main Specifications : Hilux 4WD Surf

Model	Surf Wagon :		
	4-door SSR	2-door SSR	4-door SR
Length (mm)	4,470		
Width (mm)		1,690	
Height (mm)		1,745	
Wheelbase (mm)		2,625	
Tread front (mm)		1,430	
rear (mm)		1,425	
Curb weight M/T* A/T* (kg) (kg)	1,730 -	1,620 1,650	1,710 -
Engine model	2L-T II	3Y-E	2L-T II
Engine type	In-line, 4 cylinder OHC Turbo	In-line, 4 cylinder OHV	In-line, 4 cylinder OHC Turbo
Displacement (cc)	2,446	1,998	2,446
Bore x stroke (mm)	92.0 x 92.0	86.0 x 86.0	92.0 x 92.0
Compression rate	21.0	8.8	21.0
Maximum output (net) (ps/rpm)	94/4,000	97/4,800	94/4,000
Maximum torque (net) (kg-m/rpm)	22.0/2,400	16.3/3,800	22.0/2,400
Fuel consumption **			
M/T A/T (km/l) (km/l)	17.4 -	14.6 14.2	17.4 -
Fuel supply system	Distribution-type fuel injection	EFI	Distribution-type fuel injection
Fuel capacity (l)		EFI	Distribution-type fuel injection
Steering			65
Suspension	front rear	Recirculating ball Double wishbone with torsion bar	
Brake	front rear	4-link, coil spring with stabilizer Disk	
		Leading and trailing	

* M/T = manual transmission, A/T = automatic transmission; ** constant speed at 60km