

## PartFinder 1.0 Dec 7 2015

Check the latest README:

<http://hottons.com/demo/m2/pf/README.html>

With this extension your store visitor can search for a product (usually a replacement part) that applies to specific car, printer, mobile phone, etc.

For example if the product is a car bulb the visitor can select car make and model in the PartFinder selectors box.

Then he will be redirected to the PartFinder results page where all matching products will be listed.

Optionally you can add category drop-downs or a search word field to the end of the selectors in the PartFinder selector box.

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## Installation

1) Upload 80 new files:

app/code/Pektsekye/PartFinder/Block/Adminhtml/Pf/Selector.php app/code/Pektsekye/PartFinder/Block/Layer.php  
app/code/Pektsekye/PartFinder/Block/Product/Result.php app/code/Pektsekye/PartFinder/Block/Selector.php  
app/code/Pektsekye/PartFinder/composer.json app/code/Pektsekye/PartFinder/Controller/Adminhtml/Pf/Selector.php  
app/code/Pektsekye/PartFinder/Controller/Adminhtml/Pf/Selector/CreateSelector.php  
app/code/Pektsekye/PartFinder/Controller/Adminhtml/Pf/Selector/DeleteSelector.php  
app/code/Pektsekye/PartFinder/Controller/Adminhtml/Pf/Selector/ExportRestrictions.php  
app/code/Pektsekye/PartFinder/Controller/Adminhtml/Pf/Selector/ImportDatabase.php  
app/code/Pektsekye/PartFinder/Controller/Adminhtml/Pf/Selector/ImportRestrictions.php  
app/code/Pektsekye/PartFinder/Controller/Adminhtml/Pf/Selector/Index.php  
app/code/Pektsekye/PartFinder/Controller/Adminhtml/Pf/Selector/SaveSelector.php  
app/code/Pektsekye/PartFinder/Controller/Product.php app/code/Pektsekye/PartFinder/Controller/Product/Result.php  
app/code/Pektsekye/PartFinder/Controller/Selector.php app/code/Pektsekye/PartFinder/Controller/Selector/Ajax.php  
app/code/Pektsekye/PartFinder/Controller/Selector/Ajax/CheckResult.php  
app/code/Pektsekye/PartFinder/Controller/Selector/Fetch.php app/code/Pektsekye/PartFinder/etc/acl.xml  
app/code/Pektsekye/PartFinder/etc/adminhtml/menu.xml app/code/Pektsekye/PartFinder/etc/adminhtml/routes.xml  
app/code/Pektsekye/PartFinder/etc/adminhtml/system.xml app/code/Pektsekye/PartFinder/etc/config.xml

app/code/Pektsekye/PartFinder/etc/di.xml app/code/Pektsekye/PartFinder/etc/frontend/di.xml  
app/code/Pektsekye/PartFinder/etc/frontend/page\_types.xml app/code/Pektsekye/PartFinder/etc/frontend/routes.xml  
app/code/Pektsekye/PartFinder/etc/indexer.xml app/code/Pektsekye/PartFinder/etc/module.xml  
app/code/Pektsekye/PartFinder/etc/mview.xml app/code/Pektsekye/PartFinder/Helper/Data.php  
app/code/Pektsekye/PartFinder/i18n/en\_US.csv app/code/Pektsekye/PartFinder/LICENSE.txt  
app/code/Pektsekye/PartFinder/Model/Categorylayer.php app/code/Pektsekye/PartFinder/Model/Db.php  
app/code/Pektsekye/PartFinder/Model/Db/CsvImportHandler.php  
app/code/Pektsekye/PartFinder/Model/Indexer/Restriction.php  
app/code/Pektsekye/PartFinder/Model/Indexer/Restriction/Plugin/AbstractPlugin.php  
app/code/Pektsekye/PartFinder/Model/Indexer/Restriction/Plugin/Attribute.php  
app/code/Pektsekye/PartFinder/Model/Indexer/Restriction/Plugin/Import.php  
app/code/Pektsekye/PartFinder/Model/Indexer/Restriction/Plugin/Product.php  
app/code/Pektsekye/PartFinder/Model/Indexer/Restriction/Plugin/Selector.php  
app/code/Pektsekye/PartFinder/Model/Layer/Category.php  
app/code/Pektsekye/PartFinder/Model/Layer/Category/CollectionFilter.php  
app/code/Pektsekye/PartFinder/Model/Layer/Category/ItemCollectionProvider.php  
app/code/Pektsekye/PartFinder/Model/Layer/Search.php  
app/code/Pektsekye/PartFinder/Model/Layer/Search/AvailabilityFlag.php  
app/code/Pektsekye/PartFinder/Model/Layer/Search/CollectionFilter.php  
app/code/Pektsekye/PartFinder/Model/Layer/Search/FilterableAttributeList.php  
app/code/Pektsekye/PartFinder/Model/Layer/Search/ItemCollectionProvider.php  
app/code/Pektsekye/PartFinder/Model/ResourceModel/Db.php  
app/code/Pektsekye/PartFinder/Model/ResourceModel/Indexer/Restriction.php  
app/code/Pektsekye/PartFinder/Model/ResourceModel/Restriction.php  
app/code/Pektsekye/PartFinder/Model/ResourceModel/Selector.php  
app/code/Pektsekye/PartFinder/Model/ResourceModel/Selector/Level.php  
app/code/Pektsekye/PartFinder/Model/ResourceModel/Selector/Level/Collection.php  
app/code/Pektsekye/PartFinder/Model/Restriction.php  
app/code/Pektsekye/PartFinder/Model/Restriction/CsvImportHandler.php  
app/code/Pektsekye/PartFinder/Model/Searchlayer.php app/code/Pektsekye/PartFinder/Model/Selector.php  
app/code/Pektsekye/PartFinder/Model/Selector/Level.php  
app/code/Pektsekye/PartFinder/Plugin/Catalog/Model/Layer/Resolver.php app/code/Pektsekye/PartFinder/README.md  
app/code/Pektsekye/PartFinder/registration.php app/code/Pektsekye/PartFinder/Setup/InstallSchema.php  
app/code/Pektsekye/PartFinder/view/adminhtml/layout/adminhtml\_pf\_selector\_index.xml  
app/code/Pektsekye/PartFinder/view/adminhtml/templates/pf/selector.phtml  
app/code/Pektsekye/PartFinder/view/frontend/layout/catalog\_category\_view.xml  
app/code/Pektsekye/PartFinder/view/frontend/layout/cms\_index\_index.xml  
app/code/Pektsekye/PartFinder/view/frontend/layout/default.xml  
app/code/Pektsekye/PartFinder/view/frontend/layout/partfinder\_product\_result.xml  
app/code/Pektsekye/PartFinder/view/frontend/page\_layout/2columns-left.xml  
app/code/Pektsekye/PartFinder/view/frontend/page\_layout/2columns-right.xml  
app/code/Pektsekye/PartFinder/view/frontend/requirejs-config.js  
app/code/Pektsekye/PartFinder/view/frontend/templates/horizontal\_selector.phtml  
app/code/Pektsekye/PartFinder/view/frontend/templates/selector.phtml  
app/code/Pektsekye/PartFinder/view/frontend/templates/widget.phtml  
app/code/Pektsekye/PartFinder/view/frontend/web/main.css app/code/Pektsekye/PartFinder/view/frontend/web/main.js

## 2) Connect to your website via SSH:

Type in Terminal of your computer:

```
ssh -p 2222 username@yourdomain.com
```

Then enter your server password

If you are connected to your server change directory with command:

```
cd /full_path_to_your_magento_root_directory
```

Update magento modules with command:

```
./bin/magento setup:upgrade
```

NOTE: If it shows permission error make it executable with command: `chmod +x bin/magento`

3) Manually remove cached `_requirejs` dictionary:  
`pub/static/_requirejs`

4) Refresh magento cache:

Go to Magento admin panel -> System -> Cache Management

Click the "Flush Magento Cache" button ([screenshot](#))

## Start Using

1) Import PartFinder database

Follow the [Import database](#) section.

2) Create selector

Go to *Marketing* -> *SEO & Search* -> *PartFinder* ([screenshot](#))

1. Choose selector columns, set the order and click the "Create Selector" button ([screenshot](#))

Each user selection should point to only one row in the database.

For example it will not be enough to choose only Make and Model as selector columns when there is a third column - Year.

2. Adjust the default option values, the URL parameter names and click the "Save Changes" button ([screenshot](#))

Url parameter name must not match any of the Magento attribute codes.

3) Create PartFinder Restriction attribute

Go to *Stores* -> *Attributes* -> *Product* ([screenshot](#))

Add new attribute:

Catalog Input Type for Store Owner: **Text Area**

Attribute Code: **partfinder\_restriction**

Scope: **Global**

Set other properties as you need and save it. ([screenshot](#))

4) Apply the PartFinder Restriction attribute to attribute sets

Go to *Stores* -> *Attributes* -> *Attribute Set* ([screenshot](#))

Open an attribute set (ex. "Bag")

1. Add a new group (ex. "Part Finder")

2. Add the `partfinder_restriction` attribute to the group. ([screenshot](#))

5) Set PartFinder restriction to products

Go to *Products* -> *Catalog*

Find a product with the attribute set that includes your attribute (ex. "Bag").

Type comma-separated vehicle phrases into the PartFinder Restriction attribute text area:

Jeep,  
Ford,  
Acura CL 2003-2005,  
Acura Integra GS,  
Acura Legend Base 86 - 92,  
Honda Civic LX,  
Honda CR-V EX 1999,  
Honda Odyssey Cargo 1999 - 2002,  
Honda Passport EX,  
Toyota Celica GT 92-95

For more information read the [Restriction format](#) section.

Save the product. ([screenshot](#))

## 6) Check the result in the front-end

The PartFinder selector box should appear at the top of the main page or in left sidebar on category pages.

Try to find a product with it ([screenshot](#))

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## Product Restriction Format

The restriction text is vehicle phrases separated with comma.  
Each vehicle phrase is database row values concatenated with space.  
The first value is mandatory. Other values can be omitted.  
The order of the values should be the same as it is in the selector.

For example we have the following rows in the partfinder database:

Acura	Legend SE	1995
Alfa Romeo	164 Sport	1991

To make a product restriction that will match these rows you can type vehicle phrases in :

### a) Complete way. All values are used:

Acura Legend SE 1995,  
Alfa Romeo 164 Sport 1991

### b) Short way. The first value is used. Other values omitted from the end of the complete phrase:

Acura,  
Alfa Romeo 164 Sport

### c) Incomplete way. The first value is used. Other values omitted in the middle of the complete phrase:

Acura SE,  
Alfa Romeo Sport,

**d)** Incomplete way with year ranges. Year range YY-YY or YYYY-YYYY instead of the single year value:

Acura 1995-2001,  
Alfa Romeo Sport 91-93,

The year range must be enabled in:

*Stores -> Settings -> Configuration -> PART FINDER -> Settings* ([screenshot](#))

**e)** Universal product. The word "all" is used instead of the restriction text:

all

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## Import PartFinder database

1) If you don't have a ready database follow the [Prepare database](#) section.

2) Go to *Marketing -> SEO & Search -> PartFinder* ([screenshot](#))

3) Choose your .csv file in the "Update PartFinder Database" section and click the "Update PartFinder Database" button.

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## Prepare PartFinder database

The first row must contain the column titles. The selector columns must not have empty values. Each row must have a unique combination of selector column values. Attribute values can be empty or can repeat in other attribute columns or selector columns. You cannot make an optional level. If you do need to make a level optional (ex. "car engine") you can use a dummy value (ex. "all engines") instead of the empty cell in the PartFinder database. Then a visitor will be able to select "all engines" value in the drop-down and be able to proceed to the next level. [Just don't forget that the combination of all selector levels should still be a unique row in the PartFinder database.] Another workaround is to create a magento attribute "car engine" and to make it visible in the layered navigation. Then a visitor after selecting a vehicle in the PartFinder selector box will be able to choose an available engine option in the magento's layered navigation box. Sample database [partfinder\\_sample\\_database.csv](#) Check a [screenshot](#) **NOTE:** To save time you can use a ready database. Try to google for "car make models specifications database".

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## Import Product Restrictions

1) Prepare all the data with the Excel program. Check the restriction values with the [Restriction format](#) section. Check a [sample import file](#).

2) Go to *Marketing -> SEO & Search -> PartFinder* ([screenshot](#))

3) Choose your .csv file in the "Import Product Restrictions" section and click the "Import Product Restrictions" button.

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## Export Product Restrictions

- 1) Go to *Marketing -> SEO & Search -> PartFinder* ([screenshot](#))
  - 2) Click the "Export Product Restrictions" button.
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## Translate to your language

Translate this file:

app/code/Pektsekye/PartFinder/i18n/en\_US.csv

Then rename it to your locale:

app/code/Pektsekye/PartFinder/i18n/YOUR\_LOCALE.csv

You can add the default level options to this file and translate them also.

For example if you typed "-- select make --" as default option of any selector level ([screenshot](#))

You can add it to the end of the Pektsekye\_PartFinder.csv file as:

-- select make --,"-- select make translated --"

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## Configuration

You can disable the category drop-downs, disable the search field or disable year range matching in:

*Stores -> Settings -> Configuration -> PART FINDER -> Settings* ([screenshot](#))

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## Troubleshooting

- Out of memory error while running the reindex process.  
You should contact your hosting support to increase the PHP memory limit.

PHP memory\_limit no less than 256Mb (preferably 512)

If it is not possible try to decrease the number of rows in the partfinder database.

- Products have text restriction but they are not found.  
Check the partfinder restriction attribute properties:

Attribute Code: **partfinder\_restriction**

Scope: **Global**

Catalog Input Type for Store Owner: **Text Area**

Check if the product is In Stock and you can find it with normal magento search.

- The "Select Category" drop-down does not have options.  
The product must be assigned to a category.  
All parent categories (except the root category) should be Anchor.

Flat Category must be disabled in *Stores -> Settings -> Configuration -> Catalog -> Catalog ->*

*Storefront -> Use Flat Catalog Category*

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