



JARA NEWS

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Make 2019 the year for chance!



Sosho Kitajima

New Year's message from JARA Corporation President Sosho Kitajima

2018 marked the fifth year since the former SPN Corporation merged with Ecoline Corporation (a Toyota Tsusho Corporation Group company) to form JARA Corporation. 2018 also marked the first year of the five-year corporate plan.

Five years went by quickly, but we saw a greater than expected synergistic effect of the merger for the period. I believe our success was achieved because of the great support from SPN, Ecoline, and Toyota Tsusho team members.

Last year, we achieved many goals, such as an increase in membership, the expansion of transaction amounts through our trade system, and system improvements. It has been delightful to welcome new team members. We were also pleased to see a year-on-year increase in accepted end-of-life-vehicles (ELVs), and we will make it our aim to increase such numbers further.

As for 2019, we have multiple endeavors underway. Building a joint recycling system of ELVs with Toyota Tsusho will be the first goal. The second goal is to improve our two systems (ATRS and SPL) and develop a system compatible with the Internet of Things (IoT). Third, we will promote standardization of quality for recycled parts in our system.

To achieve our technological capabilities (with the cooperation of the training center of an insurance company), we will promote standardization of curricula and contents of technical seminars and workshops. In addition, we will actively incorporate analyses and marketing strategies using big data and expand the system coverage for heavy-duty vehicles. We will proceed with our operations by working closely with Toyota Tsusho Group companies, including Toyotsu Recycle Corporation.

This year is the dawn of a new period. We are looking forward to developing projects jointly

with JARA member companies. (*Daily Automotive News, Jan. 10 issue*)

METI to help MaaS diffusion

The Ministry of Economy, Trade and Industry (METI) is gearing up its initiative toward the diffusion of "Mobility as a Service (MaaS)", which provides a new service by utilizing the technologies of the Internet of Things (IoT) and artificial intelligence (AI). The ministry is planning to collect and share information on cases conducted by local governments and private companies, as well as host promotional events for future collaborations. The ministry also plans to discuss a possible fusion of MaaS and autonomous vehicle driving, involving experts in both fields.

METI will host various events during February 2019—which has been dubbed the "Smart Mobility Promotional Month"—to advocate the widespread use of MaaS. On February 15, the Regional Meeting for Mobility Service will be held in Tokyo, at which representatives from local governments and companies as well as government officials will do presentations concerning their ongoing efforts. They also exchange opinions and information with the participants. On every Thursday evening in February, the Venture Cafe Tokyo Mobility Pitch will be hosted by the ministry, targeting start-ups in this new business area. At this event, presentations and results will be shared by ride share operators, parking reservation service providers, and cloud-based taxi call operators.

The ministry plans to compile a list of the latest trends in these new businesses as well as requests from the event participants. In March, the ministry will host a Study Group on the New Mobility Service driven by IoT and AI. This

CO₂ Reduction Effect

(based on JARA System)

The use of Reuse Parts saved
2,801 tons of CO₂ emissions
in December 2018

The reference figure represents the difference of carbon dioxide (CO₂) emissions at the vehicle repair using genuine (new) parts and recycled parts.*

*: Based on "Green Point System", which was jointly developed by the Japan Automotive Parts Recyclers Association and Waseda University Environmental Research Institute using a life cycle assessment (LCA) technique.

meeting promises to be a step toward talks on establishing action plans for the 2019 fiscal year. The study group will also arrange an expert meeting on the fusion between MaaS and level-4 autonomous driving, in which they will discuss the regulations. (*Daily Automotive News, Jan. 22 issue*)

Ford and Volkswagen form global partnership

On January 15, the US Ford Motor Company (Ford) and German Volkswagen AG (VW) announced that they have signed a comprehensive global agreement.

According to this agreement, Ford will supply its pickup truck to VW, while VW will supply its urban-type van to Ford on an Original Equipment Manufacturer (OEM) basis. These OEM models are slated for market launch in 2022. The two automakers are also considering a partnership for the joint development of autonomous driving, electric vehicles and mobility services.

Ford CEO Jim Hackett and VW CEO Herbert Diess unveiled their global alliance during a telephone conference that was previewed during the North American International Auto Show (NAIAS) held in Detroit. In June 2018, Ford and Volkswagen signed an memorandum of understanding (MOU) concerning a comprehensive partnership.

The joint projects will be overseen by a committee headed up by the above-mentioned two leaders. The deal, however, is not a merger, and the two companies will not own any shares in their partner companies. Sales from this partnership will start boosting profits from 2023.

In 2018, the combined sales of Ford and Volkswagen commercial vehicles surpassed 1.2 million units, making it the world's largest partnership in the commercial vehicle field. (*Daily Automotive News, Jan. 17 issue*)



Ford CEO Jim Hackett (left) and VW CEO Herbert Diess, pictured in front of the Ford booth at NAIAS on January 14.



Students' dreams come true

Nihon Automobile College exhibits customized cars using recycled parts at Tokyo Auto Salon

Nihon Automobile College (NATS) exhibited 10 customized cars featuring recycled parts at the Tokyo Auto Salon 2019, Asia's largest customized car show. The event, was held in

Makuhari Messe, Chiba Prefecture, January 11-13.

NATS places its customized cars in Tokyo Auto Salon halls every year. Many NATS cars have received awards at the for Tokyo International Customized Car Contest held during the event. Most NATS cars feature recycled auto parts.

This year, 10 NATS customized cars were on display. NATS FTO ver. RCS used the most recycled parts. NATZ engineers converted a Mitsubishi FTO (front-engine layout, front-wheel drive with automatic transmission) base model into a car fitted with a four-wheel drive system, V6 engine, and manual transmission, which are used in the Mitsubishi Galant. Major recycled parts used in the customized car included a drive shaft, which was taken from the Lancer Evolution IV; the steering knuckle from the Lancer Evolution VI; and lower arms from the Lancer Evolution VI and V. Moreover, the fuel tank, which was placed in the trunk of the

customized car, was originally taken from a Lancer Evolution X racecar model. NATS students successfully showed that recycled parts can be used in other parts of conventional repair areas.

Finished work for the customized car, such as an over fender adjustment associated with tread expansion, was also performed by NATS engineers (college students). A team leader from the NATS Customizing Department, Takashi Nishijima (a third-year college student) said with a smile, "I've wanted to make an FTO with four-wheel drive for a long time." He made his dream come true.

For customized cars that were once exhibited in the Tokyo Auto Salon, the college's Customizing Department obtained a license to engage in public road testing for safety and roadworthiness. Therefore, students can drive their cars in the test caravan program while enjoying a graduation trip. (*Daily Automotive News, Jan. 17 issue*)



426 exhibitors participated in the 37th Tokyo Auto Salon

Tokyo Auto Salon 2019 opens

The Tokyo Auto Salon 2019 was held on January 11 in the Makuhari Messe halls, Chiba Prefecture. The event originally started in 1980s as a "customized car festival," attracting mostly car enthusiasts. Most exhibitors were car tuners or parts manufacturers in the aftermarket.

Recently, it wined its scope to include the youth and families. Additionally, automakers are also increasingly using this consumer-oriented event to introduce their new models and concept

cars directly to the driving public.

This year, a total of 426 exhibitors participated in the 37th Tokyo Auto Salon. This number included both automakers and customizing parts manufacturers. The customized cars and concept cars on display totaled 906 units, the largest ever display at the event. Press briefings were held by six automakers during the 3-day event.

Toyota Motor Corporation unveiled its Mark X GRMN, a limited edition model in the GR sports car series. Daihatsu Motor Co., Ltd.--a Toyota subsidiary--also previewed its Copen GR Sports Concept, which was developed based on the Daihatsu Copen, an open-top mini sports car. Shigeki Tomoyama, Toyota's Vice President, said: "We are planning to introduce the Copen GR in the market so that many drivers can enjoy GR."

Toyota Group plans to expand the GR lineup even more in the future. Toyota also showcased a racecar version of the new Supra. The new Supra will be introduced in Detroit on January 14.

Nissan Motor Co. and its subsidiary Autec Japan Inc. released its Nissan X-Trail Autec Edition on January 11. "We confirmed that even for SUVs, consumer trends exist towards luxurious interior design and high quality materials during the previous Tokyo Auto Salon," Autec said.



Toyota Group showcased the new Daihatsu Copen GR, etc.

Mazda Motor Corporation displayed its new Mazda3 (North American specifications) for the first time in Japan, while Mitsubishi Motors Corporation showcased its Delica D:5 Clean Diesel Model, which is expected to undergo a fully redesign in the near future. Daihatsu also presented its Copen Coupe to visitors. The company decided to sell the model at a limited production volume of 200 units, because it gained a good reputation from visitors at the 2016 Tokyo Auto Salon. The limited model is slated for production in April 2019.

SUBARU Corporation displayed its Forester Advance Sports Concept and its Impreza STI Sports Concept, which were developed jointly with SUBARU Technical International (STI) Co. (*Daily Automotive News, Jan. 12 issue*)



Nissan displayed their new X-Trail Autec (right) and LEAF Autec Concept



A talk session with chief engineer of Mazda3 was provided



Mitsubishi's facelifted Delica D:5 was also on display



Dismantling process flow chart

How the Car Dismantling machine works



The Evolution of car dismantling industry by Kobelco

Four times* the vehicle dismantling capability compared with hand dismantling.

*In one day (Kobelco test figures)

15 vehicles >
One operative working by hand.

60 vehicles >
One operative in a Kobelco Car Dismantling machine.

Engine, Catalytic Agents, Body Steel, Seats, Windows, Wheels/Tyres, Suspension, Radiator, Brakes, Front & Rear Bumpers, Transmission, Doors, Harnesses

The machine's special attachment is designed to strip materials from End-of-Life Vehicles (ELV) safely and thoroughly

Improved recovery rate of rare earth metals

Fe Iron	Al Aluminum	Cu Copper	Pt Platinum	Pd Palladium
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Separation of these valuable materials is quicker and easier and can be performed with one Kobelco machine.



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