

1988

X R 4 T i

IMPORTED FROM GERMANY FOR
LINCOLN MERCURY DIVISION





Monochromatic Diamond White with optional moonroof.



R4Ti. THE SPORTS COUPE THE MEEK WILL NEVER OWN.

Its message is simple and to the point. The XR4Ti is not intended for drivers seeking to be just like everybody else. To the contrary, XR4Ti is intended for those who are bored by sameness and disinterested in somebody else's definition of success.

The turbocharged XR4Ti is aimed directly at that independent sliver of the population that still gets emotional over an exceptional automobile. People who actually see the automobile as a most satisfying form of personal expression and entertainment. People who think driving should be *fun*.

From Germany...with all due speed. XR4Ti is built in West Germany by famed coachbuilder Karmann. If no one told you it was from Germany you'd know it after one drive. It has the taut feel and spirited reflexes indicative of a European road car.

XR4Ti is available for your inspection at any one of 730 Lincoln-Mercury dealers specially selected to offer this performance coupe.



MOVING VIOLATION OF CONVENTIONAL DESIGN. XR4Ti boldly looks down its aerodynamic nose at square-edged coupes and sedans, automobiles whose conservative shapes have changed little since the '70s. XR4Ti doesn't look like those cars because it wasn't around during the '70s. It was designed for this decade. Its designers had the considerable advantage of using the latest advances in aerodynamics without being restricted by an older established look. The result is a fresh avant-garde appearance.



Rosso Red.



Optional Shadow Gray leather interior.



IT WON'T HURT YOUR FEELINGS. The effective driver is the one who feels not just comfortable but intimately familiar with his or her surroundings. Everything should feel right, as if built specifically for the driver's dimensions.

Engineers call it ergonomics—the interaction between man and machine. In XR4Ti, ergonomics means controls that come naturally to your hands, analog gauges that communicate information with a quick glance. It means that when you slip behind XR4Ti's padded steering wheel, you immediately experience a sense of belonging.

Seats you sit in—not on. XR4Ti's anatomically designed front seats incorporate integral thigh and back supports to keep you firmly in place. Both seats have infinitely adjustable seatbacks, adjustable lower lumbar supports and four-way adjustable headrests. The driver's seat also has a height adjustment. Cloth is the standard upholstery. Ventilated leather (in Shadow Gray or Spice Brown) is offered as an option.



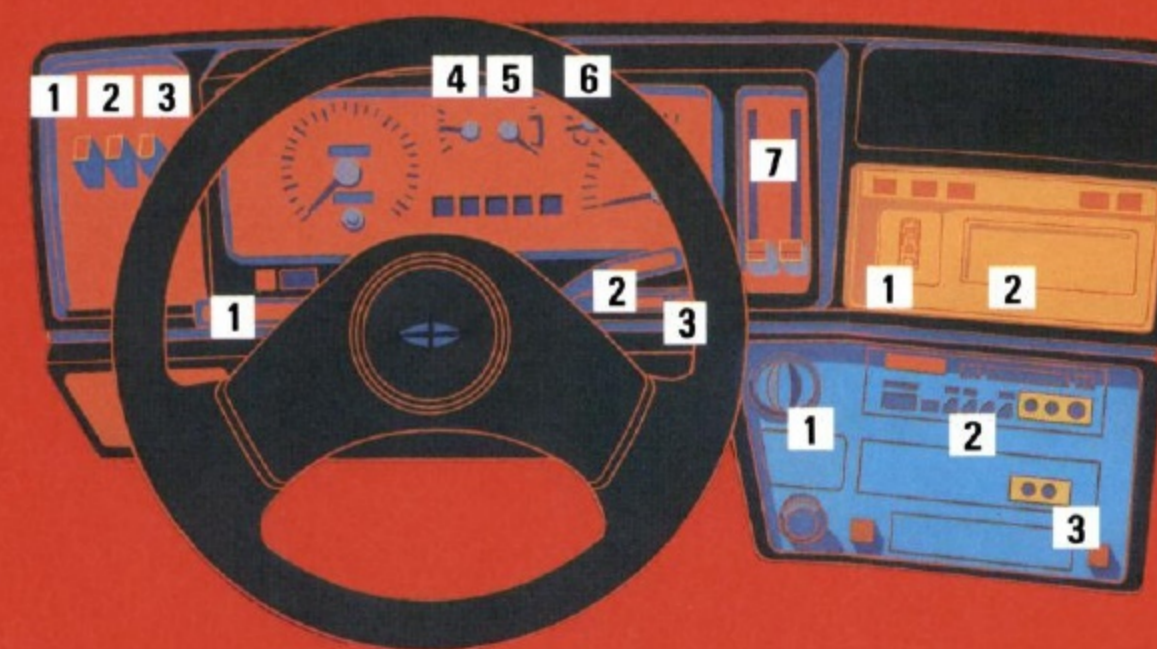
Power windows are standard, controlled by ergonomically designed rocker switches.



Optional tilt/slide moonroof with sunscreen.

K

KNOWLEDGE IS POWER. On the road, staying informed means staying in control. XR4Ti presents information in a no-nonsense manner—complete analog gauges (including turbo boost), backlit at night to reduce glare. Controls are clustered and positioned based on the priorities of driving function and frequency of use. Vital controls—lights, high beams and wipers, for example—are mounted on convenient steering column stalks.



- 1 Fog lamps
- 2 Rear defroster
- 3 Rear wiper/washer
- 4 Fuel gauge
- 5 Temperature gauge
- 6 Turbo boost gauge
- 7 Climate control

- 1 Graphic alert module (alerts driver to open door, lamp outages and possibility of road icing)
- 2 Clock/calendar/alarm

- 1 Turn signal/headlamp high-beam
- 2 Headlamp on/off
- 3 Wiper/washer

- 1 Air conditioning/fan control
- 2 AM/FM stereo cassette player with separate power amplifier
- 3 Heated seats (optional)





IT'S A MATTER OF DETAIL. The true test of any civilized automobile is how it cares for its occupants. A high level of standard equipment and fastidious attention to detail make the difference.

More power to you. XR4Ti is equipped with all the necessary power conveniences. All standard, of course. That includes power cen-



Door handle-integrated control for standard power door locks.

tral door locks, power windows and dual power outside mirrors. Air conditioning is also standard.

A foul-weather friend. XR4Ti is extensively equipped to help you cope with inclement weather. Integrated fog lamps, heated outside mirrors, rear wiper/washer, rear-window defroster, intermittent front wipers and side-window demisters all are standard.

That's entertainment. XR4Ti's standard sound system is far from standard. It's an electronic AM/FM stereo cassette with Dolby,® auto-reverse, 12-station memory, seek/scan features, a power amplifier and four speakers. Convenient cassette storage is provided in the center console.



AM/FM stereo cassette with power amplifier.



AN OBJECT LESSON IN SPACE UTILIZATION. Sooner or later it happens. You're summoned to pick up a friend whose bicycle has a flat tire 20 miles from the nearest service station. Or you find a rare antique rocking chair at an equally rare price.

Inevitably, your automobile is called upon to move more than just people. Some cars just aren't up to the task. The XR4Ti is. Its hatchback opens wide to accept all types of cargo.

XR4Ti's fold-down rear seats are split in 60% and 40% sections. Fold down the smaller section and you can carry two passengers, plus long objects. With the larger section down, you can still carry one rear passenger plus a greater amount of cargo. Or fold the entire seatback flat and obtain 35.5 cu. ft. of space.



Hatchback and 60/40 split fold-down rear seating provide extra measure of versatility.

A rarity: rear-seat room. XR4Ti is a five-passenger sedan, with rear-seat legroom and headroom for three. When the middle seat is unoccupied, a fold-down center armrest provides extra comfort.



Raven/Shadow Gray cloth interior.

T

HROUGH THE INVISIBLE WALL. Air can be an automobile's biggest adversary. At highway speeds, a considerable amount of engine power is used simply to overcome wind resistance. The less a car fights this invisible wall, the better.

But modern aerodynamic design goes beyond cutting wind resistance. When properly manipulated, the air passing over an automobile can become an ally. It can provide better engine and brake cooling, reduced wind noise and improved handling. And that's what designers achieved in XR4Ti.

It required almost 4,000 hours and nearly 1,000 separate wind tunnel tests.



XR4Ti's shape is the result of extensive wind-tunnel testing.

But the hard work paid off with the creation of an aerodynamic shape that is bold and innovative.

R

IGHT ANGLES ARE ALL WRONG. XR4Ti reveals almost a total absence of abrupt angles or hard lines. Each plane flows smoothly into the next. The traditional grille area that makes the front of conventional automobiles tall and wide gave way to a smooth wedge-shaped nose. The windshield and rear window are steeply raked to encourage the smooth flow of air.

And XR4Ti's shape uses the wind for its own gain. For example,

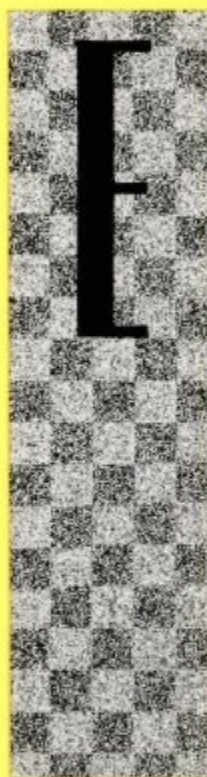
airflow over the rear spoiler reduces rear-axle lift, while "strakes" along the rear quarter windows improve straightline stability.



Decklid spoiler helps reduce rear-axle lift at speed.



Monochromatic Black



ENGINEERED TO PUT A GRIN ON YOUR FACE. There's one element you won't find on XR4Ti's standard equipment list. But it's definitely part of the package. It's the element of *fun*. Quite simply, XR4Ti was engineered to be fun to drive. Quick. Responsive. Well-mannered.



2.3-liter turbocharged OHC engine features advanced electronic controls.

A fast lesson in advanced engineering. XR4Ti can sprint to 60 mph in just 7.8 seconds—so you have power when you need it. Its overhead cam 4-cylinder engine displaces only 2.3 liters, yet it produces 175 horsepower (SAE)—as much power as many engines with twice the displacement and double the number of cylinders. The secret behind XR4Ti's considerable power: turbocharging and multi-port fuel injection, monitored and precisely controlled by one of the world's most advanced electronic engine control systems.

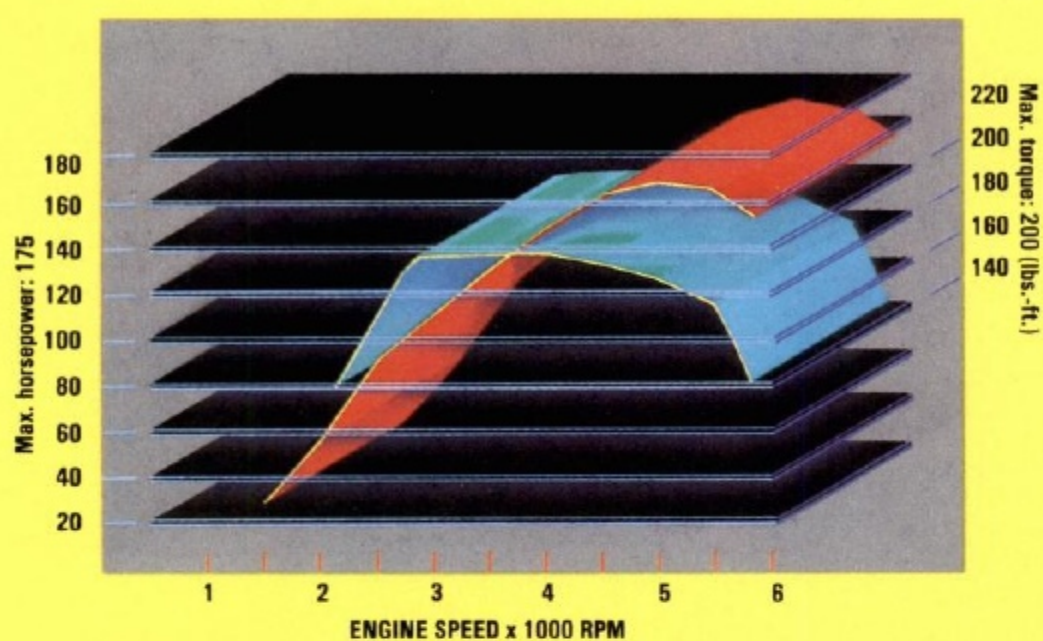


Chart shows XR4Ti engine horsepower and torque curves.

A 5-speed manual overdrive transmission is standard, while a 3-speed automatic is available as an option.

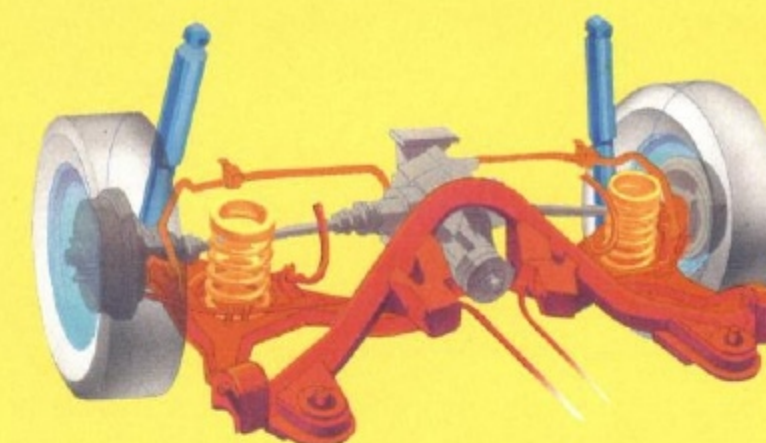


SUSPENSION THAT HANDLES THE REAL WORLD. It's easy to design an automotive chassis that generates impressive skidpad numbers. But who drives on a skidpad? The real challenge is engineering a suspension that is entertaining yet capable of coping with the bumps, washboard and other unexpected obstacles of the real driving world.

It's a challenge met in XR4Ti's fully independent suspension. It strikes a rewarding balance between good cornering ability and true long-distance Grand Touring comfort.

Up front, XR4Ti uses gas-pressurized MacPherson struts with coil springs and a 26mm stabilizer bar to help reduce body lean during hard cornering. In the rear, XR4Ti is suspended on independent semi-trailing arms with variable-rate coil springs, gas-pressurized shocks and a 10mm stabilizer bar. Tires are low-profile 15-inch Pirelli P6s mounted on cast-aluminum alloy wheels.

Stay on course. XR4Ti's power rack-and-pinion steering system uses a variable-ratio rack, providing good feedback and on-center feel on the highway and low effort during maneuvers such as parking.



Independent semi-trailing arm rear suspension.



XR4Ti's performance has been proven in SCCA's Trans-Am racing series, where it led Lincoln-Mercury to the 1986 championship title and went 5-for-5 through mid July of the 1987 season.



68.0

57.2



57.8

53.8



102.7

178.4

**XR4Ti
SPECIFICATIONS**

Vehicle type: five-passenger, two-door hatchback coupe

DIMENSIONS:

Wheelbase (in.):	102.7
Track (in.) front:	57.2
rear:	57.8
Length (in.):	178.4
Width (in.):	68.0
Height (in.):	53.8
Curb weight (lbs.):	2920
Weight distribution (%) F/R:	53/47
Fuel capacity (gal.):	15.0
Oil capacity (qt.):	5.0
Cargo space (cu. ft.) rear seatback up:	17.7
rear seatback down:	35.5

ACCOMMODATIONS:

Headroom (in.)	front:	38.5
	rear:	37.7
Legroom (in.)	front:	41.0
	rear:	34.4
Hiproom (in.)	front:	51.2
	rear:	44.6
Shoulder room (in.)	front:	53.9
	rear:	54.1

ENGINE:

Layout:	front engine, rear drive
Type:	inline overhead cam turbocharged four-cylinder
Displacement (liters/cu. in.):	2.3/140
Bore & stroke (mm/in.):	96.04 x 79.40/3.78 x 3.12
Compression ratio:	8.0:1
Horsepower @ rpm (SAE net):	175 @ 5000*
Torque @ rpm (lbs.-ft. SAE net):	200 @ 3000*
Redline (rpm):	6200
Peak boost (psi):	15.0
Fuel delivery:	multi-port electronic fuel injection
Fuel requirement:	92 octane premium unleaded (anti-knock index)
Lbs./hp:	16.7:1
Zero-to-60 mph (seconds):	7.8

DRIVETRAIN:

Transmission type:	five-speed manual	three-speed auto
Gear ratios: I:	3.36:1	2.47:1
II:	1.81:1	1.47:1
III:	1.26:1	1.00:1
IV:	1.00:1	
V:	0.83:1	
axle ratio:	3.64:1	3.36:1

CHASSIS:

Body:	unit construction with welded stamped-steel panels
Suspension front:	independent with MacPherson struts, lateral links, coil springs, gas-over tube shocks, 26mm stabilizer bar
rear:	independent with tubular subframe, semi-trailing arms, coil springs, gas-over tube shocks, 10mm stabilizer bar
Steering type:	variable-ratio power-assisted rack-and-pinion
Overall ratio:	12.6:1
Turns, lock to lock:	2.42
Turning circle (ft.):	35.4
Brakes front:	10.2-inch power-assisted disc
rear:	10.0 x 2.2-inch power-assisted drum
Wheels:	15 x 5 1/2-inch cast-aluminum alloy
Tires:	195/60HR15 Pirelli P6 steel-belted radial tires

*XR4Ti with automatic transmission is rated 145 hp. at 4400 rpm, and 180 lbs.-ft. of torque at 3000 rpm (SAE).

XR4Ti SELECTED STANDARD FEATURES

FUNCTIONAL

- Full analog instrumentation, including speedometer, tachometer, and turbo boost gauge. Indicator lights for oil pressure, turn indicators, high beam, charge system/handbrake/brake failure, low coolant, low fuel, low washer fluid and front brake pad wear
- Graphic information module, including three-way door ajar, bulb outage monitor and warning of possible road-icing conditions
- Variable speed intermittent windshield wipers
- 15-gallon fuel tank
- 15-inch mini spare tire

EXTERIOR

- Integrated halogen headlights
- 5-mph polyurethane front and rear bumpers with integral side marker lamps
- Polycarbonate bodyside protection cladding with wheel lip covers
- Low-drag aerodynamic-designed body with 60-degree windshield, 65-degree backlite, rear quarter-window strakes, rear spoiler and rocker panel wheel air deflectors
- Blackout treatment on windshield window, and backlite moldings, cowl top panel, license plate housings and door handles
- Tinted glass

CONVENIENCE

- Electronic AM/FM stereo cassette radio with auto-reverse, seek/scan, 12-station memory, Dolby,™ power amplifier, four speakers and backlite-integrated antenna
- Torch key
- Footwell courtesy lights with time delay
- Overhead console with dual adjustable map lights
- Rear window wiper and washer
- Power central door locking system
- Power windows
- Dual power heated outside rearview mirrors
- Electric rear window defroster with element surround on rear wiper
- Coin storage area

INTERIOR

- Cloth-covered front bucket seats with infinitely adjustable manual reclining seatbacks, adjustable lumbar support and four-way adjustable headrests
- Driver's seat manual height adjustment
- Sport steering wheel
- Front and rear seat center armrests
- Front and rear outboard inertia reel three-point safety belts and rear center safety lap belt
- Side window demisters
- Passenger assist handles (3)
- Illuminated passenger-side visor vanity mirror
- Front seatback map pockets
- Carpet-covered door storage bins
- Asymmetrically split (60/40) folding rear seats
- Two-piece rear window ledge with storage box
- Cargo compartment tie-downs
- Cloth-covered molded headliner
- Passenger and cargo compartment cut-pile carpeting

XR4Ti OPTIONS

- 3-speed automatic transmission
- Shadow Gray or Spice Brown leather interior
- Tilt/slide screened glass moonroof
- Heated front seats (limited availability)

XR4Ti EXTERIOR AND INTERIOR COLORS

- Monochromatic Black with Raven/Shadow Gray cloth interior
- Monochromatic Diamond White with Raven/Shadow Gray cloth interior
- Rosso Red with Raven/Shadow Gray cloth interior
- Regency Red Metallic with Raven/Shadow Gray cloth interior
- Strato Silver Metallic with Raven/Shadow Gray cloth interior
- Chestnut Metallic with Spice Brown cloth interior
- Biscay Blue Metallic with Raven/Shadow Gray cloth interior
- Crystal Blue Metallic with Raven/Shadow Gray cloth interior
- Sand Gold Metallic with Spice Brown cloth interior
- Leather interior available in Shadow Gray (replacing Raven/Shadow Gray cloth) and Spice Brown

WARRANTY

- XR4Ti is protected by 6-year/60,000-mile major component coverage and 6-year/100,000-mile corrosion coverage. Restrictions and deductible apply. Ask to see a copy of this limited warranty at a Lincoln-Mercury dealer. Selected parts of the following systems are covered.
 - Engine
 - Transmission
 - Rear-wheel drive
 - Engine cooling and fuel
 - Steering
 - Suspension
 - Brakes
 - Electrical
 - Air conditioning
 - Electronic components

SERVICES



You can have coverage on certain selected components on your new XR4Ti for longer than the basic warranty. The cost is low, so it could pay for itself the first time needed. Ask a dealer for complete details on the Ford Extended Service Plan.



Participating Lincoln-Mercury dealers offer to guarantee their service work on your XR4Ti for as long as you own it. This Lifetime Service Guarantee means that you pay for a covered repair only once. If it ever has to be fixed again, the repairing dealer will fix it free. Free parts. Free labor. And it doesn't matter where the car was purchased. This limited warranty covers vehicles in normal use. The only items not covered are routine maintenance parts, belts, hoses, sheet metal and upholstery. Ask your dealer to show you a copy of the Lifetime Service Guarantee.

PAID REPAIR PROGRAMS AFTER THE WARRANTY PERIOD.

Sometimes Ford Motor Company offers adjustment programs to pay all or part of the cost of certain repairs. These programs are intended to assist owners and are in addition to the warranty or to required recalls.

TECHNICAL SERVICE BULLETINS.

All vehicles need repairs during their lifetime. Ford issues Technical Service Bulletins (TSBs) and easy-to-read explanations describing unusual engine or transmission conditions which may lead to costly repairs. They also describe the recommended repairs and give new repair procedures. Often a repair now can prevent a more serious repair later.

Ask Ford Motor Company or a Lincoln-Mercury dealer about Ford-paid repair programs and TSBs relating to your XR4Ti.

To get copies of materials for your XR4Ti, call Ford toll-free at 1-800-241-3673.

In Alaska or Hawaii, call 1-800-241-3711.

In Georgia, call 1-800-282-0959.

You can also write Ford at Ford Customer Information Service, Post Office Box 95427, Atlanta, GA 30347. Please include your name, address, vehicle make, model and year, and engine and transmission type.

IS LEASING FOR YOU?

There may be considerable advantages in leasing a new XR4Ti.

Leasing can free up your capital and may reduce your monthly cash outlay. If the car is used for business, record-keeping may be simplified. A Lincoln-Mercury Dealer Leasing Association member can help design a lease program that is exactly right for you.

REGARDING THIS CATALOG...

Specifications and descriptions used were in effect when this publication was approved for printing.

Lincoln-Mercury reserves the right to discontinue options at any time, or change specifications, equipment or designs without notice and without incurring obligation. Standard and optional equipment listed is subject to change. Some features described are optional at extra cost. Some options are required in combination with other options. Availability of some features may be subject to a slight delay.

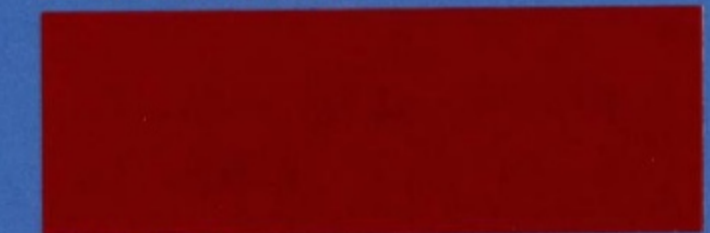
Refer to the XR4Ti owner's manual for specific service requirements and added operations related to severe service applications.



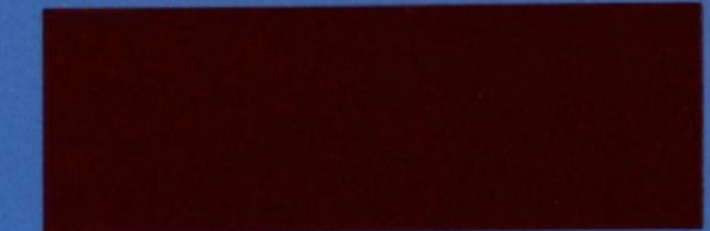
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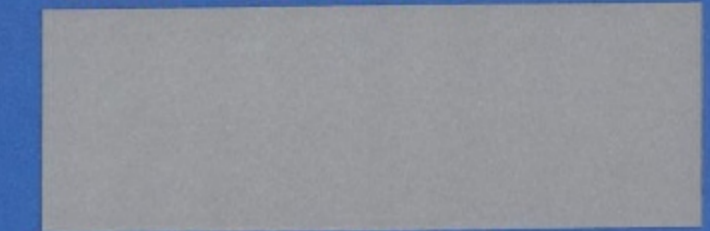
DIAMOND WHITE



ROSSO RED



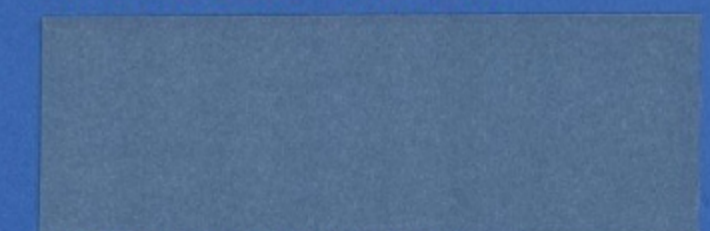
REGENCY RED METALLIC



STRATO SILVER METALLIC



CRYSTAL BLUE METALLIC



BISCAY BLUE METALLIC



SAND GOLD METALLIC



CHESTNUT METALLIC



THE XR4Ti COMMITMENT. The commitment that goes into every XR4Ti doesn't end when each car leaves Germany. In fact, it is then that the most crucial stage begins: assuring that the owning and servicing of your XR4Ti remains a totally satisfying experience.

When XR4Ti arrives at North American shores it is individually inspected and test-driven to ensure that quality standards have been maintained. Once at the dealership, each car again is inspected, driven and given final preparation before it is released to a customer.

There are more than 730 Lincoln-Mercury dealers authorized to sell XR4Ti—nearly twice as many as most other European importers—and each has been carefully selected to assure the highest standards in sales and service operations.

Buckle up—together we can save lives.

LINCOLN-MERCURY DIVISION 