# NASA TECH BRIEF Marshall Space Flight Center 



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## Pictorial Display of Materials and Processes Aids in Fabricating Complex Assemblies

An improved method for determining the materials and processes needed to fabricate an assembly consists of a single pictorial display showing a cutaway view of the assembly, the subassemblies identified by name, and the materials and processes identified by both specification and commercial designation. Previously, gathering the necessary information required the review of several different documents, such as engineering drawings, process specifications, material specifications, and a qualified source list.

In the pictorial display shown in the figure, lines connect the subassemblies on the cutaway view to the subassembly nomenclature listing, and continue to various points on the fabrication information chart. By following the lines, it is possible to determine the fabrication requirements for each subassembly.

The assembly fabrication display can be used in engineering, manufacturing, and personnel training as an aid in defining and understanding fabrication processes.

## Notes:

1. Designation of commercial company products is only indicative, not inclusive, and is not.. a recommendation of one company over another.
2. Requests for further information may be directed to:

Technology Utilization Officer
Code A\&TS-TU
Marshall Space Flight Center
Huntsville, Alabama 35812
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## Patent status:

No patent action is contemplated by NASA.

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