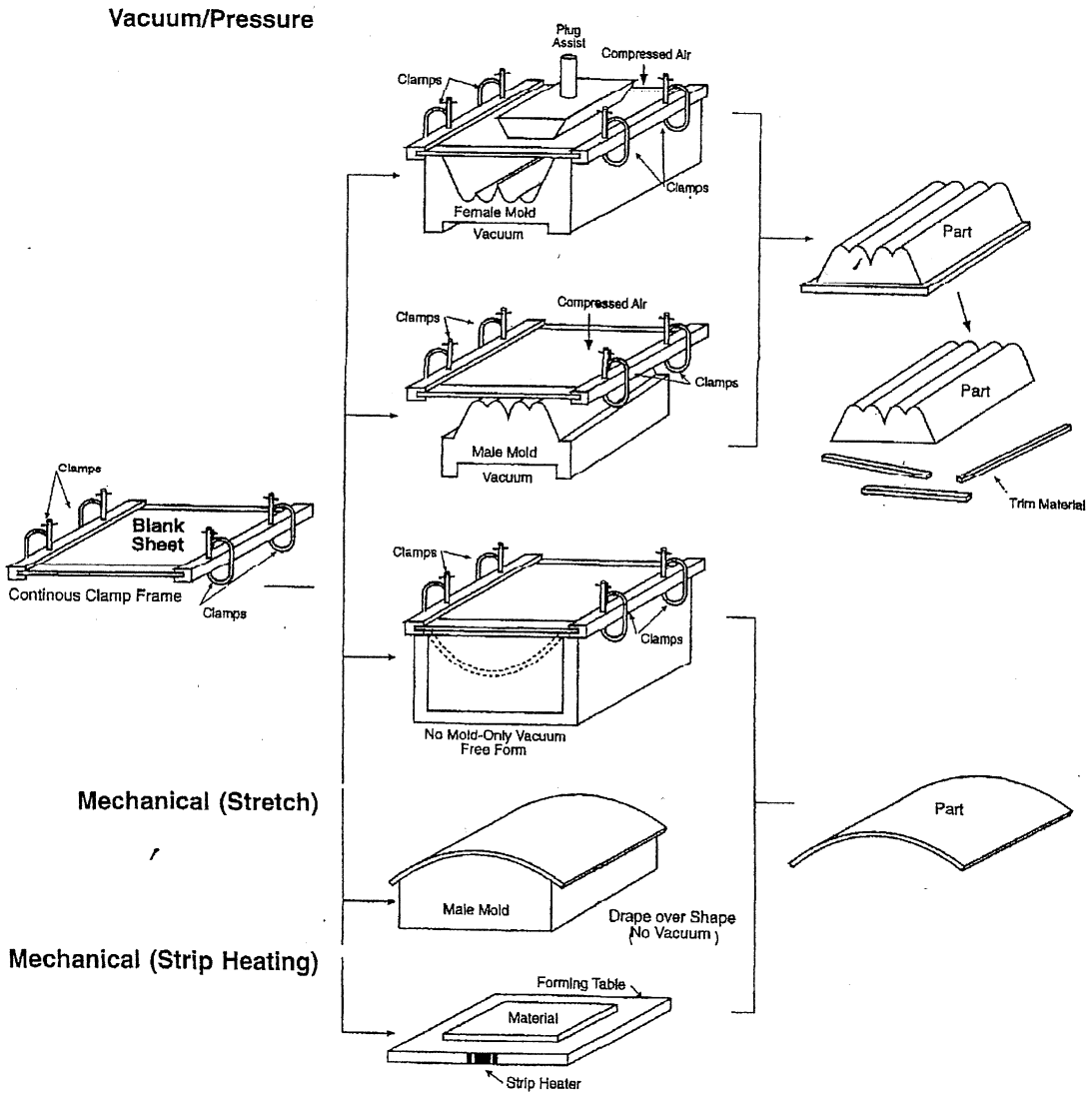
Thermoforming

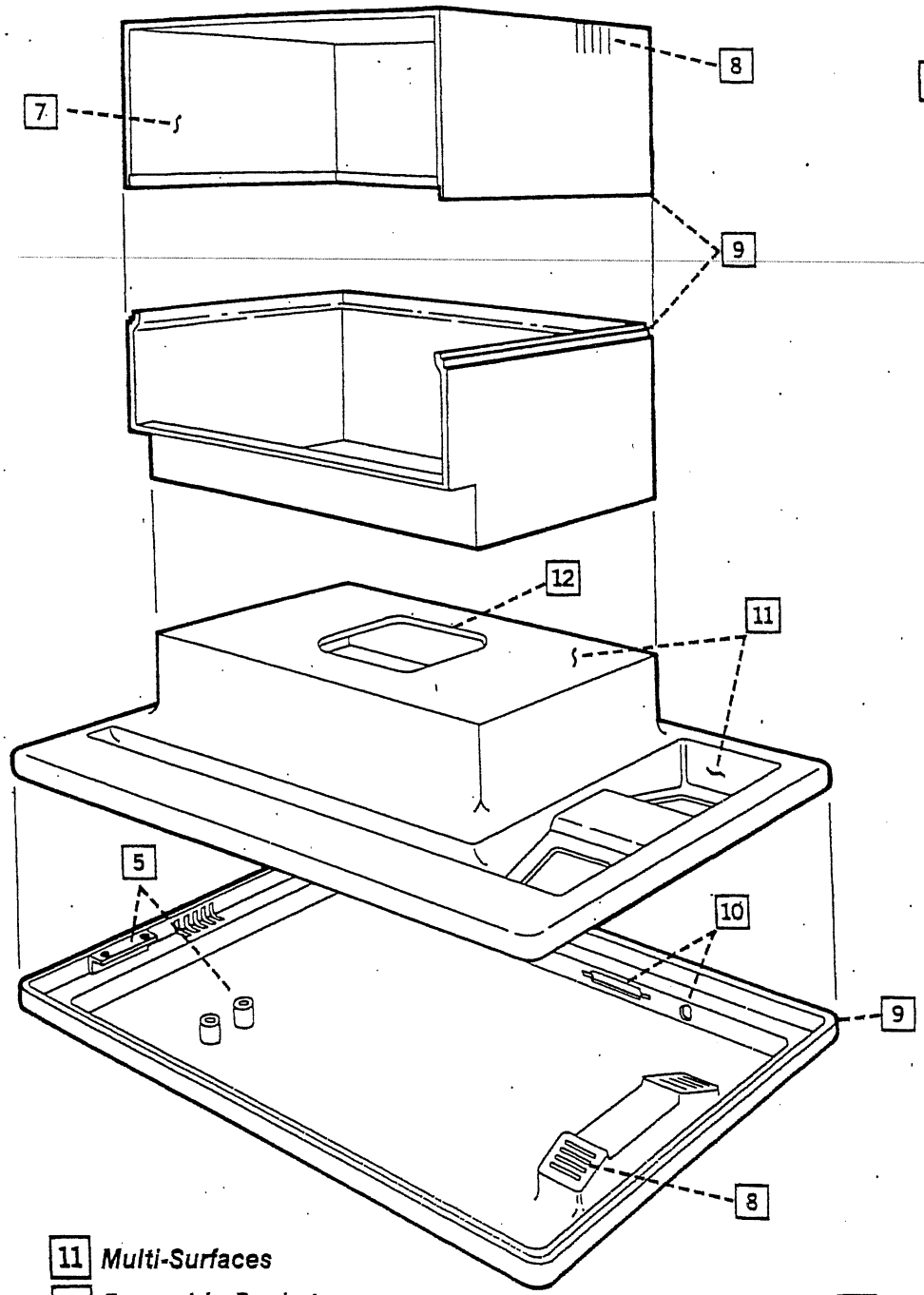
The process of heating thermoplastic sheet and forming it into a part or shape.

Heating	Forming	Cooling	Trimming and Secondary Operations



Notes:

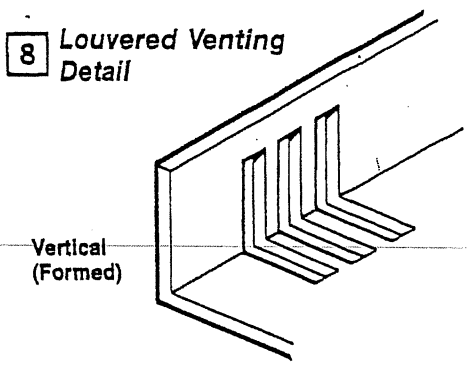
1. Clamp Frame- Holds material during heating and forming
2. Plug Assist- (Optional) Pushes hot plastic into a female mold, so vacuum can:
   1. form detail
   2. help maintain wall thickness
3. Vacuum/ Pressure- Working together they ensure sharp detail
4. Trim Material- Has dollar value. Must be clean and separated by like material for resale.

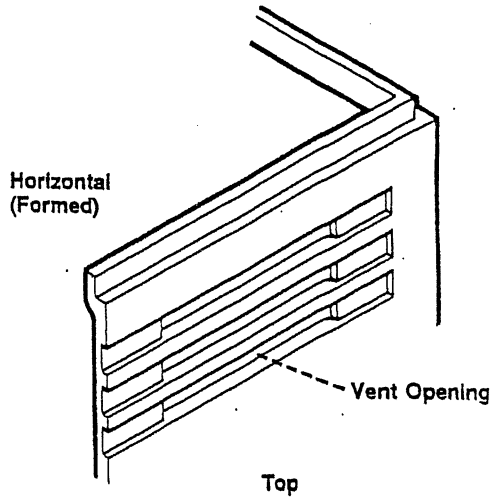


11 *Multi-Surfaces*

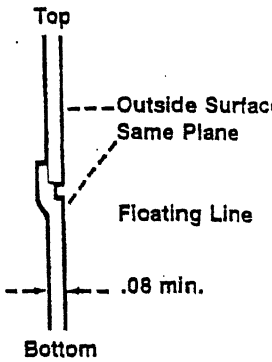
12 *Formed-In Pockets*
Eliminates raw edges and enhances the cosmetics and rigidity of the part

8 *Louvered Venting Detail*

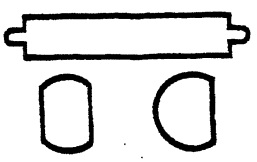


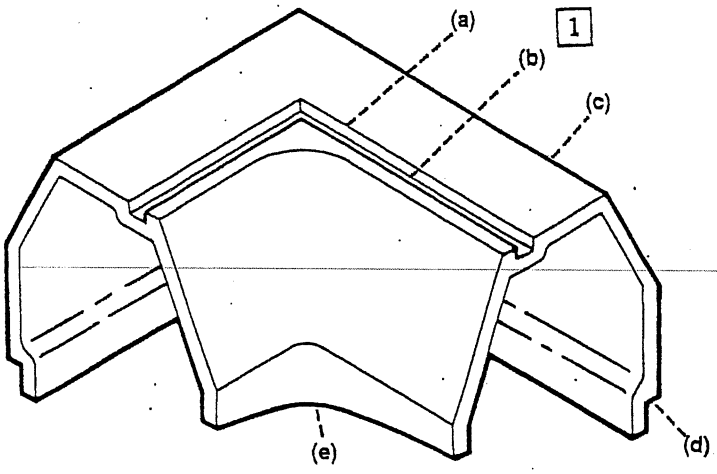


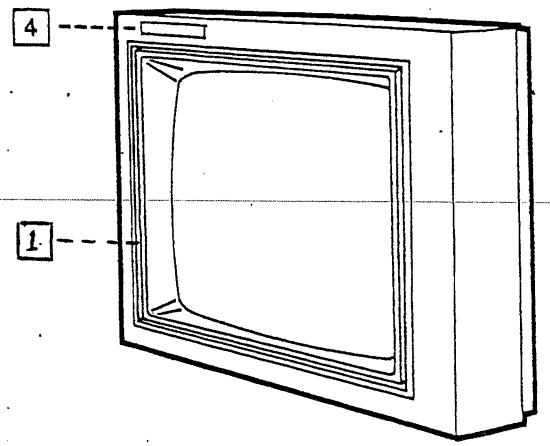
9 *Mating Surfaces and Break Lines*



10 *Formed Cut-Outs*
Connectors
A/C Cord Strain Reliefs
Side Depressions





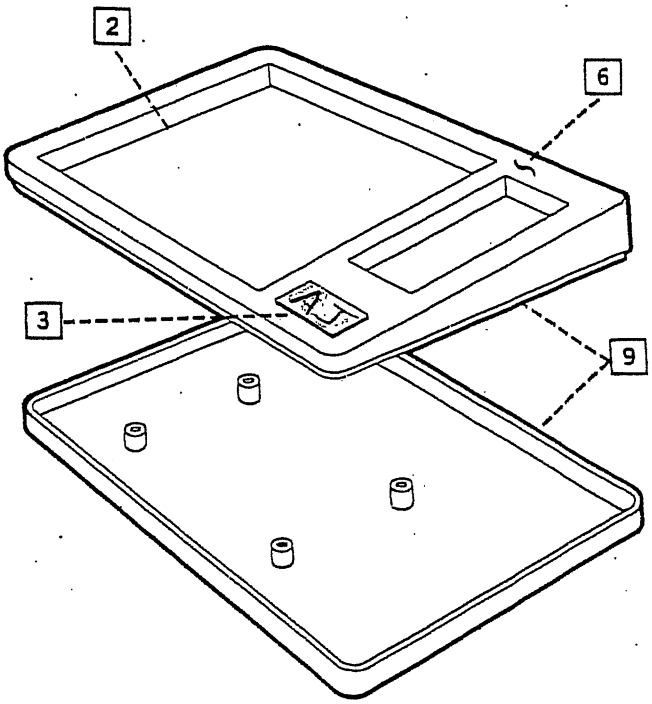


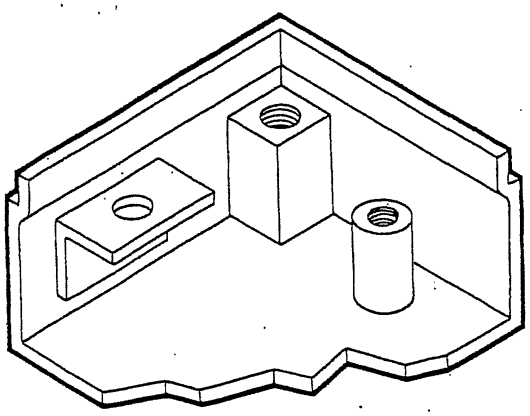
1 *For the "Contemporary" Design Look*
- (a) Break-line for painted surface ("Design Break")
- (b) Sharp formed groove
- (c) "O" Radius appearing corners (.030R)
- (d) Undercuts
- (e) Spherical Radii

2 *"O" Draft Surfaces (for critical clearance)*

3 *Logos and Lettering*
Raised, Recessed, Silkscreened or Hot Stamped

4 *Depressions for Logo-Plates or Feet*





5 *Mounting Detail—Bonded in Place*
Bosses, Flanges, Stand-offs; with or without threaded inserts (accurately located within ± .02)

6 *Finishes and Textures*
Molded-in or Painted

7 *EMI-RFI Shielding*
FCC approved coatings applied to all inside surfaces, as required.