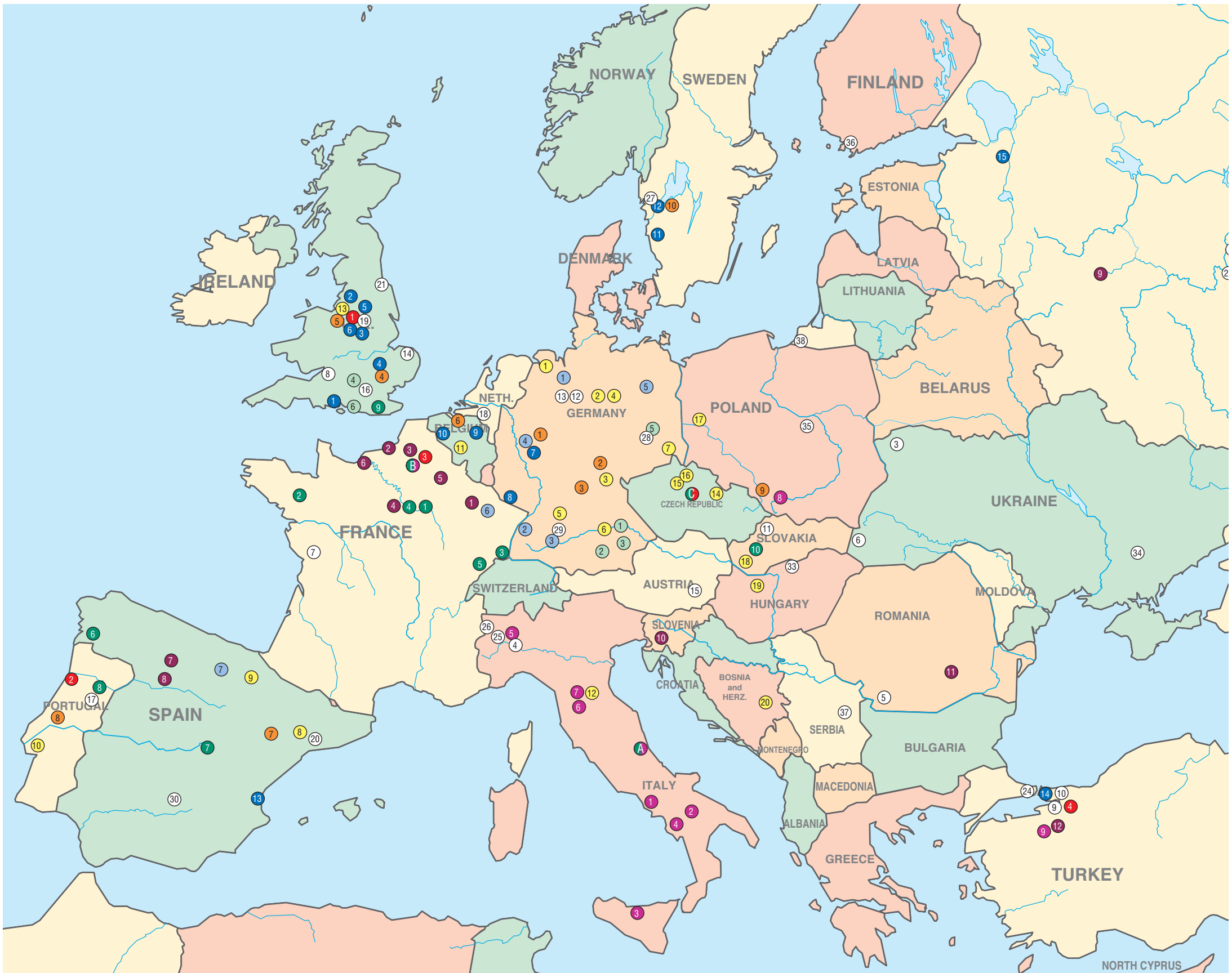


Guide to vehicle assembly



BMW GROUP (See also 4 15 38)

- 1 Regensburg, Germany – BMW 1 and 3 series
- 2 Munich, Germany – BMW 3 series
- 3 Dingolfing, Germany – BMW 5, 6 and 7 series
- 4 Oxford, UK – Mini, Mini cabriolet
- 5 Leipzig, Germany – BMW 3 series
- 6 Goodwood, UK – Rolls-Royce Phantom

DAIMLERCHRYSLER (See also 12 15 16 18)

- 1 Bremen, Germany – Mercedes C-class sedan and station wagon, CLK convertible, CLK coupe, SL roadster, SLK roadster
- 2 Rastatt, Germany – Mercedes A class, B class
- 3 Sindelfingen, Germany – Mercedes C-class sedan and sport coupe, E-class sedan and station wagon, CL coupe, CLS class, S class; Maybach
- 4 Düsseldorf, Germany – Mercedes Sprinter; Volkswagen LT (2006)
- 5 Ludwigsfelde, Germany – Mercedes Sprinter (2006), Vario; Volkswagen LT (2006)
- 6 Hambach, France – Smart ForTwo
- 7 Vitoria, Spain – Mercedes Vito, Viano

FIAT GROUP (See also 25 33 37)

- 1 Cassino, Italy – Fiat Croma, Stilo, Stilo Multi Wagon
- 2 Melfi, Italy – Fiat Grande Punto
- 3 Termini Imerese, Italy – Lancia Ypsilon
- 4 Pomigliano d'Arco, Italy – Alfa Romeo 147, 156 Sportwagon, 159, 159 Sportwagon (spring 2006), GT
- 5 Mirafiori, Italy – Fiat Idea, Multipla, Punto, Grande Punto (Q1 2006); Alfa Romeo 166; Lancia Musa, Thesis
- 6 Maranello, Italy – Ferrari 575M, 612 Scaglietti, F430, Maranello
- 7 Modena, Italy – Maserati Coupe, Quattroporte, Spyder
- 8 Tychy, Poland – Fiat Panda, next Seicento (2008); next Ford Ka (2008)
- 9 Bursa, Turkey (Tofas: Fiat 41%, Koc Holding 41%, public 18%) – Fiat Albea, Doblo, Marea, Palio
- A San Benedetto Val di Sangro, Italy (Sevelsud: Fiat 50%, PSA 50%) – Fiat Ducato; Citroen Jumper; Peugeot Boxer
- B Lieu Saint-Amand, France (Sevelnord: Fiat 50%, PSA 50%) – Citroen C8, Jumpy; Peugeot 807, Expert; Lancia Phedra; Fiat Scudo, Ulysse

FORD (See also 8 10 26)

- 1 Southampton, UK – Ford Transit
- 2 Halewood, UK – Jaguar X-Type sedan and station wagon

- 3 Gaydon, UK – Aston Martin DB9 coupe and Volante, V8 Vantage
- 4 Newport Pagnell, UK – Aston Martin V12 Vanquish
- 5 Castle Bromwich, UK – Jaguar S-Type, XJ, XK, Daimler Super Eight
- 6 Solihull, UK – Land Rover Defender, Discovery 3, Freelander (moves to Halewood Q4 2006), Range Rover, Range Rover Sport
- 7 Cologne, Germany – Ford Fiesta, Fusion
- 8 Saarlouis, Germany – Ford Focus, Focus C-Max
- 9 Genk, Belgium – Ford Mondeo, Galaxy and car based on SAV concept (Q1 2006)
- 10 Ghent, Belgium – Volvo S40, S60, V50, V70
- 11 Gothenburg, Sweden – Volvo S80, V70, XC70, XC90
- 12 Uddevalla, Sweden (Pininfarina Sverige: Pininfarina 60%, Volvo Car 40%) – Volvo C70
- 13 Valencia, Spain – Ford Fiesta, Focus, Ka, Mazda2
- 14 Kocaeli, Turkey (Ford Otosan: Ford 41%, Koc Holding 41%, public 18%) – Ford Transit, Transit Connect
- 15 St. Petersburg, Russia – Ford Focus

GENERAL MOTORS (See also 1 2 7 15 34 38)

- 1 Bochum, Germany – Opel/Vauxhall Astra, Zafira
- 2 Eisenach, Germany – Opel/Vauxhall Corsa
- 3 Rüsselsheim, Germany – Opel/Vauxhall Vectra
- 4 Luton, UK – Opel/Vauxhall Vivaro; Renault Trafic II; Nissan Primastar
- 5 Ellesmere Port, UK – Opel/Vauxhall Astra
- 6 Antwerp, Belgium – Opel/Vauxhall Astra
- 7 Zaragoza, Spain – Opel/Vauxhall Corsa, Meriva
- 8 Azambuja, Portugal – Opel/Vauxhall Combo
- 9 Gliwice, Poland – Opel/Vauxhall Agila, Astra; Suzuki Wagon R+
- 10 Trollhättan, Sweden – Saab 9-3, 9-5

PSA/PEUGEOT-CITROEN

- 1 Aulnay-sous-Bois, France – Citroen C2, C3
- 2 Rennes-la-Jannais, France – Citroen C5, C6; Peugeot 407, 407 station wagon, coupe
- 3 Mulhouse, France – Peugeot 206, 206 CC, 307; Citroen C4, C4 coupe
- 4 Poissy, France – Peugeot 206, 1007
- 5 Sochaux, France – Peugeot 307, 307 station wagon, 307 CC, 607
- 6 Vigo, Spain – Citroen Berlingo, C15, Xsara Picasso; Peugeot Partner
- 7 Madrid-Villaverde, Spain – Citroen C3, C3 Pluriel, Xsara station wagon; Peugeot 2007 (mid-2006)
- 8 Mangualde, Portugal – Citroen Berlingo; Peugeot Partner

- 9 Ryton, UK – Peugeot 206 hatchback, station wagon, GTI, RC
- 10 Trnava, Slovakia – Platform 1 cars such as the Peugeot 1007, 207 and Citroen C2 and C3 (opens mid-2006)
- A San Benedetto Val di Sangro, Italy (Sevelsud: Fiat 50%, PSA 50%) – Fiat Ducato; Citroen Jumper; Peugeot Boxer
- B Lieu Saint-Amand, France (Sevelnord: Fiat 50%, PSA 50%) – Citroen C8, Jumpy; Peugeot 807, Expert; Lancia Phedra; Fiat Scudo, Ulysse
- C Kolin, Czech Republic (Toyota Peugeot Citroen Automobile: Toyota 50%, PSA 50%) – Citroen C1; Peugeot 107; Toyota Aygo

RENAULT (See also 4 20)

- 1 Batilly, France – Mascott, Master II; Opel/Vauxhall Movano
- 2 Dieppe, France – Renault Clio III Sport, Megane II
- 3 Douai, France – Renault Megane II, Megane II CC, Scenic/Grand Scenic
- 4 Flins, France – Renault Clio III, Twingo
- 5 Maubeuge, France – Renault Kangoo
- 6 Sandouville, France – Renault Laguna II Sport Tourer and hatchback, Espace IV, Vel Satis
- 7 Palencia, Spain – Renault Megane II
- 8 Valladolid, Spain – Renault Modus
- 9 Moscow, Russia – Avtoframos (Renault 76%, Moscow city council 24%) – Logan
- 10 Novo Mesto, Slovenia – Renault Clio II
- 11 Pitesti, Romania – Dacia 1300 range, Logan
- 12 Bursa, Turkey (Oyak-Renault: Renault 51%, Oyak 49%) – Renault Clio III, Megane II

VOLKSWAGEN (See also 6 13)

- 1 Emden, Germany – VW Passat sedan, station wagon
- 2 Hanover, Germany – VW California, LT, Multivan, Transporter
- 3 Mosel, Germany – VW new Golf, Passat sedan; Bentley (bodies only)
- 4 Wolfsburg, Germany – VW Golf Plus, new Golf, old Golf station wagon, Bora sedan and station wagon, Touran, Passat
- 5 Neckarsulm, Germany – Audi A2, Audi A6, A6 station wagon, A8, allroad quattro, R8 (Q4 2006); Lamborghini Gallardo (chassis)
- 6 Ingolstadt, Germany – Audi A3, A3 Sportback, A4, A4 station wagon, TT (chassis)
- 7 Dresden, Germany – VW Phaeton; Bentley Continental Flying Spur (overflow assembly only)
- 8 Martorell, Spain – Seat Altea, Cordoba, Ibiza, Leon, Toledo
- 9 Pamplona, Spain – VW Polo
- 10 Setubal, Portugal – VW Sharan; Seat Alhambra; Ford Galaxy (ends December 2005), Eos (April 2006)

Assembly plants in Europe



Automotive News Europe

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Central Europe is focus of production changes

JESSE SNYDER

AUTOMOTIVE NEWS EUROPE

The differences in the automaking fortunes of Europe's West and East rarely have been as sharp as this year.

Auto production is booming in central and eastern Europe. Massive new plants are opening in the Czech Republic and Slovakia. Others are either under construction (Slovakia) or planned (Czech Republic). Still more factories are expanding capacity and adding shifts in places such as Poland, Romania, Hungary, Slovakia, the Czech Republic, Slovenia and the Ukraine.

In western Europe, assembly plants are laying off production workers and reducing capacity. Automakers are assigning the next generations of some cars now built in the West to eastern European plants. In 2005 in the UK, both the Jaguar Coventry and MG Rover Longbridge plants closed.

Between 1999 and the end of 2003, western European automakers reduced net employment by 59,175 or 5.6 percent of their combined 1.12 million worker, according to ACEA, the European automakers association. Since then, automakers have laid off or announced plans to cut another 42,000 jobs in western Europe.

A developing cluster

Planned, new and expanded assembly plants in the Czech Republic, Slovakia, Hungary and Poland "have created a central European cluster" of 13 to 15 plants, said Nigel Griffiths, director of automotive research for consultancy Global Insight in London.

"But only one plant has opened, so we haven't seen the real impact of that so far," he said. "It will have a major impact because the vast majority of the new capacity is for western European markets."

Virtually all of the changes in European manufacturing so far this decade have been reductions in western Europe and increases in central Europe, according to the PricewaterhouseCoopers Automotive

Moving east

Closings and openings, 2001-2009

Closings

Fiat, Rivalta, Italy (2001)
Ford, Dagenham, UK (2002)
GM, Luton, UK (2002)
Matra, Romorantin, France (2003)
MG Rover, Longbridge, UK (2005)
Jaguar, Coventry, UK (2005)
PSA, Ryton, UK (projected 2007)
GM, Azambuja, Portugal (projected 2007)

Openings

Toyota, Valenciennes, France (2001)
D/C, Ludwigsfelde, Germany (2001)
VW, Dresden, Germany (2001)
Porsche, Leipzig, Germany (2002)
BMW, Leipzig, Germany (2005)
Toyota/PSA, Kolin, Czech Rep. (2005)
PSA, Trnava, Slovakia (2006)
Kia, Zilina, Slovakia (2006)
Hyundai, Ostrava, Czech Rep. (2008)

Units lost: 1.4 million

Units gained: 1.6 million

Source: PwC Automotive Institute

Institute (formerly called Autofacts). The company said between 2001 and 2009, eight western European plants have or are projected to close, eliminating 1.4 million units of annual capacity. (See table)

In the same period, eight of the nine plants opening – totaling 1.6 million units – are in central Europe or the eastern portion of Germany.

Moving to central European markets is both a short-term cost-cutting move and a mid-term marketing strategy to meet growing demand there, said Christopher Benko, global director of the PwC Automotive Institute.

This spring, the Toyota Peugeot Citroen Automobile joint venture in Kolin, Czech Republic, opened. It builds a trio of small cars: the Toyota Aygo, Peugeot 107 and Citroen C1. The plant expects to reach full production of 300,000 units a year by next spring.

Two other large plants are due to open next year in Slovakia: the PSA/Peugeot-Citroen factory in Trnava and Kia's plant in Zilina.

Booming Slovakia

Combined with Volkswagen's growing production complex in Bratislava, the Kia and PSA plants could push tiny Slovakia's annual capacity to 900,000 by 2009. Kia's parent Hyundai is in the final phase of selecting a site for a 300,000-unit Czech assembly plant.

Other automakers plan to expand existing capacity in the region. Suzuki is adding capacity in Esztergom, Hungary, for a new SUV it will build for itself and for Fiat and Lancia. Fiat will need new capacity at its plant in Tychy, Poland, by 2008 to build a minicar for itself and Ford.

Toyota is greatly expanding manufacturing in Europe. Besides its share of the new Czech plant, Toyota has added capacity in the UK and Turkey and plans to open a plant in St. Petersburg, Russia, by 2007.

Korean automaker Hyundai and affiliate Kia are becoming a force in the East. Each plans a central European plant. Kia has started kit production of older models at the Izh-Avto plant in central Russia.

"And we expect Hyundai will expand in Turkey," analyst Griffiths said.

Whether the move eastward will continue is unclear, Griffiths said.

"Phase one was moving light commercial vehicles to Turkey. Phase two was moving minicars to the East – and making the next Ford Ka in Fiat's Poland plant is the last stage of that," he said. "The question is whether there is a phase three. Will we have stability or is there more?" **ANE**

- 11 Brussels, Belgium – Audi A3; VW new Golf, Lupo
- 12 Sant'Agata Bolognese, Italy – Lamborghini Gallardo, Murcielago
- 13 Crewe, UK – Bentley Arnage R, Arnage RL, Azure (spring 2006), Continental Flying Spur, Arnage T, Continental GT, Continental GTC convertible (late 2006)
- 14 Kvasiny, Czech Republic – Skoda Fabia sedan, Superb
- 15 Mlada Boleslav, Czech Republic – Skoda Fabia, new Octavia
- 16 Vrchlabi, Czech Republic – Skoda old Octavia
- 17 Poznan, Poland – VW Caddy, Transporter
- 18 Bratislava, Slovakia – VW old Golf station wagon 4motion, Polo, Touareg; Porsche Cayenne; Audi Q7
- 19 Gyor, Hungary – Audi TT coupe, roadster
- 20 Sarajevo, Bosnia (CKD production) – Skoda Fabia, Octavia; Audi A4, A6; VW new Golf, Passat, Polo

TOYOTA

- 1 Burnaston, UK – Toyota Avensis sedan, Corolla hatchback
- 2 Ovar, Portugal – (Salvador Caetano IMVT: Caetano family 73%, Toyota 27%) Toyota Dyna, Optimo
- 3 Valenciennes, France – Toyota Yaris
- 4 Adapazari, Turkey – Toyota Corolla sedan and station wagon, Corolla Verso
- 5 Kolin, Czech Republic – (Toyota Peugeot Citroen Automobile: Toyota 50%, PSA 50%) – Toyota Aygo; Citroen C1; Peugeot 107

OTHERS

AVTOGAZ

- 1 Nizhny Novgorod, Russia – GAZ light trucks, Volga cars

AVTOVAZ (See also 32)

- 2 Togliatti, Samara, Russia – VAZ Lada cars, Samara cars; Chevrolet Niva
- 3 Lutsk, Ukraine (LuAZ) – (CKD production)* Lada Niva, 110, 2104, 2107

BERTONE

- 4 Grugliasco, Italy – Opel/Vauxhall Astra convertible and coupe (ends December 2005), Mini special edition (2006)

DAEWOO ROMANIA

- 5 Craiova, Romania – Daewoo Matiz (ends January 2006); (CKD production)* Daewoo Cielo, Nubira, and Tacuma

EVROCAR

- 6 Solomonovo, Ukraine – (CKD production)* Skoda Octavia sedan and station wagon, Fabia, Superb; VW Golf, Passat

HEULIEZ

- 7 Cerizay, France – Opel Tigra TwinTop

HONDA

- 8 Swindon, UK – Honda Civic 3, 5 door, CR-V
- 9 Gebze, Turkey – Honda Civic 4-door

HYUNDAI-KIA (See also 31 38)

- 10 Izmit Alikhya, Turkey – Hyundai Accent H-100 van
- 11 Zilina, Slovakia – Kia small car code-named ED (late 2006)

KARMANN

- 12 Osnabrück, Germany – Chrysler Crossfire convertible and coupe, Mercedes CLK convertible
- 13 Rheine, Germany – Audi A4 convertible

LOTUS

- 14 Norwich, UK – Lotus Elise, Exige

MAGNA STEYR

- 15 Graz, Austria – BMW X3; Chrysler 300C, 300C Touring, Voyager/Grand Voyager; Jeep Commander (Q1 2006), Grand Cherokee; Mercedes G class, E class 4Matic (production moves to Sindelfingen, Germany, 2007); Saab 9-3 convertible

MCLAREN

- 16 Woking, UK – (40% owned by DaimlerChrysler) – Mercedes SLR McLaren

MINISUBISHI (See also 26)

- 17 Tramagal, Portugal – Mitsubishi Canter
- 18 Born, Netherlands (NedCar – 100% Mitsubishi) – Mitsubishi Colt, Smart ForFour

NANJING

- 19 Longbridge, UK – (MG Rover collapsed April 2005. Nanjing bought assets, is scheduled to build MG ZT and TF starting in late 2006)

NISSAN (See also 4)

- 20 Barcelona, Spain – Nissan Almera Tino, Navara, Pathfinder, Primastar, Terrano 3-door; Opel Vivaro; Renault Trafic II
- 21 Sunderland, UK – Nissan Almera, Micra, Micra C+C, Primera, Tone (January 2006), Qashqai-based crossover (late 2006)

OAO SEVERSTAL

- 22 Ulianovsk, Russia – (UAZ) UAZ 2360, van, Hunter, Patriot
- 23 Naberezhnye Chelny, Russia (ZMA), Lada Oka

OTOKAR

- 24 Arifiye, Turkey – Land Rover Defender 110, 130 (civilian), minibuses, midibuses, military vehicles

PININFARINA

- 25 San Giorgio Canavese, Italy – Alfa Romeo Brera coupe, Brera Spider (spring 2006)
- 26 Bairo Canavese, Italy – Mitsubishi Colt convertible (Q1 2006); Ford Focus (mid-2006), StreetKa
- 27 Uddevalla, Sweden (Pininfarina Sverige AB: Pininfarina 60%, Volvo Car 40%) – Volvo C70 convertible

PORSCHE (See also 18 36)

- 28 Leipzig, Germany – Porsche Cayenne, Carrera GT
- 29 Stuttgart-Zuffenhausen, Germany – Porsche Boxster, 911, Cayman

SANTANA

- 30 Linares, Spain – Suzuki Jimny; Santana Anibal, 300 and 350

SOK GROUP

- 31 Izhevsk, Russia – (Izh-Avto) (CKD production)* Kia old Spectra
- 32 Syzran, Russia – (ZAO Roslada) – (SKD production)* Lada 2104, 2107

SUZUKI (See also 9 30)

- 33 Esztergom, Hungary – Suzuki Ignis, Swift; Subaru Justy; Suzuki/Lancia/Fiat SUV/crossover (2006)

UKRAVTO

- 34 AvtoZAZ: Zaporozhye, Ukraine – Tavria Nova, pickups; Salvuta; Sens; Lanos T-150; Opel Astra Classic; Chevrolet Aveo, Lacetti.
- 35 FSO: Warsaw, Poland – FSO Daewoo old Lanos, old Matiz

VALMET AUTOMOTIVE

- 36 Uusikaupunki-Nystand, Finland – Porsche Boxster, Cayman

ZASTAVA

- 37 Kragujevac, Serbia – (CKD production)* Fiat Punto (Q1 2007)

ZAO AVTOTOR

- 38 Kaliningrad, Russia – (SKD production)* BMW 3 and 5 series; Hummer H2; Cadillac CTS, STS, SRX; Kia (CKD production)* old Sportage, old Magentis, old Carnival (Kia production ends 2006)

* CKD is complete knockdown; SKD is semiknockdown production
 Source: Automotive News Europe