Repair Order

Repair Order Object

Repair Order is a transaction used track the repair or refurbishment of products and serial numbers.   Like all transactions it is comprised of a Doc portion (Repair Order) and one or more Line Items (RepairOrderItemComponent). RepairOrderItemComponent may optionally include one or more Details.

> You can only create internal repair orders with the API.

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End Point

/repairorder

GET, POST, PUT, DELETE

GET and DELETE requests expect parameter docNo of type Int32.

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Properties -Repair Order

Property	Caption	Data Type	Required	Can Update with PUT
DocNo	No.	Int32	False	False
Date	Date	DateTime	True	True
EstCompletionDate	Est. Completion Date	DateTime	True	True
StatusRef	Status	EntityRef	False	True
RepairOrderTypeRef	Type	EntityRef	True	True
AccountRef	Account	EntityRef	True	True

ItemRef	Item	EntityRef	True	False
BinRef	Bin	EntityRef	True	True
LotOrSerialNo	Lot / Serial Number	String 100)	True	False
Quantity	Quantity	Decimal	True	True
Description	Description	String (4000)	False	True
TechNote	Technician Notes	String (4000)	False	True
EmployeeRef	Employee	EntityRef	False	False
WarrantyTypeRef	Warranty	EntityRef	False	False
WarrantyExpDate	Warranty Expires	Date	False	True
ComponentItems	Components	Array of RepairOrderItemComponent	False	False
CustomFields	Custom Fields	Array of CustomFieldData	False	True

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Properties - Repair Order Item Component

Property	Caption	Data Type	Required	Read Only
$type	This property MUST be included to tell the API what type of item is being added. The value should be "AOLib7.RepairOrderItemComponent, AOLib7"			
Id	Id	Int32	False	True
LineNo	Line No	Int16	False	True
ItemRef	Item	EntityRef	True	False
Description	Description	String (4000)	False	False
SalesTaxCodeRef	Tax Code	EntityRef	False	False
UomRef	UOM	EntityRef	False	False
UomConversionRate	UOM Conversion Rate	Decimal	False	False
EstQuantity	Estimated Quantity	Decimal	True	False
Quantity	Quantity	Decimal	True	False
StdCost	Std. Cost	Decimal	False	True

CustomFields	Custom Fields	Array of CustomFieldData	False	False
Details	Line Item Details	Array of FillBinBase	False	False

Properties - Repair Order Item Component - Details

The Details node is comprised of Line-Item Details.   If you have used the Form Designer, you know that you can add details to show the Bins and Lot or Serial No data for inventoried items.   Only inventoried items comprising of Part and Assembly items need Details.   Details for non-inventoried items will be ignored.   You only need to include Details if you want to specifically identify the bins and / or lot and serial numbers being included, otherwise you can omit the Details section and Order Time will automatically fill the ship doc line item with available inventory [1].   If you include Details for one Ship Doc Line item then you must do so for all inventoried Ship Doc Line Items and visa versa. **You cannot have some inventoried Repair Order Line Items with Details and some without.**

Line Item Details are comprised of an Array of FillBinBase.   FillBinBase can morph into either FillBin or DocFillLotOrSerial. DocFillLotOrSerial is used when the item has TrackLotOrSerial set to true and FillBin is used otherwise.

Property	Caption	Data Type	Required	Read Only	Applied to
$type	This property MUST be included to tell the API what type of Detail is being added. The value should be "AOLib7.FillBin, AOLib7" or "AOLib7.DocFillLotOrSerial, AOLib7"				
Id	Id	Int32	False	True	Both
BinRef	Bin	EntityRef	True	False	Both
LotOrSerialNo	Lot Or Serial No	String (50)	True	False	DocFillLotOrSerial
Quantity	Quantity	Decimal	True	False	Both
CustomFields	Custom Fields	Array of CustomFieldData	False	False	DocFillLotOrSerial

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Json Sample

```
{
   "ItemRef": {"Id": 29},
   "LotOrSerialNo": "ABC123",
   "BinRef": {"Id":8},
   "Quantity": 1,
   "WarrantyTypeRef": {"Id": 6},
   "EmployeeRef": {"Name": "John Lenon"},
   "WarrantyExpDate": "2029-12-31",
   "Date": "2025-02-05",
   "ComponentItems": [
      {
```

```
        "$type": "AOLib7.RepairOrderItemComponent, AOLib7",
        "ItemRef": {
          "Id": 30
        },
        "LineNo": 1,
        "EstQuantity": 2,
        "Quantity": 2
        "Details": [
          {
            "$type": "AOLib7.FillBin, AOLib7",

    "ItemRef": {
  "Id": 30
    },
            "BinRef": {
              "Id": 8,
              "Name": "Floor"
            },
            "Quantity": 2

          }
          ],
        "CustomFields": []
      },
      {
        "$type": "AOLib7.RepairOrderItemComponent, AOLib7",
        "Id": 33,
        "ItemRef": {
          "Id": 37
        },
        "EstQunatity": 1,
        "Quantity": 1,
        "Details": [

          {
            "$type": "AOLib7.DocFillLotOrSerial, AOLib7",
    "ItemRef": {
          "Id": 37
          },
            "BinRef": {
              "Id": 8,
              "Name": "Floor"
            },
            "Quantity": 1,
            "LotOrSerialNo": "1253215235"
          }
          ]

      }
    ],
    "StatusRef": {

      "Name": "Approved"
    }
  }
```

1 - When Details are not included Order Time will attempt to fill the sales order using its business rules and Company Preferences.