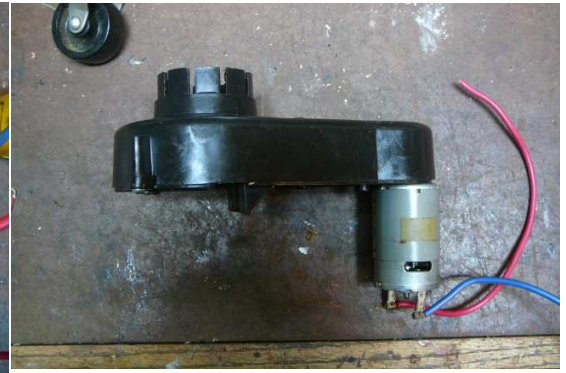


ORU12 MECHANICS

Drive motors  
(From "Barbie" ride-on car)



L. Drive Wheel  
R. Caster



L. Drive assembly  
R. Fitted in base




L. Wheel encoder  
(one of two)

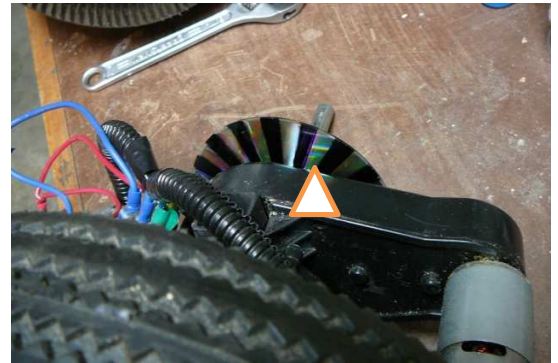
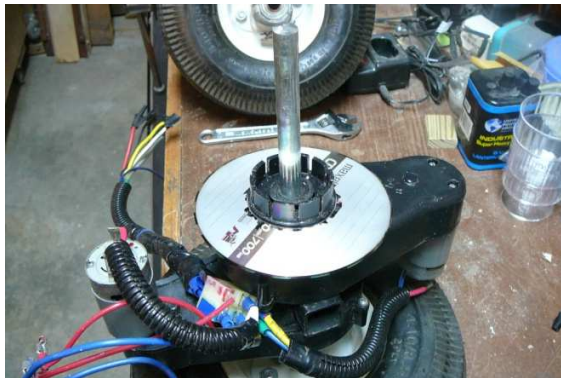
R. Modifying a CD to  
Make encoder disc



ORU12 MECHANICS (Cont'd)

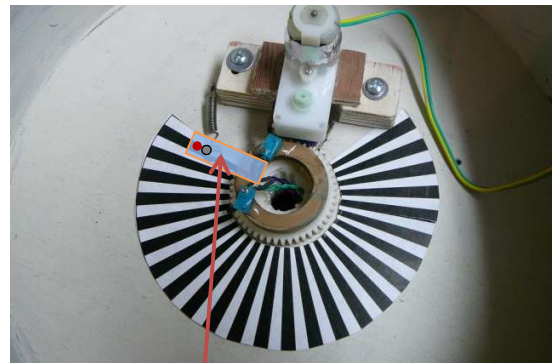
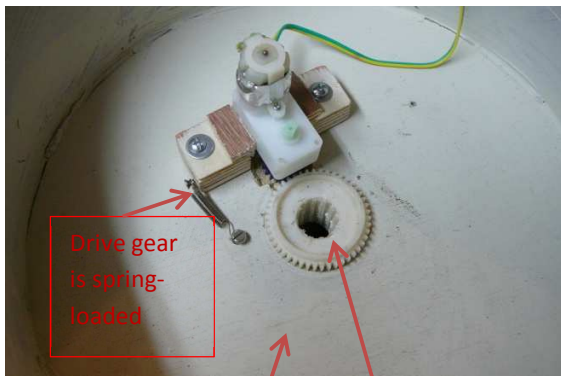
L. Encoder disc in place

R. Optical reader will be epoxied to gear case 



L. Body rotation motor and gear assembly (viewed from bottom).

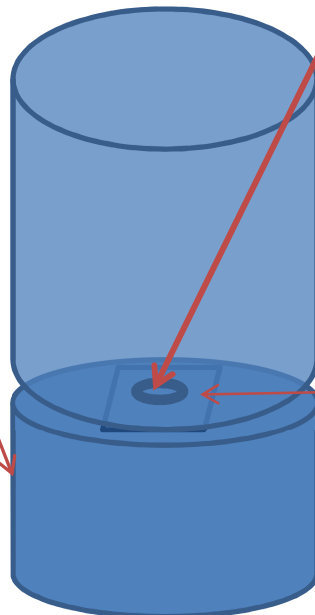
R. Encoder disc and limit switches in place. Optical reader is illustrated.



Motor and enclosure housing remain stationary

This gear rotates the body

Optical reader will be epoxied to gear



Body rests on lazy-susan assembly

