

KPP-Advanced™

The KPP™ Module for Advanced Disassembly uses

Through a suite of dedicated modules*, **Kineo Path Planner™** addresses the various needs for studying the accessibility of a component within an assembly in different industrial fields with the most efficient techniques. It offers a scalable answer to Return On Investments for the user and his organization. Belonging to this suite of modules*, **KPP-Advanced™** is an **add-on** for advanced disassembly uses that includes:

✔ **Soft Bodies™** to take into account components made of soft material

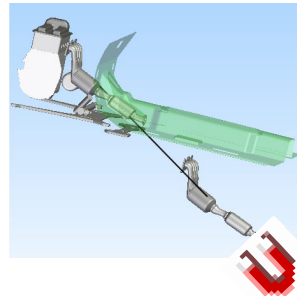
- ✔ Simulates **slightly deformable objects** such as flexibles, cushions, **headliners**, etc
- ✔ Allows **user defined penetrations**
- ✔ Computes a collision free path with **minimum play**

NEW

▪ Does the flexible hose allow the removal of the compressor ?



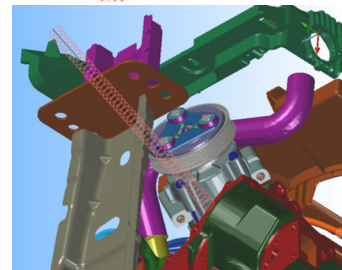
▪ I know that the Exhaust Pipe must be removed by the bottom but how ?



I mouse-drag the Magnet Points™ to find a collision free solution towards the bottom of the assembly.

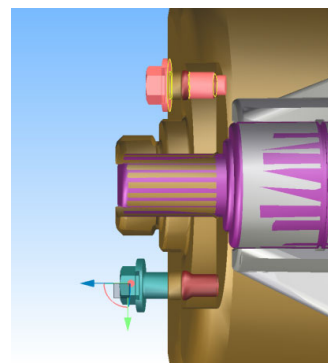
✔ **Magnet Path™**, narrow passage booster

- ✔ **Automatically magnetizes the search** along a draft path set by the user
- ✔ Constraints the **path inside a tunnel**



✔ **Advanced Auto-Extract** to solve complex extraction of a component that is tightly interlocked within its mounted environment

- ✔ Rapidly provides several **auto-extraction strategies** for a colliding part at the starting position
- ✔ When the kinematics of removal is complex but obvious to the user, he can **describe it graphically**
- ✔ Takes into account the geometric center of gravity of the moving part or the **inertial moment of the colliding triangles**



Dismounting colliding parts along inertial axis generates natural motion.

*For more information about the suite of dedicated modules, consult the KPP™ Modules at a glance brochure.

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