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An engine that breathes deeply during a rush to the redline. A chassis that balances poise with predictability. SVT combines these virtues with finesse, in vehicles that deliver exhilarating driving experiences.

THE PURE PASSION OF DRIVING AS IT WAS MEANT TO BE

PERFORMANCE

Increased power, refined road manners, and balance among engine, suspension and braking systems.

SUBSTANCE

Character that is built in, not added on.

EXCLUSIVITY

Low-volume, limited-production products available only from specially trained dealers.

VALUE

A lot of performance and driving pleasure for the money.

SVT F-150 LIGHTNING AWESOME FUN

IN THE LAST HALF OF THE 20TH CENTURY, trucks evolved beyond their original role as beasts of burden. They became vehicles used for fun, not just work. It was natural, then, that SVT's second project a decade ago was the ultimate expression of a fun truck — high performance, exciting to drive.

This second-generation SVT F-150 Lightning is all of that, with its supercharged engine, 4-wheel disc brakes, short-bed, flareside box, twin exhaust tips tucked under the lower right-side molding, and its lowered, SVT-tuned suspension.


It has the athletic look of a predator, ready to pounce. A run-of-the-mill pickup it most definitely is *not!*



1993 Ford SVT F-150 Lightning

MONUMENTAL POWER THAT'LL PASTE A SMILE ON YOUR FACE





Supercharging increases the pressure inside an engine.
That is why SVT specified special pistons for the Lightning.
The piston connecting rod pins are sturdier as well.



SUPERCHARGED 5.4L SOHC V8 380 HORSEPOWER 450 FOOT-POUNDS OF TORQUE IRRESISTABLE ABILITY TO ACCELERATE

WITH ALL THAT POWER generated by its supercharger and inter-cooler, the SVT Lightning's Triton™ V8 has to be built with the most robust components. The basic engine architecture is the foundation for it all. There is the inherent rigidity of a cast-iron block with deep skirts that extend below the centerline of its forged-steel crankshaft. Then there are forged, dished-top SVT pistons that lower the compression ratio to 8.4:1. They also are plenty rugged to withstand the added combustion pressure from supercharging.

Aluminum-alloy heads are bolted on top of the cylinder banks. Each head contains a single, chain-driven camshaft that activates the valves through roller-finger followers with hydraulic lash adjustment.

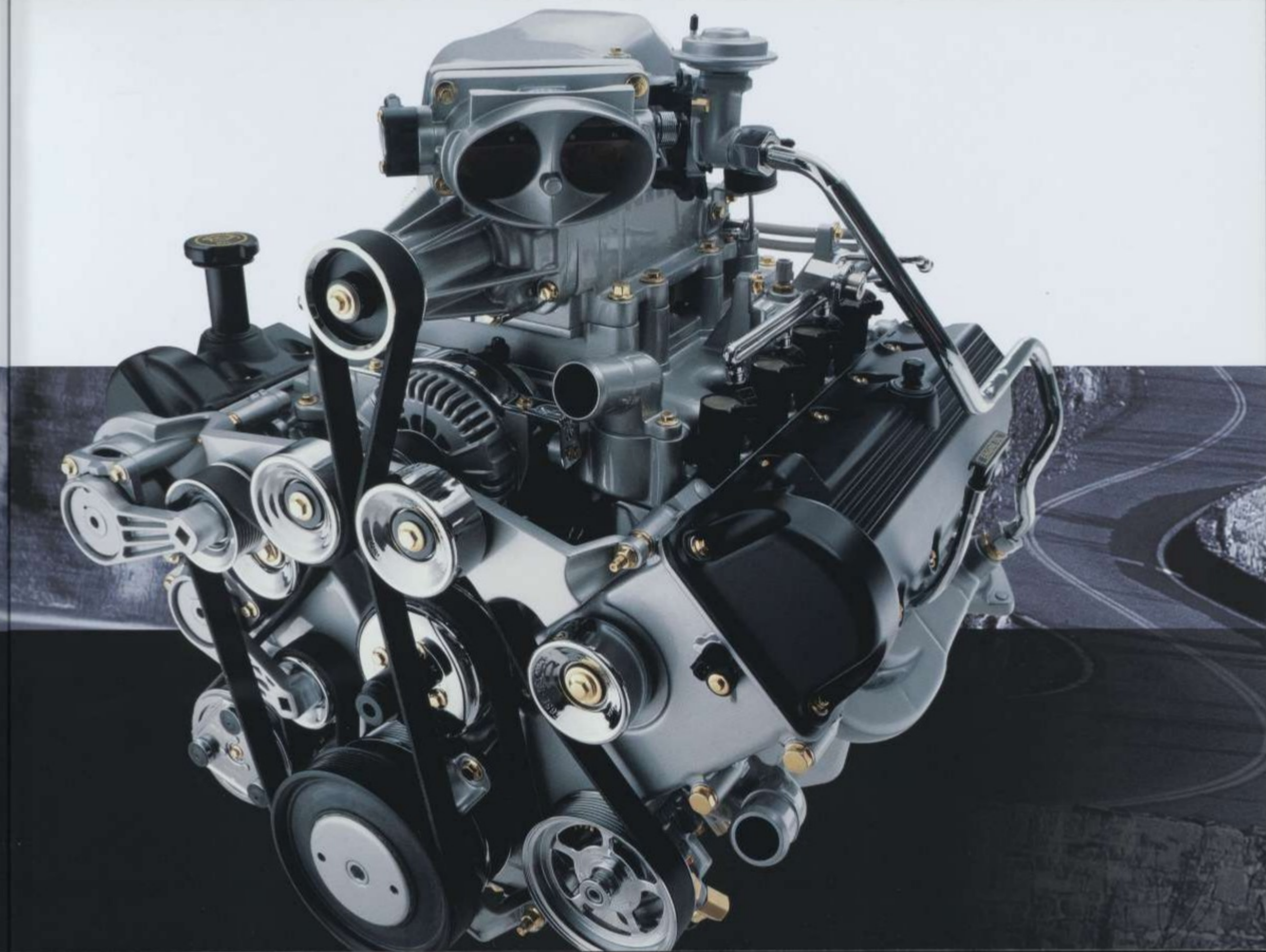
The engine's intake strokes pull in air through a special, large-capacity air cleaner and duct, then through a 90mm mass-air sensor and a dual-bore 57mm throttle body, and into the Eaton™ Corporation Generation IV supercharger, which compresses the air to 8.0 psi. This Roots-type unit has a cast-aluminum case, precisely machined aluminum internal rotors and a dedicated drive belt. A water-to-air intercooler, mounted between the supercharger and intake manifold, removes heat gained during compression, creating a denser, more powerful charge.

The cooled air passes through specially tuned, high-flow manifold runners and intake ports to the 44.5mm intake valves, which swirl the mixture into the eight combustion chambers.

On the exhaust stroke, spent gases flow freely through tuned, cast-iron manifolds and the dual exhaust system.

This high-performance powerplant is protected by the Ford Super Engine Cooling package, plus an engine oil cooler, which provide extra cooling capacity for spirited driving or towing.

The SVT Lightning's specially developed, 4R100 four-speed automatic transmission contains many components from the commercial transmission used with Ford's Power Stroke™ diesel engine. An Auxiliary Transmission Cooler package helps maintain the condition of the transmission fluid. A 4.5-inch aluminum drive shaft transmits power to the 3.73:1 ring-and-pinion gears in the 9.75-inch limited-slip differential.







THE SVT PERFORMANCE PHILOSOPHY won't allow compromise when it comes to an agreeable balance between power and handling ... and the SVT F-150 Lightning is no exception.

SVT suspension engineers have developed a system that gives the Lightning remarkably agile handling. It will accelerate with aggressive assurance, carry a 1350-pound payload, tow a 5,000-pound trailer, and ride with exceptional aplomb.

Gas-charged Bilstein monotube shock absorbers at all four corners have damping characteristics designed for optimum wheel control, especially on the rebound stroke. The shocks contribute significantly to the smooth, compliant feel of the Lightning's ride.

The front suspension is an upper and lower A-arm design, with a specially designed 31mm solid stabilizer bar and SVT coil springs that lower the front of the truck by a half inch.

The solid rear axle assembly features an SVT five-leaf spring system, arched to lower the rear chassis by two inches, and an SVT 23mm solid stabilizer bar. The right-rear shock is staggered toward the front of the truck, which limits axle tramp under aggressive acceleration.

A power-assisted recirculating-ball steering system communicates clearly and precisely with the driver about adhesion and surface conditions.

The Lightning's four-wheel disc brake system comes from the much larger F-250 truck. The front rotors, 12.1 inches in diameter, are 4.0mm thicker than those on the standard F-150, and are clamped with the extra power of twin-piston calipers. The 13.1-inch rear rotors have single-piston calipers. A four-wheel, three-sensor anti-lock system prevents control-abating wheel lockup under hard braking.

And where power and road meet, 295/45ZR-18 Goodyear® Eagle F1-GS™ unidirectional tires were specially developed for the SVT Lightning, using much of the same wet/dry high-performance technology introduced with the F1-GS tires on the 1998 SVT Contour. The latest generation F1-GS rubber compound improves both traction and wear characteristics, and the Lightning tires have added sidewall strength for towing.

FAST ON ITS FEET SMOOTH, PREDICTABLE MUSCULAR AGILITY THE ESSENCE OF CONTROL



DYNAMIC PRESENCE POSITIVE CONNECTION  **YOU SEE IT, YOU GET IT BIG-STICK POWER**

THERE'S NO MISTAKING AN SVT F-150 LIGHTNING on the road.

Several exterior design elements distinguish it from other F-150 models. For example, horizontal billet bars across the upper and lower front grilles visually strengthen the vehicle's low, wide stance.

The lights also set it apart. Headlights, taillights, side-marker lights, and the Lightning's signature round fog lights all have clear, crystalline lenses. Each lens surface is marked with thin horizontal lines, which accentuate the shape of the light's exterior surface.

The center high-mounted stop lamp on the back of the cab also is unique to Lightning. It consists of 10 light-emitting diodes, which are flanked by two clear-lens cargo lights.

The dual exhaust system's twin three-inch pipe tips are ceramic-coated, and tuck under a distinctive scallop in the rocker panel just ahead of the right-rear wheel.

The Lightning's 18 x 9.5-inch, five-spoke, cast-aluminum-alloy wheels have a bold new design that adds another distinguishing feature to the truck's assertive demeanor.

The F-150 standard cab and flareside bed was the obvious choice for the SVT Lightning in terms of sporty looks. But there is a practical reason for this configuration, too: Of all the F-Series chassis available to SVT, this one has the shortest wheelbase and lightest weight — the right combination for optimum handling and acceleration.

The SVT Lightning's interior is comfortable and purposeful, trimmed in a combination of Ebony textured leather and Medium Graphite cloth.

The 40/60 split bench seat features enhanced lateral bolstering on the cushions and backs of the two primary seats, and there is six-way power for the driver's seat. The center jump seat's back can be flipped down to create a center console with storage and two cupholders.

The SVT-signature white-faced gauges include a supercharger boost gauge. When the lights are switched on, these electroluminescent gauges change to a blue-green color with brilliant orange needles.





ENGINE	
Configuration	Longitudinally mounted, single overhead cam, 90-degree Triton™ V8, supercharged/intercooled, cast iron block, aluminum-alloy heads, forged steel crankshaft.
Bore x Stroke	90mm x 105.6mm
Displacement	5,410cc (330cid)
Compression ratio	8.4:1
Horsepower	380 hp @ 4,750 rpm
Torque	450 lb.-ft. @ 3,250 rpm
Specific output	70.2 horsepower per liter
Redline	5,250 rpm (fuel shut-off occurs at 5,400 rpm)
Valvetrain	Single overhead camshafts, chain drive, roller finger followers with hydraulic lash adjustment, beehive valve springs, two valves per cylinder



Intake valves	1 per cylinder, 44.5mm head diameter
Exhaust valves	1 per cylinder, 36mm head diameter
Fuel system	Sequential electronic fuel injection, Premium calibration
Induction system	Pressure-charged, Eaton™ Corporation Generation IV Roots-type supercharger, water-to-air inter-cooler in vee
Supercharger	8.0 psi pressure
Throttle body	Dual-bore 57mm
Mass-air sensor	90mm diameter
Exhaust manifolds	Cast-iron tuned header-style manifold
Exhaust system	Tuned dual exhaust, ceramic-coated dual exhaust tips

DRIVETRAIN		
Transmission	Four-speed automatic (4R100)	
Drive shaft	4.5-in. aluminum	
Final drive	3.73:1	
Rear axle	9.75-inch ring gear with limited-slip differential	
Gear	Ratio	Maximum Speed In Gear
1st	2.71	43 mph (68 km/h)
2nd	1.53	76 mph (123 km/h)
3rd	1.00	119 mph (191 km/h)
4th	0.71	142 mph (228 km/h)
Reverse	2.176	

SUSPENSION	
Front	Short and long-arm type, coil springs, tubular gas-charged Bilstein shock absorbers, 31mm solid stabilizer bar
Rear	Solid axle, staggered gas-charged Bilstein shock absorbers, five-leaf springs, 23mm solid stabilizer bar

STEERING	
Type	Recirculating ball, power assist
Gear ratio	14.0:1
Turns, lock to lock	3.3
Turning diameter	44.3 ft.

BRAKES	
Front	12.1-in. (308mm) vented disc, twin-piston caliper
Rear	13.1-in. (334mm) vented disc, single-piston caliper
ABS	Four-wheel, three-sensor system

WHEELS & TIRES	
Wheels	18 x 9.5-in., five-spoke cast aluminum-alloy, painted surface with locking lug nuts
Tires	Goodyear™ Eagle F1-GS™, 295/45ZR-18, unidirectional tread; 235/70R-16 spare tire

DIMENSIONS & CAPACITIES	
Wheelbase	119.8 in. (3,043mm)
Length	208 in. (5,283mm)
Height	70.9 in. (1,801mm)
Width	79.1 in. (2,009mm)
Track, f/r	65.3 in./65.3 in. (1,661mm/1,661mm)
Head room	40.6 in. (1,036mm)
Leg room	40.9 in. (1,039mm)
Shoulder room	63.8 in. (1,621mm)
Hip room	61.0 in. (1,549mm)
Curb weight	4,700 lb. (2,132kg)
Fuel capacity	25 gal. (94.62 liters)
Weight dist., f/r	57%/43%
Payload	1,350 lb. (612kg)
Towing capacity	5,000 lb. (2,270kg)
EPA Fuel economy (est.)	13 mpg city, 17 mpg highway

COLOR & TRIM	
Exterior	Bright Red Clearcoat, Black Clearcoat, Sonic Blue Clearcoat, Dark Shadow Grey Clearcoat, Oxford White Clearcoat
Interior	Medium Graphite cloth with textured leather Ebony accents, leather door trim

- F-150 LIGHTNING INCLUDES:**
- Driver and passenger airbags with passenger-side deactivation switch. Always wear your safety belt and deactivate passenger airbag when using a rear-facing child safety seat.
 - SecurILock™ passive anti-theft system
 - Anti-lock brake system (ABS)
 - SVT suspension tuning, with lowered ride height
 - 40/60 bench seating. Six-way power for driver's seat, with cloth/leather trim and specially designed lateral bolstering
 - Premium electronic AM/FM stereo cassette; in-dash 6-disc CD player
 - Power Equipment Group: Dual electric remote control mirrors, power side windows, power door locks



- Leather-wrapped four-spoke tilt steering wheel
 - Super Engine Cooling and Auxiliary Transmission Cooler packages
 - Engine oil cooler
 - Air conditioning (manual control)
 - Electroluminescent SVT white-faced gauge pack, including supercharger boost gauge
 - Dark tint sliding rear window
 - Speed control
 - Floor mats
 - SVT and Lightning badging
 - Remote keyless illuminated entry with touch key pad
 - Towing Group, Class III
 - SVT-unique headlight, taillight, side marker, and fog lights with clear, crystalline lenses
- Options**
- Tonneau cover (soft)
 - Ford bedliner

FORD SVT DESIGNS AND DEVELOPS PERFORMANCE VEHICLES THAT CAN DELIVER YEARS OF DRIVING PLEASURE AND VALUE FOR THE AUTOMOTIVE ENTHUSIAST.

Ownership Experience
 We've gone to great lengths to make the experience of driving a new SVT Lightning enjoyable. We've done the same for the ownership experience, too. We stand behind your car with our New Vehicle Limited Warranty, and we look after your security with our Roadside Assistance Program. SVT owners also receive Premium Service at their dealer, which includes a loaner vehicle and complimentary wash and vacuum. Expect nothing less from a "customer-driven" company.

Dealer-Installed Accessories
 The enjoyment of owning a new vehicle begins before you take delivery, when you're selecting colors and features.



Roadside Assistance Program
 Every new Ford includes the assurance of an emergency Roadside Assistance Program provided by Ford Auto Club, Inc., during the 3-year/36,000-mile limited warranty period.

Help is just a toll-free phone call away, 24 hours a day, anywhere in the 50 United States, should you need any towing assistance, fuel delivery, a tire change, a jump start, or even help when you're locked out of your vehicle. Ask your Ford Dealer for complete details on the Ford Roadside Assistance Program and also for a copy of the New Vehicle Limited Warranty.

Bumper-to-Bumper Warranty Coverage
 The 3-year/36,000-mile bumper-to-bumper coverage of the Ford New Vehicle Limited Warranty covers all vehicle parts including tires (except certain items as described in the Vehicle Warranty Guide) against defects in factory-supplied materials or workmanship. For complete information, see your dealer.

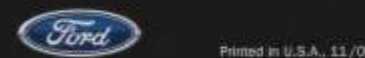


Ford Credit is a full-service company that makes a wide variety of financing and leasing programs available to qualified buyers through the Ford Dealer of your choice. Through Ford Credit's financing or Red Carpet leasing, arrangements suited to your special needs can be made quickly and conveniently right at the dealership.

Horsepower and torque numbers are the mean of test results generated according to Society of Automotive Engineers Standard J1349.

Performance data are generated under closed-course conditions on a test track according to procedure R-403. Observed data are corrected to standard ambient conditions. Vehicle weight is corrected to production curb weight plus 300 pounds.

Many factors may affect vehicle performance.



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THE SVT FAMILY HERITAGE



1993 SVT MUSTANG COBRA
 235 horsepower 5.0-liter ohv V8
 T5 five-speed manual transmission
 Four-wheel disc brakes
 Production: 4,993 units



1993 SVT MUSTANG COBRA R
 235 horsepower 5.0-liter ohv V8
 T5 five-speed manual transmission
 Lightweight street-legal racing model
 Production: 107 units



1993-1995 SVT F-150 LIGHTNING
 240 horsepower 5.8-liter ohv V8
 E40D four-speed automatic transmission
 Tow rating: 5,000 lbs.; payload: 745 lbs.
 Production: 11,563 units



1994-1995 SVT MUSTANG COBRA
 240 horsepower 5.0-liter ohv V8
 T5 five-speed manual transmission
 13-in. front discs, PBR calipers; 11.65-in. rears
 Production: 11,017 units



1995 SVT MUSTANG COBRA R
 300 horsepower 5.8-liter ohv V8
 Tremec five-speed manual transmission
 Lightweight street-legal racing model
 Production: 250 units



1996-1998 SVT MUSTANG COBRA
 305 horsepower 4.6-liter dohc V8
 T45 five-speed manual transmission
 13-in. front discs, PBR calipers; 11.65-in. rears
 Production: 28,709 units



1998-2000 SVT CONTOUR
 195 hp ('98), 200 hp ('99-'00) High Output 2.5L Duratec V6 MTX-75 five-speed manual transaxle
 Front-drive, five-passenger sports sedan
 Production: 11,445 units



1999/2001 SVT MUSTANG COBRA
 320 horsepower 4.6-liter dohc V8
 Independent rear suspension introduced
 Traction control introduced
 Production: 8,095 units



2000 SVT MUSTANG COBRA R
 385 horsepower 5.4-liter dohc V8
 Tremec six-speed manual transmission
 Lightweight street-legal racing model
 Production: 300 units



1999-2002 SVT F-150 LIGHTNING
 360 hp ('99-'00) 380 hp ('01-'02)
 Supercharged 5.4L Triton™ V8
 Four-wheel disc brakes introduced
 5,000-pound tow rating
 Production: 20,073 units



2002 SVT FOCUS
 170 horsepower dohc I-4 engine
 Dual-stage intake manifold
 Twin-layshaft 6-speed transaxle
 Production: 4,788 units



2003 SVT MUSTANG COBRA
 390 horsepower supercharged 4.6-liter dohc V8
 Traction control standard
 Production: 20,500 units (est.)



Chances are, if you currently own an SVT vehicle, you're already quite knowledgeable about automobiles. For you, driving is more than just getting from point A to B; it is something that provides great pleasure. Your vehicle is always clean and well maintained, because you take pride in how it looks and performs. At SVT, we know how you feel — that's why we formed the Special Vehicle Team Owners' Association (SVTOA), a club designed specifically for SVT owners.

"Drive Safe and Have Fun" is the mission statement of SVTOA, and the association focuses primarily on three things:

- Providing fun opportunities to get out and drive (road trips, cruise nights, track days, etc.) with other SVT owners
- Promoting learning and education about automobiles and good driving
- Making new friends and sharing common experiences with other like-minded people

If you currently own an SVT vehicle then you're already a member of an exclusive club — you are an enthusiast who wants a vehicle with performance, substance, exclusivity and value. And, for exactly those reasons, we've developed the SVTOA — to share our common obsession with SVT vehicles and maximize the fun we can have with them.

SVTOA exclusive member benefits include:

- SVTOA member-only web site
- Member subscription to the SVT Enthusiast magazine (6 issues per year)
- Invitations to SVTOA regional and national events
- SVTOA membership directory
- Assistance in planning local chapter-organized events
- Vehicle registry
- Discounts from SVTOA partner companies
- Team Ford Racing discount
- Access to local SVTOA chapters

Every new SVT vehicle buyer or lessee automatically receives a complimentary one-year subscription to SVTOA. For more info, contact SVTOA National HQ at (866) 377-8862 or visit their website at www.svtoa.com.

1-800-FORD-SVT

Hearing Impaired (TDD): 1-800-438-4007

<http://www.svt.ford.com>

French Customer Service: 1-800-563-3673



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