**European Car Manufacturer**

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| --- | --- | --- | --- | --- |
| Physical Name | Type [read only] | Physical Data Type | Null Option | Default/Constraint |
| CustomerId | Primary Key | int | Not Null | Generate |
| ManufacturerVehicleMakeId | Primary Key | int | Not Null | Generate |
| ManufacturerVehicleStockId | Primary Key | int | Not Null | Generate |
| SalesOrderVehicleDetailId | Primary Key | int | Not Null | Generate |
| StaffId | Primary Key | int | Not Null | Generate |
| diagram\_id | Primary Key | int | Not Null | Generate |
| CountryId | Primary Key | smallint | Not Null | Generate |
| ManufacturerModelId | Primary Key | smallint | Not Null | Generate |
| IsCustomerReseller | Non Primary Key | bit | Null | 0/1 |
| IsCustomerCreditRisk | Non Primary Key | bit | Null | 0/1 |
| IsPremiumRoadHandlingPackage | Non Primary Key | bit | Null | 0/1 |
| CategoryDescription | Non Primary Key | CHAR(18) | Not Null | Description |
| DerivedDiscountedSalePrice | Non Primary Key | CHAR(18) | Not Null | Formula |
| InvoiceNumber | Non Primary Key | char(8) | Null |  |
| PurchaseDate | Non Primary Key | date | Null | sysdatetime() |
| SaleDate | Non Primary Key | date | Null | sysdatetime() |
| SysStartTime | Non Primary Key | datetime2(7) | Null | sysdatetime() |
| SysEndTime | Non Primary Key | datetime2(7) | Null | sysdatetime() |
| UserAuthenticatedKey | Non Primary Key | int | Null |  |
| CustomerSpendCapacityId | Non Primary Key | int | Null |  |
| MarketingTypeId | Non Primary Key | int | Null |  |
| StockId | Non Primary Key | int | Null |  |
| ModelID | Non Primary Key | int | Null |  |
| CustomerId | Non Primary Key | int | Null |  |
| LowerThreshold | Non Primary Key | int | Null | Min/Max |
| UpperThreshold | Non Primary Key | int | Null | Min/Max |
| SalesOrderVehicleId | Non Primary Key | int | Not Null |  |
| CustomerId | Non Primary Key | int | Null |  |
| StaffId | Non Primary Key | int | Not Null |  |
| SalesOrderVehicleId | Non Primary Key | int | Null |  |
| ManagerID | Non Primary Key | int | Null |  |
| principal\_id | Non Primary Key | int | Not Null |  |
| version | Non Primary Key | int | Null | Constant |
| IsDeleted | Non Primary Key | nchar(1) | Null | Y/N |
| CountryISO2 | Non Primary Key | nchar(10) | Null | Valid Values |
| CustomerCountry | Non Primary Key | nchar(10) | Null |  |
| Country | Non Primary Key | nchar(10) | Not Null | Valid Values |
| StockId | Non Primary Key | nchar(10) | Null |  |
| CountryISO3 | Non Primary Key | nchar(3) | Not Null | Valid Values |
| ManufacturerVehicleMakeCountry | Non Primary Key | nchar(3) | Not Null | Valid Values |
| Cost | Non Primary Key | numeric(18,2) | Null | Formula |
| RepairsCharge | Non Primary Key | numeric(18,2) | Null |  |
| PartsCharge | Non Primary Key | numeric(18,2) | Null |  |
| DeliveryCharge | Non Primary Key | numeric(18,2) | Null |  |
| TotalSalePrice | Non Primary Key | numeric(18,2) | Null | Formula |
| SalePrice | Non Primary Key | numeric(18,2) | Null | Formula |
| LineItemDiscount | Non Primary Key | numeric(18,2) | Null | Formula |
| ManufacturerVehicleMakeName | Non Primary Key | nvarchar(100) | Null |  |
| MakeName | Non Primary Key | nvarchar(100) | Null |  |
| CountryName | Non Primary Key | nvarchar(150) | Null | Valid Values |
| CustomerName | Non Primary Key | nvarchar(150) | Null |  |
| ManufacturerModelName | Non Primary Key | nvarchar(150) | Null |  |
| ManufacturerModelVariant | Non Primary Key | nvarchar(150) | Null |  |
| CustomerName | Non Primary Key | nvarchar(150) | Not Null |  |
| SalesRegion | Non Primary Key | nvarchar(20) | Null |  |
| Note | Non Primary Key | nvarchar(200) | Not Null | ‘Note’ |
| MarketingType | Non Primary Key | nvarchar(200) | Null |  |
| CusomerComments | Non Primary Key | nvarchar(4000) | Null |  |
| CustomerAddress1 | Non Primary Key | nvarchar(50) | Null |  |
| CustomerAddress2 | Non Primary Key | nvarchar(50) | Null |  |
| CustomerTown | Non Primary Key | nvarchar(50) | Null |  |
| CustomerPostalCode | Non Primary Key | nvarchar(50) | Null |  |
| StockCode | Non Primary Key | nvarchar(50) | Null |  |
| VehicleColor | Non Primary Key | nvarchar(50) | Null |  |
| CategoryDescription | Non Primary Key | nvarchar(50) | Null |  |
| StockCode | Non Primary Key | nvarchar(50) | Null |  |
| StaffName | Non Primary Key | nvarchar(50) | Null |  |
| Department | Non Primary Key | nvarchar(50) | Null |  |
| TransactionNumber | Non Primary Key | smallint | Null |  |
| name | Non Primary Key | sysname | Not Null |  |
| LineItemNumber | Non Primary Key | tinyint | Not Null |  |
| RowLevelHashKey | Non Primary Key | varbinary(32) | Null |  |
| definition | Non Primary Key | varbinary(max) | Null |  |
| SpendCapacity | Non Primary Key | varchar(25) | Not Null | Min/Max |

|  |  |
| --- | --- |
| Blob | 4 |
| DateTime | 4 |
| Number | 32 |
| String | 34 |
|  |  |
|  |  |
|  |  |

Domains:

* ID 🡪 SurrogateKeys type int
* Sequences 🡪 SequenceNo type numeric (For columns like TransactionNumber, LineItemNumber etc)
* Flags 🡪 The model has both int and string type flags. Can be simplified as only one type. If not used in formulas, I suggest we convert all flags as char(1) ‘Y/N’. Columns containing “Is”.
* Name 🡪 For all type of names such as Customer, Company etc.
* Address 🡪 dAddress as top domain type String. Child domains PostalCode, Town etc.
* TimeStamp 🡪 for sysStart, sysEnd and other date specific columns. Default sysdatetime()

Most of the column types are either number or string. One unusual type used for column name

name Non Primary Key sysname Not Null

Defaults:

dateTime 🡪 sysdatetime()

Min/Max can be used for columns that refers to thresholds

Valid Values can be used for CountryName, CountryCode, MakeName etc

Default description/note for user suggestions.