



opcon

## 3DMC-GPS System

The Topcon 3DMC-GPS grade control system is the state-of-the-art in automated grade control. The system uses satellites to compute positions in real time which are then converted into machine position relative to the project and design surface. This precise positioning of machine relative to design allows for automatic control of blade movement and for graphical representation of the machine and design surface on the in-cab display.

This manual outlines the initial and daily procedures that a machine supervisor and operator should follow to ensure consistent quality from this automatic grade control system.

# Rover System Components

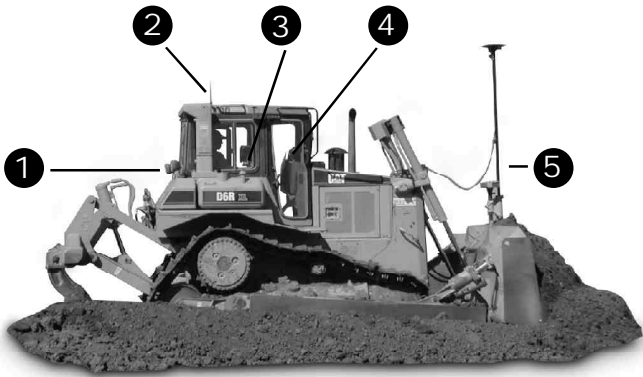
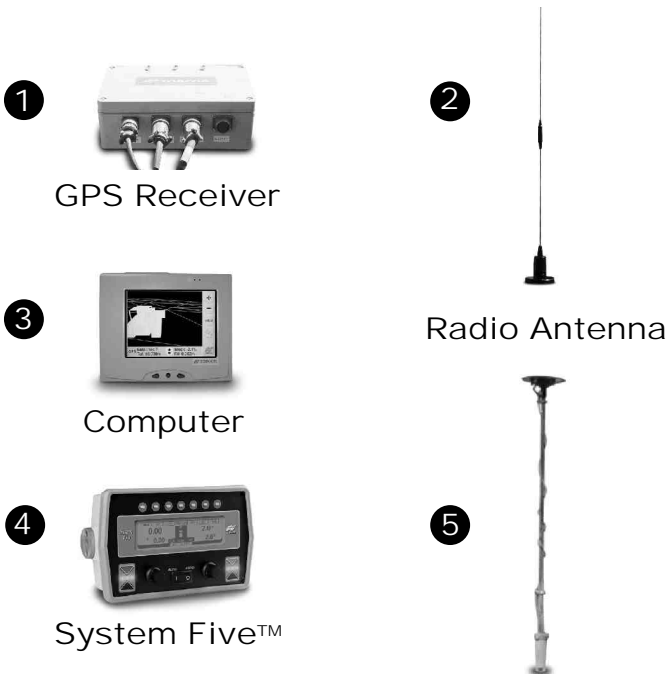


Fig 1.00



GPS Receiver

Radio Antenna

Computer

System Five™

GPS Antenna

Fig 1.01

# Base Station Components

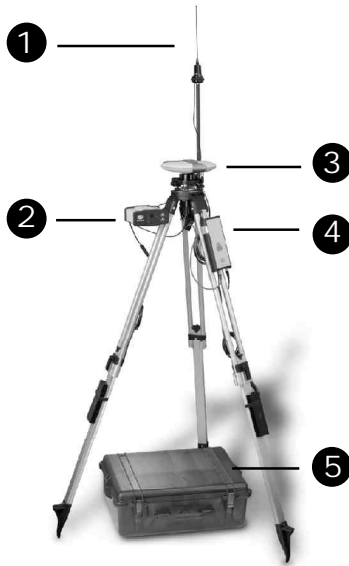


Fig 1.02



Fig 1.03

