

# Part 573 Safety Recall Report

## 17E-030

**Manufacturer Name :** Wilwood Engineering

**Submission Date :** JUN 21, 2017

**NHTSA Recall No. :** 17E-030

**Manufacturer Recall No. :** R17-01MC



### Manufacturer Information :

**Manufacturer Name :** Wilwood Engineering

**Address :** 4700 Calle Bolero  
Camarillo CA 93012

**Company phone :** 8053881188

### Population :

**Number of potentially involved :** 15,000

**Estimated percentage with defect :** 20 %

### Equipment Information :

**Brand / Trade 1 :** Wilwood

**Model :** 7/8" Tandem Master Cylinder

**Part No. :** 260-9439 & others.

**Size :** 7/8" bore

**Function :** braking

**Descriptive Information :** Wilwood(R) Engineering part #260-9439, 260-12900, 261-13271 (with proportioning valve), 261-13272 (with proportioning valve) are replacement aftermarket brake master cylinder (with integral brake reservoir) used by vehicle restorers, modifiers, street rods builders as a component of the brake system. The recalled master cylinders are identified by with the "Wilwood®" trademark on the oval-shaped cast aluminum body with a cast 7/8" bore indication below the reservoir (on the outlet side) and a three letter production date code on the bottom rib of the cylinder (Ex.: "FEE"). The parts suffix indicates different finishes including ("B", black), ("P", ball burnish). The recalled parts were available for sale between approximately January 2, 2006 and October 31, 2016. (See picture of sample recalled part and additional identifying information attached).

This recall relates only to Wilwood® 7/8" bore Tandem Master Brake Cylinders (with integral reservoir) part numbers 260-9439, 260-12900, 261-13271 (with proportioning valve); 261-13272 (with proportioning valve) marked with one of the production date codes indicated in the attachment. Other Wilwood® master cylinders, components or OEM (ex. Ford, General Motors) supplied parts are not subject to this recall.

**Production Dates :** JAN 02, 2006 - OCT 31, 2016

**Description of Defect :**

Description of the Defect : Wilwood® believes the brake cylinder seal in the front circuit may become deformed, bypassing hydraulic fluid and resulting in loss of braking in front circuit.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Unexpected loss of brake pressure and pedal feel in front brake circuit increasing risk of accident.

Description of the Cause : Flange size of front circuit master cylinder piston may interfere with the cylinder seal lip, creating a temporary seal against the piston flange, allowing fluid to bypass the seal.

Identification of Any Warning that can Occur : Unexpected loss of pedal pressure which may be restored or difficult to replicate. Loss of front wheel braking.

**Supplier Identification :****Component Manufacturer**

Name : Wilwood Engineering, Inc.

Address : 4700 Calle Bolero  
Camarillo CALIFORNIA 93012

Country : United States

**Chronology :**

On May 20, 2017 a custom vehicle builder made Wilwood® aware of concerns over loss of pedal pressure and decreased front braking performance in a brake system whose fabrication included the Wilwood® 7/8" tandem master cylinders identified herein. On June 5, 2017, the suspect master cylinder was returned to Wilwood®, disassembled and inspected for failure and deterioration of internal components. Between June 6, 2017 and June 14, 2017 Wilwood(R) tested and evaluated the performance of the suspect master cylinder and was able to duplicate the customer complaint and identify root cause and potentially contributing conditions as outlined in the "description of defect" above. Analysis of customer complaints and warranty claims suggests unverified concerns similar to the May 20, 2017 report described above.

## Description of Remedy :

**Description of Remedy Program :** Wilwood® will undertake an upgrade/replacement campaign for suspect master cylinders identified in this recall. Without charge to customers, Wilwood® will replace the piston and piston seal assemblies in recalled parts with parts of improved design or exchange recalled parts for rebuilt Wilwood® master cylinders including the improved piston and piston seal assemblies. The recalled parts are used primarily by professional vehicle restorers, custom and street rod builders, restorers or hobbyists with a high degree of mechanical skill. Wilwood® anticipates the replacement master cylinder will be installed by these customers. Customers unwilling or unable to conduct the required upgrade/replacement will be directed to a Wilwood® recommended service center. Wilwood® will compensate authorized service centers for work required by this recall up to .7 hours at prevailing rates. Customers who have replaced or repaired suspect master cylinders prior to this recall will be offered reimbursement for the cost of the upgrade/replacement parts and up to .7 hours labor at prevailing rates if work was performed by a service center.

**How Remedy Component Differs from Recalled Component :** Remedy master cylinders will be marked with a unique production/upgrade code on the cylinder body.

**Identify How/When Recall Condition was Corrected in Production :** On November 1, 2016 Wilwood® made a running change in the piston and piston seal assembly that includes the parts to be replaced in master cylinders subject to this recall.

## Recall Schedule :

**Description of Recall Schedule :** Wilwood® anticipates direct (wholesale) and end use customer notifications can be sent within 60 days of NHTSA approval. Wilwood® parts are primarily distributed through a limited number of independent wholesalers and shops specializing in custom vehicle builds and restorations. Aside from any prior warranty contact Wilwood® has little direct information on end-use customers and owners. The specialized shops using Wilwood® master cylinders may have information on end-use customers and owners. Wilwood® anticipates cooperation from these shops and wholesalers in identifying end-use customers. Wilwood® will also establish a recall link on Wilwood's home page and provide press releases on Internet forums related to Wilwood® parts as an additional means of identifying and notifying end use customers.

**Planned Dealer Notification Date :** JUL 05, 2017 - JUL 31, 2017

**Planned Owner Notification Date :** JUL 05, 2017 - AUG 31, 2017

## Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR

Address : NR

NR

Country : NR

Company Phone : NR

\* NR - Not Reported