1. Plate 6x12
2. Heavy duty reed switch (rated 1A @ 110V DC)
3. Battery holder for 1 AA battery
4. 3 cable ties
5. Electromagnet core
6. Spool of magnet wire (50 ft or more of 27 gauge insulated copper wire)
7. Piece of sandpaper
8. Glossy magnet labels
9. Super glue
10. 4 magnets with either South (letter "S") or North (dimple) pole marked
11. 2 plastic sleeves (washers)
12. Short axle (30 mm)
13. 2 bricks 2x2 with center hole
14. 2 bricks 1x2 with small side hole
15. 4 bricks 1x2
16. 3 bricks 1x2 with 2 side holes
17. Brick 1x1