

 Michigan Automotive Compressor, Inc. Quality Assurance Manual for Suppliers	Document Number:
	QA-SM-08
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Subject: Process Flow Diagram	

PURPOSE:

The Process Flow Diagram is intended to illustrate the general flow of the manufacturing process in a clear and simple diagram for common, quick reference.

SCOPE:

The Process Flow Diagram should begin with the reception of raw material or subcomponents, and should end with packing and shipping. All processes, movements, storage, and quality checks should be included in between. The details of each process or quality check do not need to be elaborated on, as the diagram will serve as a visual aid to the accompanying control plan, which will also be included with a PPAP package.

CONTENT:

In the accompanying example (QA-SM-08-F1), basic shapes are used to distinguish between different types of activity, including processes, movements, quality checks, and storage intervals (distinguish parallel processes and machines, multiple fixtures/die cavities, etc). The product being manufactured in this example undergoes four distinct processes following an initial quality check of the received raw material, with various quality checks interspersed along the way. Each supplier may have their own unique way of illustrating their process flow. As long as the relevant information is conveyed, and the diagram is easy to follow, any method is sufficient. This particular model is intended as a generic, simple example.