

Three-Legged Five Why Analysis

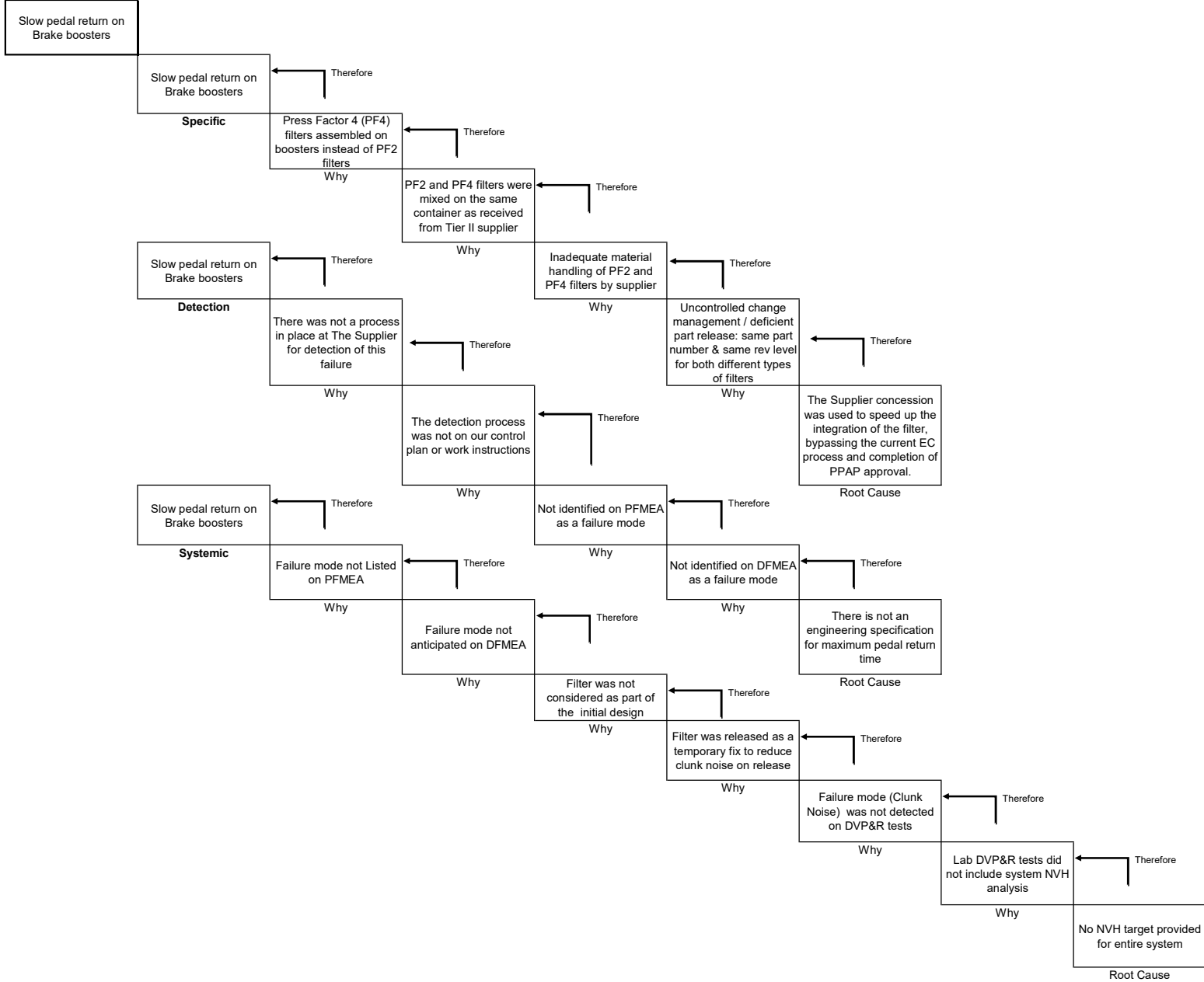
Issue number: H 080710

Date of issue: 6/26/2008

Customer: Mr Customer

Part / Process: 9R33 2B195BD / Booster Assembly

Issue description (i.e., What was wrong with the part when received by Customer?)



Permanent Corrective Actions	Timing
<p>A - Specific</p> <p>1.- Improve EC system in order to reduce review and implementation time. 2. - Establish procedure with supply base to ensure that components subject to an engineering change are properly controlled and accounted for to ensure a clean break point. Sign-off to be conducted at Supplier's facility. 3.- Improve receiving inspection procedure for parts subject to changes (ECs)</p>	
<p>B - Detection</p> <p>1.- Proposed implementation of a pedal return verification test at the brake booster assembly line to measure the return time. 2.- Release a pedal return time specification for brake booster assemblies.</p>	1.- 7/14/08
<p>C - Systemic</p> <p>1.- Release NVH target for brake system. 2.- Implementation of new valve body in brake booster to reduce air flow capability and eliminate the need for the temporary filter. 3.- Ensure that DVP&R tests for booster assemblies capture all customer specifications, expectations and demands so that "design freeze" is achieved before process development. Validación de la vida útil del filtro y como impacta su degradación en el pedal return. Acelerar la implementación del new valve body.</p>	

Read Across Actions	Timing	Lessons Learned Summary
No other valve body filters used in any other booster assemblies.	N/R	Do not release components that are very similar to the naked eye without adding engineering specifications that allow proper identification and segregation of material with different properties.