

Parameters



Parameters

- Parameter values are specified in ***PARAMETER** cards and can be referred to anywhere in the model.
- This allows you to change one parameter rather than changing multiple fields.
- PRIMER also fully supports all types of parameter:
 - ***PARAMETER_EXPRESSION** – simple algebraic expressions.
 - ***PARAMETER_LOCAL** – are local to the include file they are defined in.
 - ***PARAMETER_MUTABLE** – parameter can be redefined at some later point.
 - ***PARAMETER_DUPLICATION** – options for when duplicate parameters are defined in the deck.



The *PARAMETER Card

- By editing the ***PARAMETER** card you can change one parameter without having to change multiple fields.
- For example setting the thickness on multiple section cards:

```
*PARAMETER
```

```
R GAUGE          5.2
```

```
*SECTION_SHELL
```

	1	2	0.0	0	0.0	0.0	0	0
&GAUGE	&GAUGE	&GAUGE	&GAUGE		0.0	0.0	0.0	0
\$								
	2	2	0.0	0	0.0	0.0	0	0
&GAUGE	&GAUGE	&GAUGE	&GAUGE		0.0	0.0	0.0	0



Editing Parameters within PRIMER

- To edit the parameters of a part within PRIMER, a pop up menu can be invoked by typing “&” into an input box.
- From there you will be able to select, edit or create a *PARAMETER card.

MODIFY PART M1/P3500023

Buttons: + Update, Reset All, Check, Sketch, Only, Sketch Master, X Cancel, Copy In, X-Refs, Text Edit, Basic C of G, Adjusted C of G

Include: (1) seat.key

Modify PART 3500023 (model 1) Part type: *PART

Title: SEAT_HINGEPLATE2_OUTBOARD

Contents... Part contains 106 SHELL(s) Rigid attributes

Properties... MAT_020: RIGID Restraints, etc

Insert props

PID	SECID	MID	EOSID	HGID	GRAV	ADPOPT	TMD
3500023	3500023	3500102	<n/a>	0	0	0	0

_option1: <no option> (selected), _INERTIA, _REPOSITION

_option2: <no option>, _CONTACT (selected)

_option3: <no option> (selected), _PRINT

_option4: <no option> (selected), _ATT_NODES

_option5: <no option> (selected), _AVERAGED

_option6: <no option> (selected), _FIELD

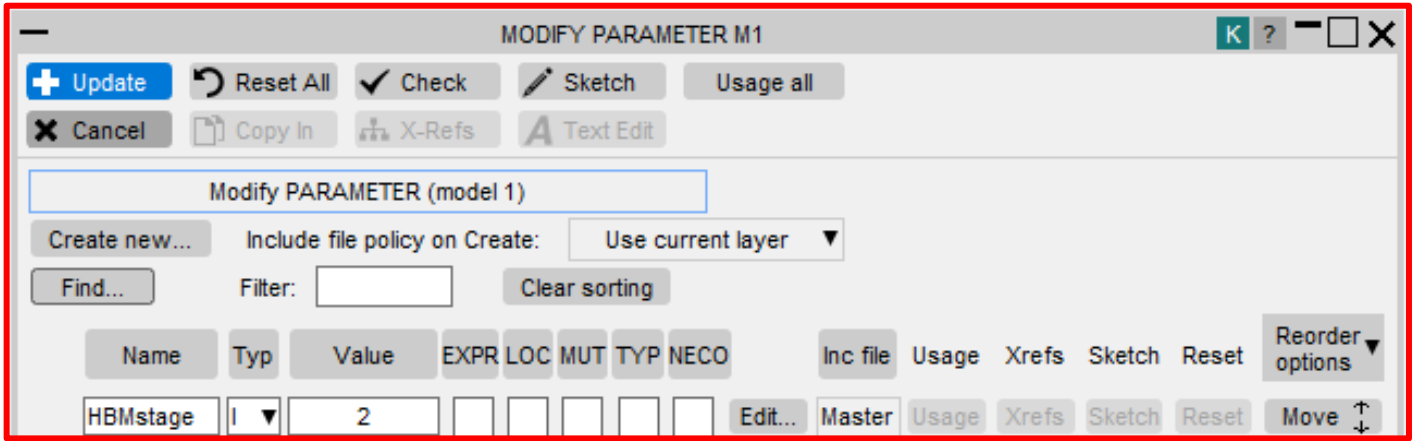
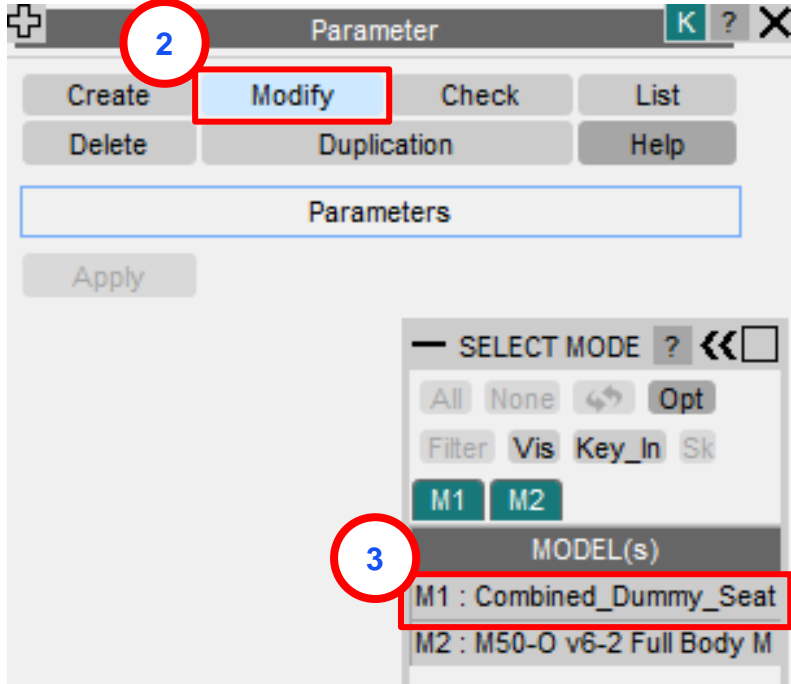
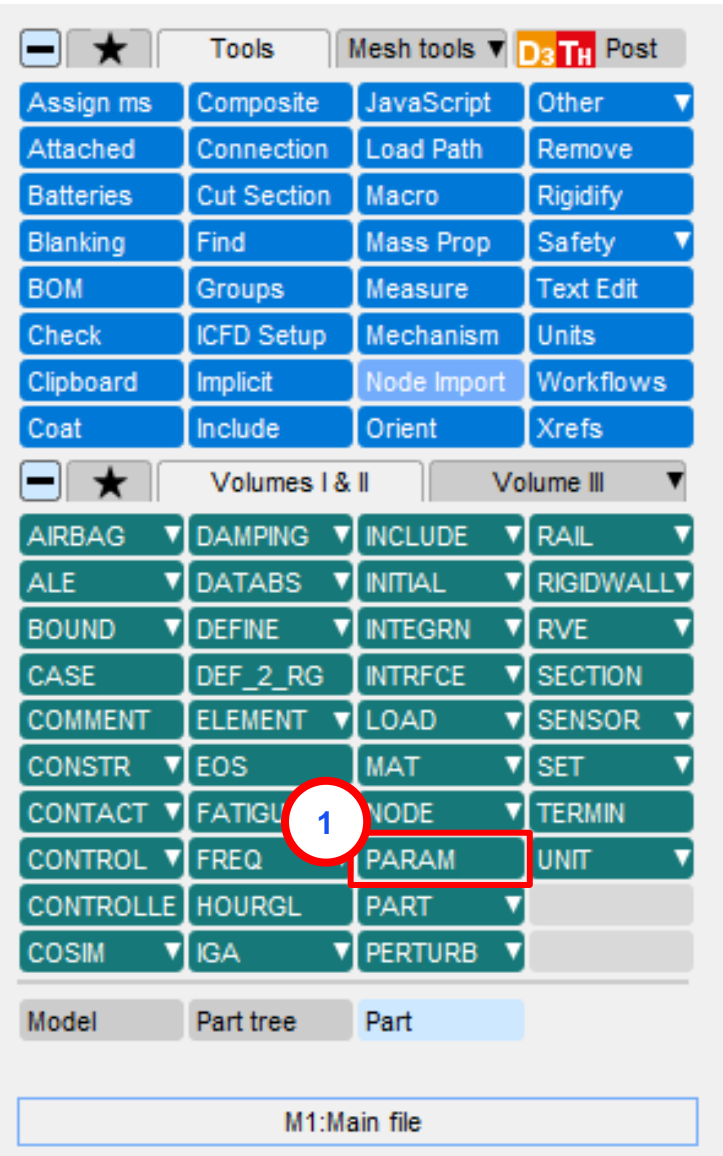
Switch to PART_COMPOSITE Report _INERTIA modifiers

FS	FD	DC	VC	OPTT	SFT	SSF	CPARM8
&			0.0	0.0	0.0	0.0	0

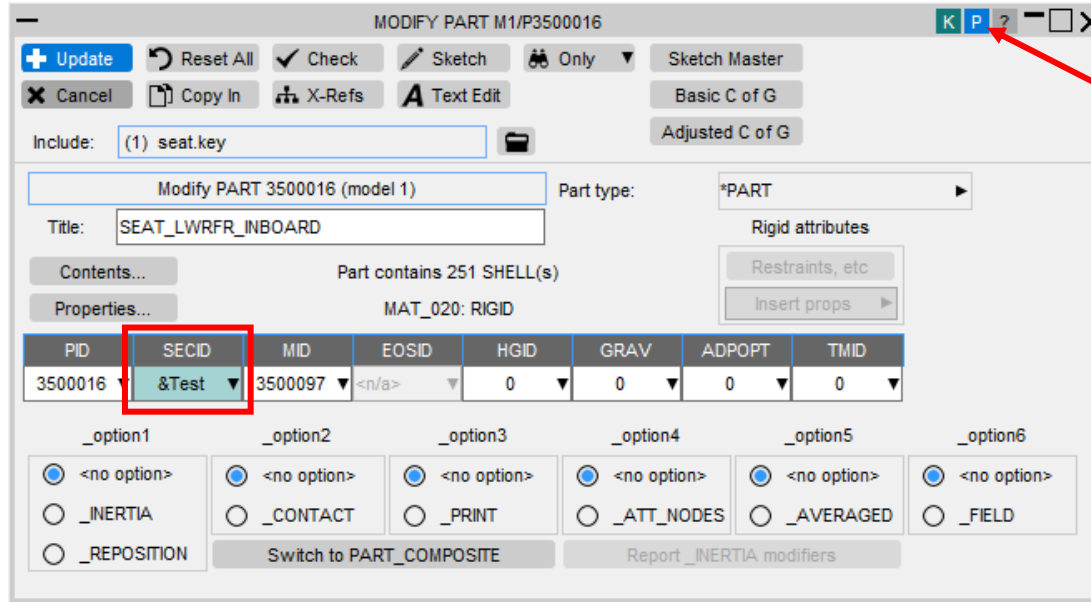
Parameters in Model 1

HBMstage	(I)	2
s1dur	(R)	100.0
s1set	(R)	50.0
s2dur	(R)	100.0
s2set	(R)	50.0

Modifying Parameters

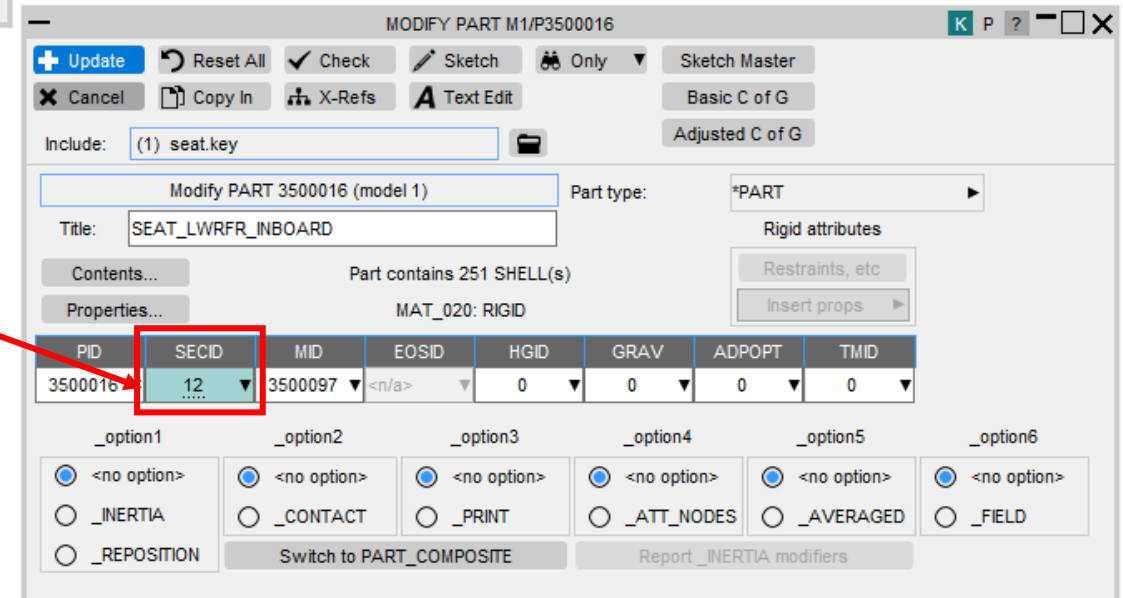


Modifying Parameters From Edit Panels



- It is also possible to change the way a parameter is displayed in edit panels by pressing the “P” button in the top right corner of the window.

- The two display options are the name or the value of the parameter.
- When displaying the value of the parameter it will show dots underneath the number, this is to make it clearer the value is a parameter.



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