

# 2006 TRX350TM / TRX350TE PRESS INFORMATION

The stylish Rancher is one of the best-selling ATVs in the world, and offers buyers a choice between manual shifting or push-button electric shifting with Honda's Electric Shift Program (ESP).

## Colours

- Patriot Red

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# Features and Benefits

## Unique Features

- The TRX350TE features ESP (Electric Shift Program) for push-button upshifting and downshifting. Gearshifts are simple and precise with the press of the upshift or downshift button mounted on the left handlebar. An onboard Electronic Control Module (ECM) monitors information from four sensors—engine rpm, countershaft speed, gear position and shift spindle angle—to control the speed of the electric shift motor's gear and clutch engagement. Gear engagement speed varies according to rider style: The transmission shifts more quickly when riding style turns sporty. A neutral lockout at speeds greater than 3.2km/h ensures available engine braking when descending hills. To ensure smooth shifting, the transmission cannot be shifted from neutral to first gear or reverse gear at engine speeds above  $3,000\text{min}^{-1}$ . ESP is not battery dependent, operating whenever the engine is running. Should the rider ever need to shift manually, the TRX350TE is also equipped with an auxiliary shift lever in the tool kit.
- Powerful, rugged longitudinally mounted  $329\text{cm}^3$  air-cooled OHV engine allows direct driveshaft alignment to both front and rear wheels for improved drivetrain efficiency.
- Unique dry-sump oiling system places the oil tank inside the engine cases, lowering engine height and allowing optimum engine placement for excellent ground clearance and superb handling.
- ES model features standard oil cooler with cooling fan assures optimal engine lubrication under difficult operating conditions.
- Closed crankcase vent system safeguards against engine oil contamination.

## Engine/Drivetrain

- Overhead-valve (OHV) design provides compact engine dimensions for improved ground clearance while maintaining a broad, easy-to-use power band.
- Integral electric carburettor heater system improves driveability and ensures smooth operation in cold conditions.

- Rubber-cushion engine mounting and gear-driven counter-balancer reduce vibration.
- Super-heavy-duty automatic clutch with a low engagement point for excellent driveability and towing capability.
- Five-speed transmission with reverse includes an ultra-low first gear.
- Convenient electric starter, with auxiliary recoil starter and an automatic internal decompression system.
- Stainless steel exhaust header and silencer for superior corrosion resistance.
- Capacitor Discharge ignition (CDI) with electronic advance for excellent performance and reliability.
- Powerful, 245-watt AC generator.
- Reusable foam air filter.

### **Chassis/Suspension**

- Rugged frame and suspension provide an exceptional 186mm of ground clearance.
- Steering mechanism design features light effort and a tight turning radius of 2.6m.
- Independent double-wishbone front suspension uses premium dampers to provide 150mm of suspension travel for a plush, comfortable ride.
- Steel swingarm and single rear damper provide 150mm of suspension travel for superb comfort and compliance.
- Tough, large-diameter, 24 x 8-12 front and 25 x 11-10 rear tyres provide excellent ground clearance while maintaining precise handling.
- Triple-sealed front hydraulic drum brakes and sealed mechanical rear drum.

### **Additional Features**

- Engine design produces low emissions to meet stringent off-road emissions standards.
- TRX350TE features multi-function LCD digital instrumentation that is compact, tough and waterproof, featuring large readouts for gear position, speedometer, odometer, resettable tripmeter and hourmeter/clock.

- LED lights for reverse, neutral, and oil temperature warning indicators.
- Integrated storage compartment on left side of tank cover.
- Unique Honda-designed floorboards on all TRX's allow the rider's feet to grip the footrests while keeping mud and debris away.
- Combination brake/taillight.
- Waterproof accessory socket provides 10 amperes of 12-volt power with a built-in temperature-type fuse.
- Large cargo racks front and rear carry payloads of 30kg and 60kg respectively.
- Heavy-duty trailer hitch with towing capacity of 385kg.
- Large, lightweight plastic fuel tank with 12.9-litre capacity.
- Fuel gauge is standard equipment.
- Snorkel-type air intake system is specially designed for water crossings.
- Unique rear-opening storage compartment allows access when rack is loaded.
- Thickly padded seat provides all-day comfort.
- Standard over-fenders give excellent mud protection.
- Twin-headlight system with 30-watt bulbs features multi-reflector lenses for optimal light distribution.
- Spark arrester-equipped exhaust silencer.
- Tough 12 amp-hour maintenance-free battery.
- Durable, comfortable and easy-to-use controls.
- Keyed ignition switch for added security.
- Triple skidplates.
- Easy-to-use parking brake.
- Top-mounted choke lever for simple operation.
- Handlebar switches, controls and warning labels use internationally approved ISO graphic symbols.

- Standard tool kit includes a tyre pressure gauge.

#### **Available Accessories**

- Flag kit.

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## Specifications

**TRX350TM / \*TRX350TE (ED-type)**

### Engine

Type	Longitudinally mounted air-cooled dry-sump 4-stroke OHV single-cylinder
Displacement	329cm <sup>3</sup>
Bore x Stroke	78.5 x 68mm
Compression Ratio	8.8 : 1
Max. Power Output	14.3kW/6,500min <sup>-1</sup>
Max. Torque	23Nm/5,000min <sup>-1</sup>

### Fuel System

Carburation	32mm CV-type carburettor
Fuel Tank Capacity	13.9 litres (including 3.1-litre reserve)

### Electrical System

Ignition System	Capacitor Discharge (CDI) with electronic advance
Starter	Electric with auxiliary recoil

### Drivetrain

Transmission	5-speed with reverse / *ESP 5-speed with reverse
Final Drive	Direct rear driveshaft

### Chassis

Dimensions	(LxWxH) 2,031 x 1,114 x 1,129mm
Wheelbase	1,253mm
Seat Height	812mm
Ground Clearance	186mm
Turning Radius	2.6m
Dry Weight	227kg / *232kg

### Suspension

Type	Front Independent double-wishbone; 150mm travel
	Rear Single-shock swingarm; 150mm travel

### Wheels

Type	Front Pressed steel
	Rear Pressed steel
Rim Size	Front 12 x 6.0AT
	Rear 10 x 8.5AT
Tyres	Front AT24 x 8-12
	Rear AT25 x 11-10

