

New head restraint system in Infiniti sedans will help reduce whiplash injuries suffered in rear-end collisions

Nissan plans to launch an active head restraint system for driver and front passenger seats on most Infiniti sedans sold in North America beginning later this year.

Test data on the new technology was presented at an engineering conference in Vancouver, B.C., Feb. 8 to 11.

The system is designed to help reduce the sort of whiplash neck injuries suffered primarily in rear-end collisions.

sions.

It is made under license from Lear Corporation and is already standard equipment on three Nissan models sold in Japan — the Cima and Cefiro sedans and the Sunny sub-compact.

It will become standard equipment on model year 2000 Infiniti Q45 and I30 luxury sedans and will be installed on

other Infiniti and Nissan vehicles in future.

Nissan also plans to introduce the active head restraint system in European market vehicles beginning in early 2000.

Whiplash injuries result from sudden misalignment of the neck and head when a vehicle is struck from behind. The body is pushed forward by the seat while the head — if unsupported — fails to move in the same direction.

This kind of force causes the head to snap backwards, stretching and bending the neck.

Nissan's analysis of test data obtained in volunteer medical experiments with a prototype seat, found the active head restraint provides specific benefits to the three primary movements in the neck during rear-end collisions:

- The neck injury criterion value, an index of the severity of the head's backward movement, was reduced by about 65 per cent.

- The backward rotational angle of the head, resulting from retroflexion (backward jolting) of the neck, was reduced by about 35 per cent.

Nissan's active head restraint system mechanically moves the seat's head restraint upward and forward, providing support for the occupant's head. Springs in the seat structure return the headrest to its normal position after the collision.

NISSAN V6 HONOURED

The 3.0-litre, V-6 engine in the Nissan Maxima and Infiniti I30 sedans has been named for the fifth straight year to the Ten Best Engines list compiled by editors at Ward's Communications, Inc., a leading automotive trade publisher.

The Nissan VQ engine is one of only two engines voted to the list every year that editors of Ward's *Auto World* magazine and Ward's *Engine and Vehicle Technology Update* newsletter have named the best engines in vehicles sold in North America.

Nissan's new-generation three-litre VQ engine was introduced in the 1995 Nissan Maxima and the 1996 Infiniti I30. It features microfinishing of camshafts and crankshafts, a digital knock-control system and a cross-flow coolant pattern.

The engine produces more power (190 horsepower) and torque (205 ft/lb), while being more fuel efficient, quieter and smaller than its predecessor, the 3.0-litre VG engine — also regarded as one of the best V6s ever engineered.

"The 3.0-litre VQ is uncategorically delightful," said Bill Visnic, technical editor of *Auto World*. "Five years after its launch, it remains in the opinion of Ward's Best Engine testers, the best V-6 available in the U.S. at any price."

"Being named to this list is a great honour, and being named every year the list has been made is even a greater honour," said Shigeo Ishida, president of Nissan Research and Development, Inc., who accepted this year's award on behalf of Nissan.

This VQ engine, which also is used in Nissan products in Europe and Japan, truly is a world-class engine in world-class cars.

"We are working on expanding the use of VQ engines in the near future, and the results of that work will be showing up soon in North America," he said.

Nissan's North American operations include styling, engineering, manufacturing, sales, consumer and corporate financing, and industrial and textile equipment.

Nissan in North America employs more than 20,000 people in Canada, the United States and Mexico, and generates more than 70,000 jobs through more than 1,500 Nissan and Infiniti dealerships across the continent.



McArthur Ford

presents



Mustang Roundup!



Celebrating 35 years of Mustangs!



Mustang was first introduced April 17, 1964

Visit McArthur Ford between April 12 & 17. We have "rounded up" both old and new Mustangs for your viewing pleasure.

The first 75 Families will receive the latest Rand McNally Street Finder FREE OF CHARGE (value \$19.95)



Win

Lucky Draw

Win

Retail Value \$344.00

BRAND NEW

1999 MUSTANG COUPE \$19,995

1999 MUSTANG CONVERTIBLE \$23,595



1999 Mustang Coupe

One of top 15 Volume Dealers in Canada in Ford Car Sales 1994 - 1998



See the 1965 Shelby GT350 Number 91 of 515 Produced 289/390 H.P. / 8 Webbers

THE PLAN

The 24, 30, & 36-month PLANS are our popular vehicle leasing alternatives. The Plans give you the flexibility to enjoy a new vehicle, and then give you the option of keeping it, trading it or walking away at the end of the lease term. No Gimmicks! No Fine Print! Find out more about The Plan at McARTHUR FORD.

Prices plus freight, all taxes, factory order required.

McARTHUR FORD

(905) 474-1350 1-800-810-2061

KENNEDY RD. JUST SOUTH OF HWY. #7



NOW AVAILABLE



10TH ANNIVERSARY MIATA
One of Only 150 in Canada

48 months, \$1800 down includes freight & P.D.E. 1st, sec., lic., taxes, admin., gas extra. Finance 3.9% up to 60 months, no limit, O.A.C. Offers cannot be combined.

DYNAMIC DUO

1999 PROTEGE SE

PURCHASE \$14,995 LEASE \$199/MTH *
from from



ISO 9001 CERTIFIED

KoVac Mazda

294-1210
Get In • Be Moved
5396 HIGHWAY #7