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**Production.BillOfMaterials**

Items required to make bicycles and bicycle subassemblies. It identifies the hierarchical relationship between a parent product and its components.

* **BillOfMaterials** :Primary key
* **ProductAssemblyID** : Parent product identification number. Foreign key to Product.ProductID.
* **ComponentID** : Component identification number. Foreign key to Product.ProductID.
* **StarDate**: Date the component started being used in the assembly item.
* **EndDate**: Date the component stopped being used in the assembly item.
* **UnitMeasureCode**: Standard code identifying the unit of measure for the quantity.
* **BOMLevel**: Indicates the depth the component is from its parent (AssemblyID).
* **PerAssemblyQty** : Quantity of the component needed to create the assembly.
* **ModifiedDate** : Date and time the record was last updated.
* **Keys**:
* PK\_BillOfMaterials\_BillOfMaterialsID
* FK\_BillOfMaterials\_Product\_ComponentID
* FK\_BillOfMaterials\_Product\_ProductAssemblyID
* FK\_BillOfMaterials\_UnitMeasure\_UnitMeasureCode

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**Production.Culture**

Lookup table containing the languages in which some AdventureWorks data is stored.

* **CultureID** : Primary key
* **Name** : Culture description.
* **ModifiedDate** : Date and time the record was last updated.
* **Keys**:
* PK\_Culture\_CultureID

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**Production.Document**

Product maintenance documents.

* **DocumentNode** :Primary key
* **DocumentLevel** :Depth in the document hierarchy.
* **Title**: Title of the document.
* **Owner**: Employee who controls the document .Foreign key to Employee.BusinessEntityID
* **FolderFlag** : 0 = This is a folder, 1 = This is a document.
* **FileName** :File name of the document
* **FileExtension** :File extension indicating the document type. For example, .doc or .txt.
* **Revision** :Revision number of the document.
* **ChangeNumber** : Engineering change approval number.
* **Status** :1 = Pending approval, 2 = Approved, 3 = Obsolete
* **DocumentSummary** :Document abstract.
* **Document** :Complete document.
* **rowguid** :ROWGUIDCOL number uniquely identifying the record. Required for FileStream.
* **ModifiedDate** :Date and time the record was last updated.
* **Keys**:
* PK\_Document\_DocumentNode
* FK\_Document\_Employee\_Owner
* UQ\_Document\_F73921F7C81C642F

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**Production.Illustration**

Bicycle assembly diagrams.

* **IllustrationID**: Primary key
* **Diagram** :Illustrations used in manufacturing instructions. Stored as XML.
* **ModifiedDate** : Date and time the record was last updated.
* **Keys**:
* PK\_Illustration\_IllustrationID

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**Production.Location**

Product inventory and manufacturing locations.

* **LocationID :**Primary key
* **Name :** Location description.
* **CostRate :** Standard hourly cost of the manufacturing location.
* **Availability :**Work capacity (in hours) of the manufacturing location.
* **ModifiedDate :** Date and time the record was last updated.
* **Keys:**
* PK\_Location\_LocationID

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**Production.Product**

Products sold or used in the manufacturing of sold products.

* **ProductID**: Primary key
* **Name :** Name of the product.
* **ProductNumber :** Unique product identification number.
* **MakeFlag :** 0 = Product is purchased, 1 = Product is manufactured in-house.
* **FinishedGoodsFlag :** 0 = Product is not a salable item. 1 = Product is salable.
* **Color :** Product color
* **SafetyStockLevel :** Minimum inventory quantity.
* **ReorderPoint :** Inventory level that triggers a purchase order or work order.
* **StandardCost :** Standard cost of the product.
* **ListPrice :** Selling price.
* **Size :** Product size.
* **SizeUnitMeasureCode :** Unit of measure for Size column.
* **WeightUnitMeasureCode :** Unit of measure for Weight column.
* **Weight :** Product weight.
* **DaysToManufacture :** Number of days required to manufacture the product.
* **ProductLine :** R = Road, M = Mountain, T = Touring, S = Standard
* **Class :** H = High, M = Medium, L = Low
* **Style :** W = Womens, M = Mens, U = Universal
* **ProductSubcategoryID :** Product is a member of this product subcategory. Foreign key to ProductSubCategory.ProductSubCategoryID.
* **ProductModelID :** Product is a member of this product model. Foreign key to ProductModel.ProductModelID.
* **SellStartDate :** Date the product was available for sale.
* **SellEndDate :** Date the product was no longer available for sale.
* **DiscontinuedDate :** Date the product was discontinued.
* **rowguid :** ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
* **ModifiedDate :** Date and time the record was last updated.
* **Keys:**
* PK\_Product\_ProductID
* FK\_Product\_ProductModel\_ProductModelID
* FK\_Product\_ProductSubcategory\_ProductSubcategoryID
* FK\_Product\_UnitMeasure\_SizeUnitMeasureCode
* FK\_Product\_UnitMeasure\_WeightUnitMeasureCode

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**Production.ProductCategory**

High-level product categorization.

* **ProductCategoryID :** Primary key
* **Name :** Category description.
* **rowguid :** ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
* **ModifiedDate :** Date and time the record was last updated.
* **Keys**:
* PK\_ProductCategory\_ProductCategoryID

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**Production.ProductCostHistory**

Changes in the cost of a product over time.

* **ProductID:** Product identification number. Foreign key to Product.ProductID
* **StartDate:** Product cost start date.
* **EndDate:** Product cost end date.
* **StandardCost:** Standard cost of the product.
* **ModifiedDate:** Date and time the record was last updated.
* **Keys:**
* PK\_ProductCostHistory\_ProductID\_StartDate
* FK\_ProductCostHistory\_Product\_ProductID

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**Production.ProductDescription**:

Product descriptions in several languages.

* **Product descriptions in several languages:** Primary key for ProductDescription records.
* **Description:** Description of the product.
* **rowguid:**ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
* **ModifiedDate:**Date and time the record was last updated.
* **Keys:**
* PK\_ProductDescription\_ProductDescriptionID

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**Production.ProductDocument**

Cross-reference table mapping products to related product documents.

* **ProductID :** Product identification number. Foreign key to Product.ProductID.
* **DocumentNode :** Document identification number. Foreign key to Document.DocumentNode.
* **ModifiedDate :** Date and time the record was last updated.
* **Keys:**
* PK\_ProductDocument\_ProductID\_DocumentNode
* FK\_ProductDocument\_Document\_DocumentNode
* FK\_ProductDocument\_Product\_ProductID

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**Production.ProductInventory**

Product inventory information.

* **ProductID:** Product identification number. Foreign key to Product.ProductID.
* **LocationID:** Inventory location identification number. Foreign key to Location.LocationID.
* **Shelf:** Storage compartment within an inventory location.
* **Bin:** Storage container on a shelf in an inventory location.
* **Quantity:** Quantity of products in the inventory location.
* **rowguid:** ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
* **ModifiedDate:** Date and time the record was last updated
* **Keys:**
* **PK\_ProductInventory\_ProductID\_LocationID**
* **FK\_ProductInventory\_Location\_LocationID**
* **FK\_ProductInventory\_Product\_ProductID**

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**Production.ProductListPriceHistory**

Changes in the list price of a product over time.

* **ProductID:** Product identification number. Foreign key to Product.ProductID
* **StartDate:** List price start date.
* **EndDate:** List price end date
* **ListPrice:** Product list price.
* **ModifiedDate:**Date and time the record was last updated.
* **Keys:**
* PK\_ProductListPriceHistory\_ProductID\_StartDate
* FK\_ProductListPriceHistory\_Product\_ProductID

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**Production.ProductModel**

Product model classification.

* **ProductModelID:** Primary key for ProductModel records.
* **Name:** Product model description.
* **CatalogDescription:** Detailed product catalog information in xml format.
* **Instructions:** Manufacturing instructions in xml format.
* **rowguid:** ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
* **ModifiedDate:** Date and time the record was last updated.
* **Keys:**
* PK\_ProductModel\_ProductModelID

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**Production.ProductModelIllustration**

Cross-reference table mapping product models and illustrations.

* **ProductModelID:** Primary key. Foreign key to ProductModel.ProductModelID.
* **IllustrationID:** Primary key. Foreign key to Illustration.IllustrationID.
* **ModifiedDate:** Date and time the record was last updated.
* **Keys:**
* PK\_ProductModelIllustration\_ProductModelID\_IllustrationID
* FK\_ProductModelIllustration\_Illustration\_IllustrationID
* FK\_ProductModelIllustration\_ProductModel\_ProductModelID

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**Production.ProductModelProductDescriptionCulture**

Cross-reference table mapping product descriptions and the language the description is written in.

* **ProductModelID**: Primary key. Foreign key to ProductModel.ProductModelID.
* **ProductDescriptionID:** Primary key. Foreign key to ProductDescription.ProductDescriptionID.
* **CultureID:** Culture identification number. Foreign key to Culture.CultureID.
* **ModifiedDate:** Date and time the record was last updated.
* **Keys:**
* PK\_ProductModelProductDescriptionCulture\_ProductModelID\_ProductDescriptionID\_CultureID
* FK\_ProductModelProductDescriptionCulture\_Culture\_CultureID
* FK\_ProductModelProductDescriptionCulture\_ProductDescription\_ProductDescriptionID
* FK\_ProductModelProductDescriptionCulture\_ProductModel\_ProductModelID

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**Production.ProductPhoto**

Product images.

* **ProductPhotoID:** Primary key for ProductPhoto records.
* **ThumbNailPhoto:** Small image of the product.
* **ThumbnailPhotoFileName:** Small image file name.
* **LargePhoto:** Large image of the product.
* **LargePhotoFileName:** Large image file name.
* **ModifiedDate:** Date and time the record was last updated.
* **Keys:**
* PK\_ProductPhoto\_ProductPhotoID

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**Production.ProductProductPhoto**

Cross-reference table mapping products and product photos.

* **ProductID:** Product identification number. Foreign key to Product.ProductID.
* **ProductPhotoID:** Product photo identification number. Foreign key to ProductPhoto.ProductPhotoID.
* **Primary:** 0 = Photo is not the principal image. 1 = Photo is the principal image.
* **ModifiedDate:** Date and time the record was last updated.
* **Keys:**
* PK\_ProductProductPhoto\_ProductID\_ProductPhotoID
* FK\_ProductProductPhoto\_Product\_ProductID
* FK\_ProductProductPhoto\_ProductPhoto\_ProductPhotoID

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**Production.ProductReview**

Customer reviews of products they have purchased.

* **ProductReviewID:** Primary key for ProductReview records.
* **ProductID:** Product identification number. Foreign key to Product.ProductID.
* **ReviewerName:** Name of the reviewer.
* **ReviewDate:** Date review was submitted.
* **EmailAddress:** Reviewer's e-mail address.
* **Rating:** Product rating given by the reviewer. Scale is 1 to 5 with 5 as the highest rating.
* **Comments:** Reviewer's comments
* **ModifiedDate:** Date and time the record was last updated.
* **Keys:**
* PK\_ProductReview\_ProductReviewID
* FK\_ProductReview\_Product\_ProductID

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**Production.ProductSubcategory**

Product subcategories. See ProductCategory table.

* **ProductSubcategoryID:** Primary key for ProductSubcategory records.
* **ProductCategoryID:** Product category identification number. Foreign key to ProductCategory.ProductCategoryID.
* **Name:** Subcategory description.
* **rowguid:** ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample**.**
* **ModifiedDate:** Date and time the record was last updated.
* **Keys:**
* PK\_ProductSubcategory\_ProductSubcategoryID
* FK\_ProductSubcategory\_ProductCategory\_ProductCategoryID

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**Production.ScrapReason**

Manufacturing failure reasons lookup table.

* **ScrapReasonID:** Primary key for ScrapReason records.
* **Name:** Failure description.
* **ModifiedDate:** Date and time the record was last updated.
* **Keys:**
* PK\_ScrapReason\_ScrapReasonID

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**Production.TransactionHistory**

Record of each purchase order, sales order, or work order transaction year to date.

* **TransactionID:** Primary key for TransactionHistory records.
* **ProductID:** Product identification number. Foreign key to Product.ProductID.
* **ReferenceOrderID:** Purchase order, sales order, or work order identification number.
* **ReferenceOrderLineID:** Line number associated with the purchase order, sales order, or work order.
* **TransactionDate:** Date and time of the transaction.
* **TransactionType:** W = WorkOrder, S = SalesOrder, P = PurchaseOrder
* **Quantity:** Product quantity.
* **ActualCost:** Product cost.
* **ModifiedDate:** Date and time the record was last updated.
* **Keys:**
* PK\_TransactionID

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**Production.TransactionHistoryArchive**

Transactions for previous years.

* **TransactionID:** Primary key for TransactionHistoryArchive records.
* **ProductID:** Product identification number. Foreign key to Product.ProductID.
* **ReferenceOrderID:** Purchase order, sales order, or work order identification number.
* **ReferenceOrderLineID:** Line number associated with the purchase order, sales order, or work order.
* **TransactionDate:** Date and time of the transaction.
* **TransactionType:** W = Work Order, S = Sales Order, P = Purchase Order
* **Quantity:** Product quantity.
* **ActualCost:** Product cost.
* **ModifiedDate:** Date and time the record was last updated.
* **Keys:**
* PK\_TransactionHistoryArchive\_TransactionID

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**Production.UnitMeasure**

Unit of measure lookup table.

* **UnitMeasureCode:** Primary key.
* **Name:** Unit of measure description.
* **ModifiedDate:** Date and time the record was last updated.
* **Keys:**
* PK\_UnitMeasure\_UnitMeasureCode

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**Production.WorkOrder**

Manufacturing work orders.

* **WorkOrderID:** Primary key for WorkOrder records.
* **ProductID:** Product identification number. Foreign key to Product.ProductID.
* **OrderQty:** Product quantity to build.
* **StockedQty:** Quantity built and put in inventory.
* **ScrappedQty:** Quantity that failed inspection.
* **StartDate:** Work order start date.
* **EndDate:** Work order end date.
* **DueDate:** Work order due date.
* **ScrapReasonID:** Reason for inspection failure.
* **ModifiedDate:** Date and time the record was last updated.
* **Keys**:
* PK\_WorkOrder\_WorkOrderID
* FK\_WorkOrder\_Product\_ProductID
* FK\_WorkOrder\_ScrapReason\_ScrapReasonID

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**Production.WorkOrderRouting**

Work order details.

* **WorkOrderID:** Primary key. Foreign key to WorkOrder.WorkOrderID.
* **ProductID:** Primary key. Foreign key to Product.ProductID.
* **OperationSequence:** Primary key. Indicates the manufacturing process sequence.
* **LocationID:** Manufacturing location where the part is processed. Foreign key to Location.LocationID.
* **ScheduledStartDate:** Planned manufacturing start date.
* **ScheduledEndDate:** Planned manufacturing end date.
* **ActualStartDate:** Actual start date.
* **ActualEndDate:** Actual end date.
* **ActualResourceHrs:** Number of manufacturing hours used.
* **PlannedCost:** Estimated manufacturing cost.
* **ActualCost:** Actual manufacturing cost.
* **ModifiedDate:** Date and time the record was last updated.
* **Keys:**
* PK\_WorkOrderRouting\_WorkOrderID\_ProductID\_OperationSequence
* FK\_WorkOrderRouting\_Location\_LocationID
* FK\_WorkOrderRouting\_WorkOrder\_WorkOrderID