```
SpatialDist = {type:'surface', use_map:0, longitude:[0, 2*!dpi], $
latitude:[-!dpi/2,!dpi/2], exobase:input.SpatialDist.exobase}
AngularDist = {type:'isotropic', azimuth:[0,2*!dpi], altitude:[0,!dpi/2.]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      latitude:[-!dpi/2,!dpi/2], exobase:input.SpatialDist.exobase}
AngularDist = {type:'isotropic', azimuth:[0,2*!dpi], altitude:[0,!dpi/2.]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          genericinput = {geometry:input.geometry, sticking_info:input.sticking_info, $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               input = (isa(inputtemp, 'string')) ? inputs restore(inputtemp) : inputtemp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 perturbvel:input.perturbvel, plasma_info:input.plasma_info, $
SpatialDist:SpatialDist, SpeedDist:SpeedDist, AngularDist:AngularDist}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SpatialDist = {type:'surface', use_map:0, longitude:[0, 2*!dpi], $
                                                                                 ;; Standard function for making the generic version of an input file
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      stop ;; don't know what generic exosphere dist should be
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      'mercury': SpeedDist = {type:'flat', vprob:4d, delv:3.99d}
'jupiter': SpeedDist = {type:'flat', vprob:4d, delv:3.9d}
'saturn': SpeedDist = {type:'flat', vprob:4d, delv:3.9d}
                                                                                                                                                                                                                                                                                                                                                                                                                * created based on code removed from modeldriver_3.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AngularDist = {type:'isotropic', azimuth:[0,2*!dpi],
altitude:[-!dpi/2.,!dpi/2.]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    s', suo
                                                                                                                                                                                                                                                                                                                           * Added PSD spatial distribution option
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                case strlowcase(input.SpatialDist.type) of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               case strlowcase(input.geometry.planet) of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    forces:input.forces, options:input.opt
function make_generic_input, inputtemp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exosphere': begin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       return, genericinput
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  perturbvel:input.
                                                                                                                                                                                                                                                                           3.1: 7/8/2011
                                                                                                                                                                                                                                                                                                                                                               3.0: 1/7/2011
                                                                                                                                                                                                                                                ;; Version History
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             'surface': b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        else: stop
```