



# SW-T400



Large, lockable glove box and deep front 'pocket' keep smaller essentials to hand.

Elegantly shaped windscreen integrates seamlessly with the front bodywork to offer excellent wind protection.

Spacious underseat area comfortably holds two helmets, or a laptop and briefcase and features an automatic trunk light.

Low, comfortable seat with solid back support contributes to a comfortable, natural sitting position.

Attractive and practical 5-dial instrument panel features a new fuel consumption gauge, a HISS indicator and a V-belt indicator.

Rear suspension adjuster adds to smooth and stable ride feel.

New and unique tapered rear light array, with dual combination light and clear-lens indicators.

Newly designed independent right and left headlights and large, multi-reflector indicators are both stylish and practical.

Rigid steel tube frame combines with relatively long wheelbase and low, centralised weight for a stable ride feel and excellent balance.

Long, sleek, contemporary front profile is designed for minimal wind resistance.

Exhaust system's built-in catalyser and HECS3 oxygen-sensing low-emissions system keep gas emissions well below EURO-3 levels.

Rigid yet smoothly compliant 41mm trailing-axle telescopic front fork.

V-Matic belt transmission facilitates smooth, responsive power delivery.

Strong, reliable 399cc liquid-cooled parallel-twin motor delivers highly enjoyable torque plus best-in-class top speed and acceleration.

Large, 16-litre fuel tank and low fuel consumption combine for convenient and economical commuting.

New, large front brake disc and easy-operation Combined Brake System deliver even, reassuring and strong stopping power. Combined ABS version also available.

# SW-T400

**2009** Press Information



## Introduction

A hi-tech, luxurious machine that crams the performance of a larger displacement scooter into a beautifully compact form, the SW-T400 raises the standards of mid-displacement scooters yet again. With fuel prices rising and the roads of most European cities crammed with cars, thousands of urban (and suburban) travellers are seriously considering the advantages of two-wheel transport as a way of injecting new freedom and enjoyment into the daily business of getting around. The ability to nip past traffic queues and through narrower streets is an definite asset, as is the freedom to park without spending precious minutes driving round in circles. However, the market for this kind of transport is an incredibly (and increasingly) discerning one. A worthy alternative to a car must offer the same advantages of comfort and convenience. The rider should be able to arrive looking smart and ready for action. It should be possible to comfortably take a passenger along and carry a fair amount of luggage. Weather protection, reliability, safety and the thrill of powerful and smooth performance are all necessities. Riders also expect the prestige that goes with owning a truly desirable vehicle - one that complements their image as well as their lifestyle. In other words, the choice of an alternative should in no way be a compromise.

Improving on the quality of every aspect of the Silver Wing 400, from style to performance and comfort, the magnificent new SW-T400 supersedes its predecessor and takes up a new place, second in line to Honda's Silver Wing 600. The SW-T400 comes with an instinctive understanding of the needs of the sophisticated urban traveller. With a powerful parallel-twin engine (the only one in its class), the most advanced comfort and performance innovations and a highly developed overall package of elegance and convenience, this is now the most competitive mid-displacement alternative to taking the car. Explore the SW-T400 and treat yourself to new freedom, new inspiration and a new way of life.

## Styling

The SW-T400 is aimed at those who dress to impress, and there isn't a single detail on this carefully thought-out vehicle that will detract from an impeccable image. The overall look is light and compact, as befits its serious talent for cutting through the breeze with minimal fuss. The front profile is a stunning synthesis of elegant contemporary design and hi-tech practicality. The lines are long, sleek and sweeping. The beautifully defined nose integrates new-design independent right and left headlights and large, clear-lens multi-reflector indicators in a unique configuration that's styled for enhanced visibility as well as beauty. The outline of the headlights draws the eye upwards to an elegantly shaped windscreen. This leans back to follow the overall lines and integrates seamlessly with the front bodywork, both combining to offer the best wind protection in its class.

The compelling unity of the front design extends to the rear of the scooter as well. Long, low, curvaceous lines extend back into a luxurious rear area that ends in a distinctive tail topped with a uniquely styled 'spoiler'. The styling of the tapered rear light array, with its dual combination light and clear-lens indicators, reflects the design of the front lights, lending an overall unity of conception that's usually reserved for the luxury end of the car market.

The instrument panel also takes inspiration from four-wheels. It takes the form of a large, clearly visible, 5-dial cluster. Besides conventional readouts and a fuel level gauge, the LCD display features a brand new and highly practical fuel consumption gauge, a HISS (Honda Ignition Security System) indicator and a V-belt indicator. The main sections and the complete cluster are surrounded with silver rings. The whole 'dashboard' is attractive and useful and lends a premium feel of total control and exclusive luxury.



## Colouring Concept

The seat is another area where luxury and style have been carefully considered. A new, softer material combines with low seat height and solid back support for a natural sitting position and sumptuous comfort even on longer trips. The passenger seat is broad and comfortable with retractable footsteps for extra comfort, extending the SW-T400's possibilities to a bit of two-up weekend touring. The seat clicks open to allow access to a spacious trunk area that comfortably holds two helmets, or a laptop and briefcase. This space features a useful trunk light that switches on automatically when you open the seat. (Incidentally, this light can be manually switched off to save the battery if you're leaving the seat open for a long time). Storage space in general is generous and well placed with a lockable glove box and deep, front 'pocket' in the cockpit area to keep smaller essentials to hand.

The overall finish is exquisite – boldly contemporary and yet with a classic sophistication that shines out on any occasion. The paintwork is flawless and special premium-quality paintwork makes a luxury feature of the 'interior' finishing (surrounding the frontal and lower seating area) and front console area. A long, distinctively shaped exhaust enhances the sweeping flourish of the bodywork. A superior riding position and stable, confident handling add to the cool design, and premium 4-wheel feel, making this a truly desirable, high-class vehicle that's as soothingly pleasurable to look at as it is to ride.

The SW-T400 will be launched in four stunning colours that reaffirm the quality of the overall finish. The main colour, Sword Silver Metallic has a simple elegance that shows off the scooter's aerodynamic curves and complements its smooth image. The look of dynamic performance is emphasised in a fashionable, sporty black metallic variation. The red has a vibrancy that complements the sculpted profile and shows off the scooter's strong character. The white is classically cool with a pristine finish that complements the neat, slim silhouette.

### Colours

- Sword Silver Metallic
- Pearl Cosmic Black Metallic
- Candy Graceful Red\*
- Pearl Sunbeam White

\* Red is only available in the standard version.

## Engine

### Twin power

As has already been mentioned, the SW-T400 boasts the only parallel-twin engine in its category. This means that its performance is similar to that of a higher capacity engine. It gives highly enjoyable torque and the ability to power away from traffic lights and congestion-bound cars, as well as easily holding its own on motorways. Top speed and acceleration are the best in its class, again making it a viable and often enviable alternative to the car. The engine's high quality and superior technology, plus a strong, high-performing battery, mean that reliability is also top-class. However, its advantages don't end there. Everything possible has been done to create the smoothest and most comfortable ride possible, and this includes particular attention to those who ride every day.

### Best in class

The SW-T400's engine is a 399cc variation of the same liquid-cooled parallel-twin motor that powers the Silver Wing 600, hailed as the luxury sedan of the scooter world. The V-Matic belt transmission means that power delivery is smooth and responsive, giving the thrust of acceleration you would expect of a larger-displacement machine, but also the smoothest and highest top cruising speed in its class. The engine is compact and its mass situated low down for reassuring stability and quick, easy handling.

### Fuel economy

As fuel prices continue to escalate, the prospect of consuming less is a very attractive one, and the pleasure of considerable fuel savings is to be added to the other pleasures the SW-T400 offers. Exhaust emissions are also as low and as clean as possible. The large exhaust features a built-in catalyser which, combined with the fuel injection system and HECS3 oxygen-sensing low-emissions system, keeps harmful gas emissions well below the levels stipulated by EURO-3 regulations.

## Chassis

### Balance and poise

Although it is basically the same as that used in the current Silver Wing 400, the sturdy centre backbone steel tube frame has undergone some revision to maximise the premium feel. The relatively long wheelbase of 1600mm and the frame's high rigidity give a stable ride feel with excellent balance at all speeds, while still retaining compact enough dimensions for easy and unruffled manoeuvrability in town. In comparison with the current Silver Wing, the front cowl stay and handlebar rigidity have increased, giving superior, and again best-in-class, low-speed stability. Thanks to a new front fender bracket and new, harder rubber muffler mount, high speed stability and manoeuvrability have also improved.

Considerable measures have also been taken to lessen vibration, meaning that the ride is incomparably smooth and in keeping with the sophisticated and unruffled overall ride feel. A two-shaft balancer reduces primary vibration. The rider backrest is now fixed, reducing second-order vibration. Even mirror vibration is minimised, due to the rigid handlebars. The aim is to increase the overall high-quality feel and eliminate any of the stresses and fatigue often associated with traditional scooters.

### New front brake disc

To achieve this, a safe, secure ride feel is paramount and this is achieved not only through smooth power delivery, superior stability and reduced vibration, but also through premium brake performance. The front wheel receives a large front brake disc that gives secure, planted braking. The easy-operation Combined Brake System's distribution of stopping power is even-handed and reassuring as well as powerful. In the Combined ABS version, supreme braking performance is delivered by a newly designed Antilock Braking System that tailors Honda's expertise in this field to this scooter application in particular.



## Standard convenience features

The geometry has been tailored in other ways for the greatest stability. The powerful engine performance means that the overall weight can be heavier while still retaining best-in-class acceleration. The weight is placed low and centralised. The seating position is neutral and natural with a low wide seat and easy reach to the ground. A greater lean angle and secure, planted handling create an overall feeling of safety, total control and easy manoeuvrability.

The motorcycle-based suspension system includes the same rigid yet smoothly compliant 41mm trailing-axle telescopic front fork featured on the original Silver Wing for light, responsive handling in all riding conditions. A rear suspension adjuster improves the smooth and stable ride feel.

Overall, the SW-T400 represents a huge leap forward into the realms of car-like luxury, safety and user-friendly sophistication. A practical and economical option for commuting, it integrates a peerless style and luxurious ride feel which are real incentives for city travellers to leave the car at home and experience a whole new level of enjoyment.

- The rider seat opens to reveal a capacious, backward-extending carrying space. This storage space is supported by a lockable glove box and deep storage 'pockets' in front.
- The Honda Ignition Security System wards off potential thieves and by preventing the engine from being started by any other than its two original keys, eliminating the possibility of ride-away theft.
- The modern and attractive 5-dial 'dashboard' includes a practical fuel consumption indicator.

## Optional Equipment

The SW-T400 will be supplied with a wide range of optional equipment specially produced for it by Honda Access Europe. It includes:

- A compact and easily installed AVERTO alarm kit that deters potential thieves with a powerful siren. The kit features 8 sensitivity settings and a 'sleep mode' that prevents the battery from draining when not in use.
- A compact and user-friendly navigation kit, including earphone, attachment and car kit.
- Heated hand grips with adjustable heat control and Honda-engineered battery-protection circuitry to help prevent excessive battery power drainage.
- An insulated, water-repellent scooter blanket to protect you from the elements and keep the scooter seat dry when parked.
- A lockable 40L top box that holds two full-face helmets with room to spare and features a quick-detach mounting system. Top box lid produced in matching colour.
- A top box inner bag with adjustable shoulder strap, carrying handle and expandable front pocket.
- A barrel key U-lock designed to fit into the space under the seat.
- An outdoor cycle cover in water-resistant, breathable fabric that prevents UV damage to the paintwork and allows the scooter to dry while covered. Two holes in the front facilitate use of the Honda Genuine U-lock.



# Specifications

General	
Model	SW-T400
Mold Type	ED-type
Engine	
Type	Liquid-cooled 4-stroke 8-valve DOHC parallel twin
Displacement	399cm <sup>3</sup>
Bore x Stroke	64 x 62mm
Compression Ratio	10.8 : 1
Max. Power Output	28.7kW / 8,000min <sup>-1</sup> (95/1/EC)
Max. Torque	37.8Nm / 6,500min <sup>-1</sup> (95/1/EC)
Idling Speed	1,300min <sup>-1</sup>
Oil Capacity	2.6 litres
Fuel System	
Carburation	PGM-FI electronic fuel injection
Throttle Bore	30mm
Aircleaner	Dry; cartridge-type paper filter
Fuel Tank Capacity	16 litres (including 3.5-litre reserve)
Electrical System	
Ignition System	Computer-controlled digital transistorised with electronic advance
Ignition Timing	12° BTDC (idle) ~ 40° BTDC (9,000min <sup>-1</sup> )
Sparkplug Type	CR8EH-9 (NGK); U24FER9 (DENSO)
Starter	Electric
Battery Capacity	12V / 10AH
ACG Output	360W
Headlights	12V, 55W x 1 (low) / 55W x 1 (high)
Drivetrain	
Clutch	Automatic; centrifugal
Transmission	V-Matic
Final Reduction	6.394
Final Drive	V-belt
Belt Converter Ratios	2.450 ~ 0.900
Frame	
Type	Centre backbone; steel tube

Chassis		
Dimensions	(LxWxH)	2,285 x 770 x 1,430mm
Wheelbase		1,600mm
Caster Angle		28° 30'
Trail		105mm
Turning Radius		2.8m
Seat Height		740mm
Ground Clearance		135mm
Kerb Weight		247kg (F: 95kg; R: 152kg), *250kg (F: 98kg; R: 152kg)
Max. Carrying Capacity		169kg
Loaded Weight		416kg (F: 136kg; R: 280kg), *419kg (F: 139kg; R: 280kg)
Suspension		
Type	Front	41mm telescopic fork, 120mm axle travel
	Rear	Dual conventional dampers with 5-step spring preload adjustment, 115mm axle travel
Wheels		
Type	Front	U-section triple-spoke cast aluminium
	Rear	U-section triple-spoke cast aluminium
Rim Size	Front	14M/C x MT2.75
	Rear	13M/C x MT4.50
Tyre Size	Front	120/80 14M/C (58S)
	Rear	150/70 13M/C (64S)
Tyre Pressure	Front	200kPa
	Rear	225kPa (with passenger: 250kPa)
Brakes		
Type	Front	276 x 6mm single disc with Combined 3-piston calliper (*C-ABS) and sintered metal pads
	Rear	240 x 6.5mm hydraulic disc with dual-piston calliper (*C-ABS) and sintered metal pads

\* C-ABS version