

## Application of Rotary sensor in Mower

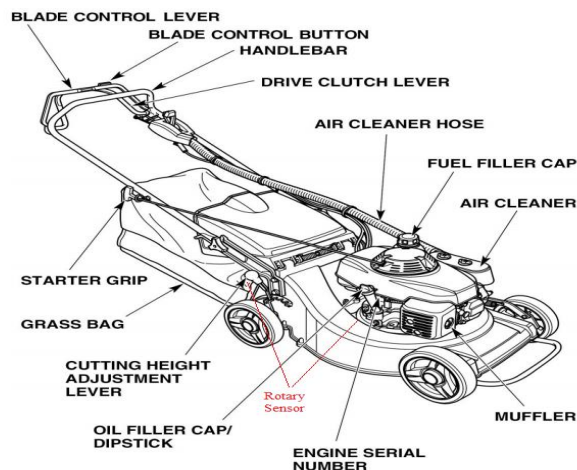


### Introduction

A mower is a machine that cuts (mows) grass or other plants that grow on the ground. Usually mowing is distinguished from reaping, which uses similar implements, but is the traditional term for harvesting grain crops, e.g. with reapers and combines.

### Working Principle

Rotary mower - Rotary cutters mounted on a swather Rotary mowers, also called drum mowers, have a rapidly rotating bar, or disks mounted on a bar, with sharpened edges that cut the crop. When these mowers are tractor-mounted they are easily capable of mowing grass at up to 10 miles per hour (16 km/h) in optimal conditions. Some models are designed to be mounted in double and triple sets on a tractor, one in the front and one at each side, thus able to cut up to 20 foot (6 metre) swaths.



Continued on Page 2

## **Application**

A smaller mower used for lawns and sports grounds (playing fields) is called a lawn mower or grounds mower, which is often self-powered, or may also be small enough to be pushed by the operator. Grounds mowers have reel or rotary cutters. Larger mowers or mower-conditioners are mainly used to cut grass (or other crops) for hay or silage and often place the cut material into rows, which are referred to as windrows. Swathers (or windrowers) are also used to cut grass (and grain crops). Mower types- Sickle mower, Rotary mower, Reel mower, Flail mower, Drum mower, Electric mower

**In Mower machine, Rotary sensor are used for controlling disks mounted on a bar while performing Cutting operation.**