



[Table Of Contents](#)

Preface

Acknowledgments

Introduction

Chapter 1: History

Chapter 2: Getting Started

Safety Equipment

A Place to Work

Air Tools

Hand Tools

Special Tools

Chapter 3: Rebuilding

Transmission Disassembly

Assembling the Transmission

Input Drum Rebuilding

Reverse Drum Rebuilding

Oil Pump Rebuilding

Valve Body and Related Parts

Chapter 4: Shift Kits

Accumulators

Corvette Servo

Boost Vaves

Seperator Plates

Torque Converter Clutch

Chapter 5: Torque Converters

History of Torque Converters

Fluid Couplings

How It Works

Torque Converter Operation

Front Drive Cover

Carbon Phenolic Spacer

Torque Converter Pump

Turbine

Stator

Piston Dampener Assembly

Slippage vs. Torque vs. Vehicle Weight

Torque Converter Characteristics

Selecting a Converter

Effects of Tight/Loose Converters

Aftermarket Converters

What Should You Do For a Converter?

Quarter-Mile Driving Techniques

Tips for Selecting a Converter

Chapter 6: Transmission Removal and Installation

Tips for Removing Transmissions

Tips for Installing Transmissions

Chapter 7: Swapper's Guide

Step-by-Step Swap: TH350 to TH700-R4

Swap Parts Guide

Cruise RPM Charts

Electronic Transmission Controllers

Transmission Swap Charts

Swapper's Source Guide