

# INSTRUCTIONS

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## 916-28912 - Speedway GM Manual Transmission to Flathead V8 Adapter (Ford Clutch) 560-5272 - Offenhauser 5272 GM Manual Transmission to Flathead V8 Adapter (Ford Clutch)

### Read Complete Instructions Before Starting Assembly.

This adapter allows installation of 1955-and-later GM 3, 4, or 5-speed manual transmissions, including early GM T-5 units, onto 1932-48 Ford and 1939-50 Mercury Flathead engines, but it is not compatible with 1993 and newer S10/NV1500 transmissions. For 1948 trucks and 1949-53 Ford or Mercury 8BA engines, a 3-inch adapter bellhousing is required, either a cast-iron 1948-52 Ford pickup bellhousing (3¼ inches tall) or a stamped-steel 1949-50 Mercury V8 bellhousing. Ford 6-cylinder bellhousings will not work, and if using the 1948-52 pickup bellhousing, the starter mount plate must match the bellhousing. The adapter is designed for Long-style pressure plates and mechanical or manual clutch setups only, and a pilot bushing adapter is included. It does not fit Canadian Mercury "French block" engines.

<b>ADDITIONAL ITEMS THAT MAY BE REQUIRED</b>		
<b>Pilot Bearing</b>		
Qty	Part #	Description
1	910-29520	Pilot Bearing, GM Transmission to Flathead
<b>Release Bearing Components</b>		
<b>Mechanical/Manual Clutch Set-Up</b>		
Qty	Part #	Description
1	910-25620	Flathead Clutch Release Bearing (Long Style Pressure Plates)
1	916-75150	1932-48 Ford Flathead Clutch Release Fork
1	916-75151	1928-48 Ford Flathead Clutch Shaft Release Pin
1	916-75152	1935-52 Ford Internal Clutch Release Spring, Bearing Hub
<b>Release Bearing Adapter (Select Only One to Match Application)</b>		
Qty	Part #	Description
1	916-29505	Release Bearing Adapter, Flathead to GM Manual Transmission
1	916-29517	Release Bearing Adapter, Flathead to GM T-5 Transmission
<b>Clutch Release Shaft (Select Only One to Match Application)</b>		
Qty	Part #	Description
1	916-75100	1932-39 Ford Flathead Clutch Release Shaft
1	916-75101	1940-48 Ford Flathead Clutch Release Shaft
<b>Clutch Components</b>		
<b>Engine Flywheel (Select Only One To Match Application)</b>		
Qty	Part #	Description
1	910-15627	1932-48 Flathead Steel Flywheel
1	910-15629	1949-53 Flathead Steel Flywheel

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## 3-Finger Long-Style - Clutch Pressure Plate (Select Only One to Match Application)

1	910-15651	Flathead 9 Inch Long-Style Clutch Pressure Plate
1	910-15657	Flathead 10 Inch Long-Style Clutch Pressure Plate
1	910-260344	Flathead 10.5 Inch Long-Style Clutch Pressure Plate

## Engine Flywheel/Clutch Pressure Plate Hardware

1	101-2002802	ARP 200-2802 Flywheel Bolts
1	550-911	Ford Grade 8 Pressure Plate Bolts

**Note: Clutch Disc Selection** - Must match the diameter of pressure plate, spline count, and input shaft diameter of the transmission being used.

### Installation Procedures:

#### 1. Flywheel Install/Prep

- Install or inspect the existing flywheel and ensure it's ready for the clutch assembly.

#### 2. Pilot Bearing Adapter and Bearing

- Lightly tap the pilot bearing adapter and bearing into place using a soft mallet.

#### 3. Clutch Disc and Pressure Plate

- Center the clutch disc on the flywheel using the appropriate clutch alignment tool, then bolt the pressure plate in place using the specified hardware.

#### 4. Throwout (Release) Bearing/Clutch Fork assembly and appropriate adapter

- Install throwout spacer onto transmission input shaft with chamfer toward transmission.

**NOTE:** The clutch fork fitment on clutch shaft #91675101 is very tight. We recommend using sandpaper or an emery cloth to remove any paint or debris from the inside of the fork. Additional light sanding may be needed to achieve a proper fit between the clutch shaft and the fork.

#### 5. Transmission Adapter and Transmission

- Bolt the adapter to the engine block.
- Install throwout (release) bearing onto the transmission shaft. Bolt up transmission.
- Mount the transmission to the adapter.

#### 6. Throwout (Release) Bearing/Pedal Adjustment:

- Adjust clutch pedal linkage to achieve 1/2 inch to 1 inch of free play at the pedal.

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## **Additional Installation Note:**

If you're using the stock rear axle, an open-drive conversion is required before installation. Speedway Motors offers several kits for this, including options for 6-spline (Part #919-1105) and 10-spline (Part #919-1106) 1935-48 Ford V8 banjo rear ends, as well as a kit for 1928-31 Model A axles (Part #919-1111). After completing the conversion, a custom driveshaft must be installed. Speedway Motors provides a Universal Steel Custom Length Driveshaft Kit (Part #910-383, 3-inch OD) along with other size and material options for various applications.

## **Need Help with This Product?**

Talk to one of our Tech Support Agents:

Mon-Fri, 8am - 5pm (CST)

**U.S.:** 800.979.0122

**Canada:** 855.313.9180

**International:** 1.402.323.3200