

STEERING MECHANISM PARTS LIST

Amt	Part Description	Amou Fant
	AC/DC Converter 5 Vdc 1200 mA	\$18-1001
	Spinalter	024-2140
	LCD screen (16×2)	769-2019
	Toggle switch	948-0049
	Stepper motor invet com	568-9170
	20kfl Potentiometer (LCD contrast)	754-0154
	Keypad	948-0010
	53 Regulator NTR-960	935-3020
	oungle ".EX"	671 1196

Additional parts required: PIC 16F84A microcontroller, stepper motor, keypad encoder, any

o he always stays on course, Jared designed a mechatronic device that simulates perfect steering in an automobile. The small-scale, single-wheel model determines the speed of wheel rotation from the magnitude of the curve it's traveling. It works by setting the initial speed of a PIC-controlled dc motor, then uses a manual-input turn radius to vary the speed of the motor and advance a PIC-controlled stepper motor one visible step (7.5 deg) in the specified direction.

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