

Resource Recycling

Promotion of Vehicle Recycling Design

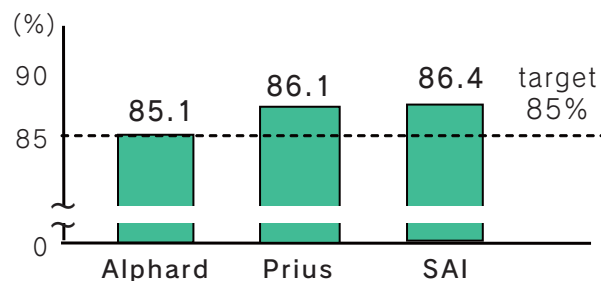
We at Toyota Auto Body are promoting vehicle manufacturing that uses materials of superior recyclability that abide by vehicle recycling laws.

In addition, we understand the importance of recycling, and we have made the dismantlement of end-of-life vehicles easier by considering design structure that makes the recovery of hybrid batteries to be disposed and other makes parts easier to remove.

Potential Recycle Ratio^{※1}

We have achieved the potential to recycle over 85% of our products.

(Achieved recycling over 80% of Recycle Law targets)



※1
 Potential recycle ratio = $\frac{\text{Possible recycle weight}}{\text{Vehicle weight}}$

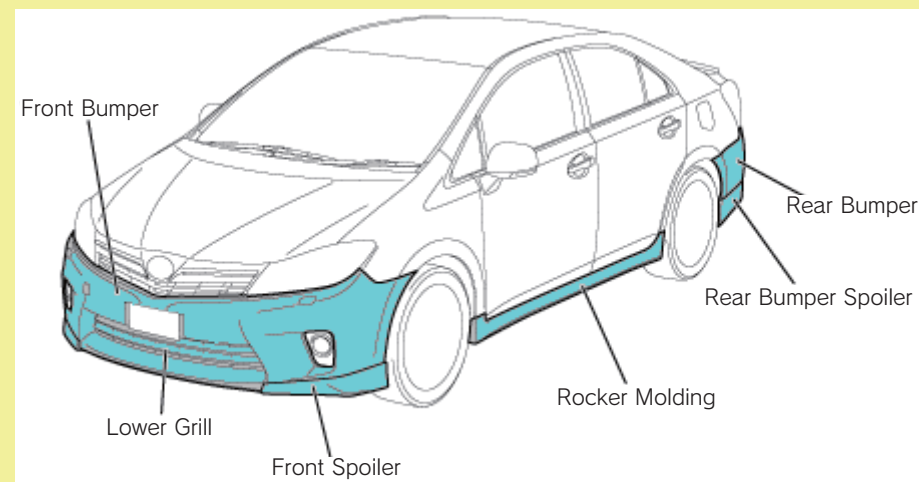
 "Case Example for Dismantlement Improvement Efforts"

Use of Superior Recyclable Materials

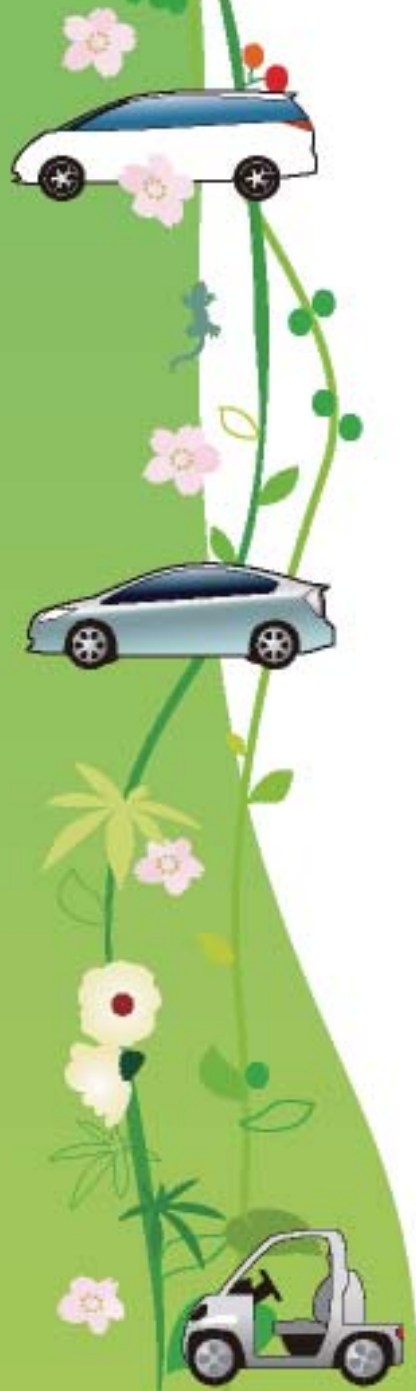
Toyota Auto Body uses superior resin materials (TSOP^{※2}) that have superior recyclability for exterior resin parts that include bumper covers and rocker moldings. We are also promoting recycling of recovered resin materials such as under covers.

※2 TSOP : Toyota Super Olefin Polymer

《TSOP use in the New model SAI》



For the Environment



Resource Recycling

Promotion of Efficient Resource Use

Externally Disposed Waste Substance Reduction Activities

In addition to progressing with FY2001 “zero landfill waste” that we achieved at all group companies, we are continuing to progress with reductions in “combustible waste.” We are also promoting reduction activities for all externally disposed waste substances such as press and resin scrap waste that is generated when manufacturing vehicles.

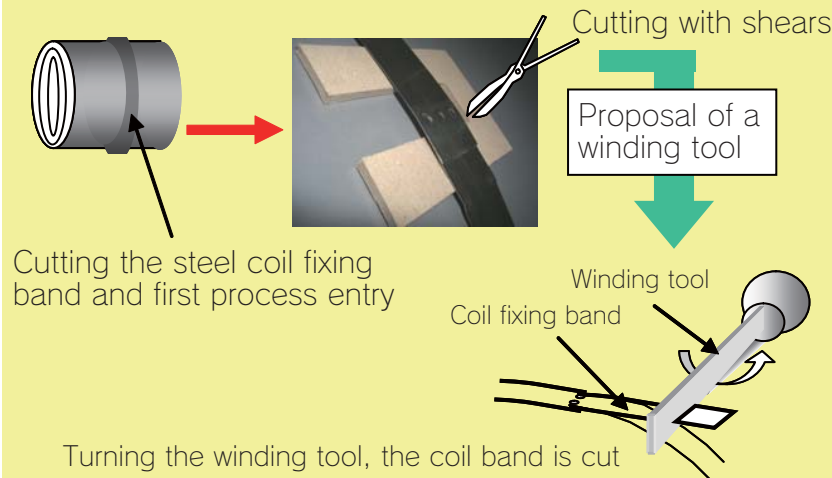
Effective Use of Press Steel Materials (Reduced loss from the front edge waste of coils)

(Before *kaizen*)

When cutting the coil fixing band with shears, scratches form on the front edge which is disposed of as waste.

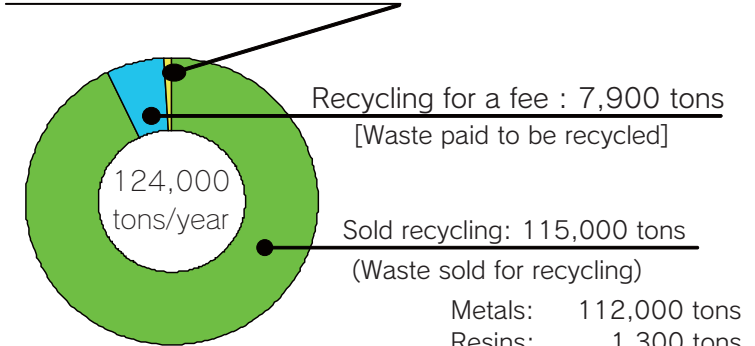
(After *kaizen*)

We thought up a winding tool for releasing the wound coil band, which allowed us to cut up to the edge section of the coil without creating any waste.



Breakdown of FY2009 Externally Disposed Waste Substances

Combustible waste: 400 tons

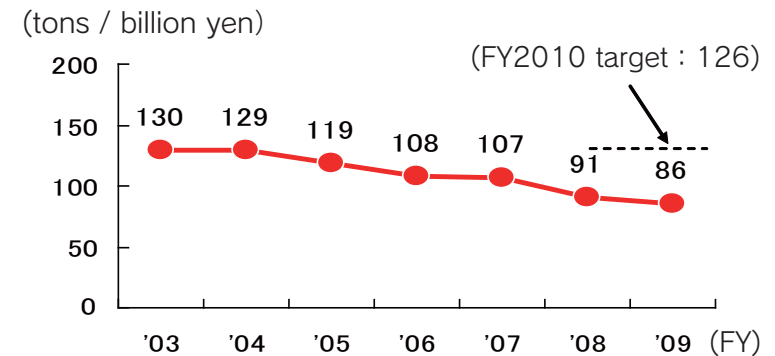


Metals: 112,000 tons
Resins: 1,300 tons
Oils and fats: 2,100 tons

※Achieved zero landfill waste in FY2001

Emissions Volume Per Sales Unit of Externally Disposed Waste

[FY2010 target: Less than 126 tons/billion yen]
(3% decrease compared to FY2003)



“Reduced Use of Packing Material Volume” and
“Reduced Water Consumption Volume”