IP55 BRITISH GRAND PRIX WINNER MERCEDES-BENZ W 195 P



Pack 05

BUILD INSTRUCTIONS

STAGE 14: FITTING THE FRONT LEFT TYRE (REGULAR)

STAGE 14B: FITTING THE FRONT LEFT TYRE (EASY)

STAGE 15: CONNECTING THE SPARK PLUGS, THE FUEL LINES AND THE OIL HOSES

STAGE 16: CONNECTING THE FUEL PUMP LINE AND THE EXPANSION TANK

STAGE 17: ATTACHING THE ENGINE COVERS STAGE 18: ADDING DETAIL TO THE FIREWALL AND CONNECTING FUEL LINES

STAGE 19: BUILDING THE LEFT CHASSIS SECTION

STAGE 20: ATTACHING THE REAR AXLE SUPPORT

STAGE 21: FITTING THE REAR LEFT CHASSIS SECTION

STAGE 22: FITTING THE REAR RIGHT CHASSIS SECTION STAGE 23: ATTACHING THE RIGHT CHASSIS SECTION

STAGE 24: FITTING THE FRONT SUSPENSION AND THE STEERING SUPPORT

STAGE 25: ASSEMBLING THE GEARBOX

STAGE 26: BUILDING THE REAR BRAKE DRUMS AND CONNECTING THE GEARBOX

"MERCEDES-BENZ" and (A) are the intellectual property of Mercedes-Benz Group AG. They are used by Agora Models under license.



Advice from the experts

This set of step-by-step instructions will enable you to complete the build of your 1:8-scale Mercedes-Benz W 196 R. The only tool you will need is a screwdriver. Most of the steps involve simply screwing or fitting parts together, and the correct screws needed for each step are clearly labelled on the instructional images.

Please note the following:

- The number designated by a # refers to the number given on the parts supplied in each pack.
- \cdot Where left and right elements of the same part are supplied, these are listed as (L) and (R).
- \cdot Close-up details of steps are framed in yellow.
- You will not be using every part you receive in your shipment in that build section. Keep any parts that are not used aside for use in a later sequence.
- You will receive extra screws with each shipment in case any screws are lost or broken.
- Screws with codes ending in the letter M drive into metal; those ending in the letter P drive into plastic.
- With M screws, first drive the screw in half-way. Then unscrew it to release the shavings created as the screw cuts its thread. Finally, drive the screw fully into the socket. M screws should be tightened so the head makes firm contact with the fixing surface.
- \cdot With P screws, do not over-tighten them as they can damage the socket.
- \cdot When working with the pre-finished exterior surfaces of the model, work on a soft cloth. This will protect against scratching the paintwork.
- \cdot When plugging wires in, ensure the power is switched off.
- Tweezers can be used to fit the PVC cables. In this case, grip carefully around 5mm from the end of the cable. If the end of the cable is too narrow to fit on to the pin, cautiously insert a cocktail stick, being wary not to split the cable.
- Some smaller plastic parts are attached to sprues. You can remove these by hand, or by careful use of a cutting implement such as a scalpel.
- \cdot When assembling the wheels of your model, you can choose between regular and easy assemblies. Follow our instructions carefully.
- The images in this manual may differ slightly from those supplied in your pack. These images differ in appearance only and will not affect the process of the build.

WARNINC: Some parts are assembled using magnets. These magnets can cause serious injury if they are swallowed. Keep away from children. If you suspect a magnet has been swallowed, seek medical help straight away.

Advice from the experts

When you see this symbol on one of the images in these instructions, we have provided a Top Tip to help you with your build. Check back on this page for the corresponding tip!

You can find more expert tips and advice for building the Mercedes W196R on our forum. Go to <u>https://community.agoramodels.com/forum/198-mercedes-w196r/</u>

Page 6 – C

Pipes **15A** and **15B** (plug leads) should be super-glued to the magnetos (**6A**, **6B**, **6E** and **6F**). You may need to swell the pipes with a cocktail stick to get them over the pins.

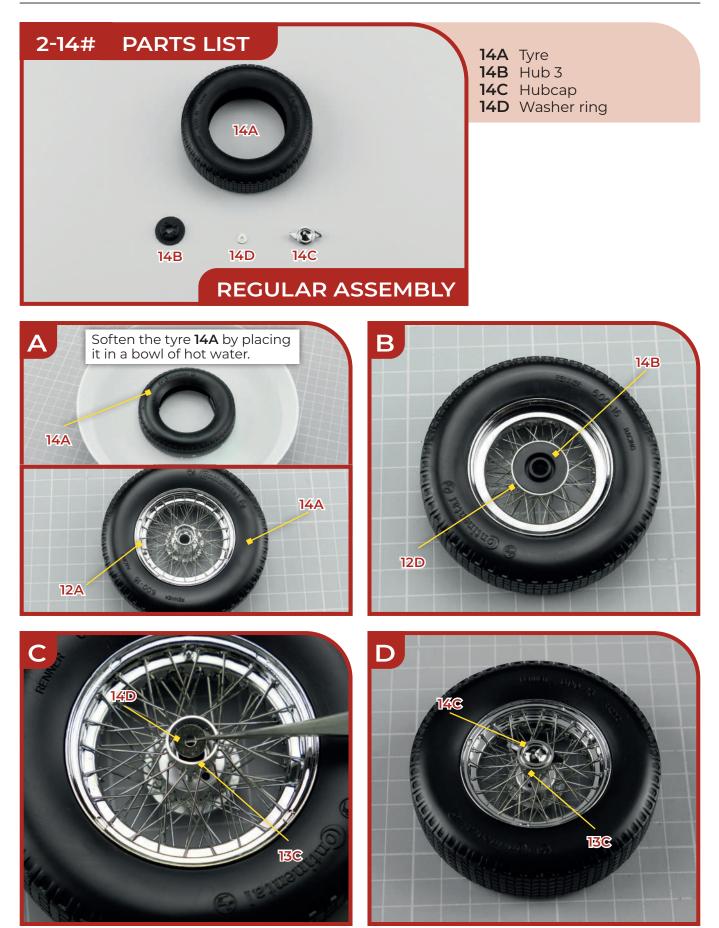
Page 6/7 – D & E

If any of the plastic tubes are too thin to fit, try soaking them in hot water and/or use super glue.

Page 8 – B

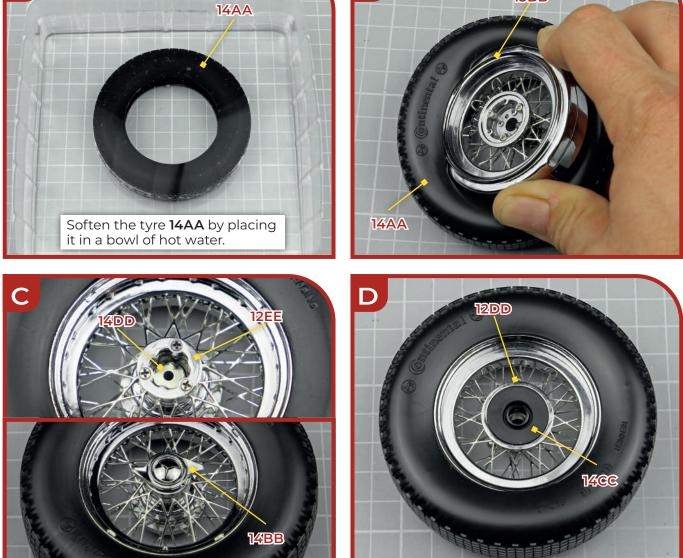
The sub-assembly **16E**, **16F**, **16G** and **16H** can be left off the engine until the engine is fitted to the chassis to avoid damaging these parts.

Stage 14: Fitting the Front Left Tyre (Regular)

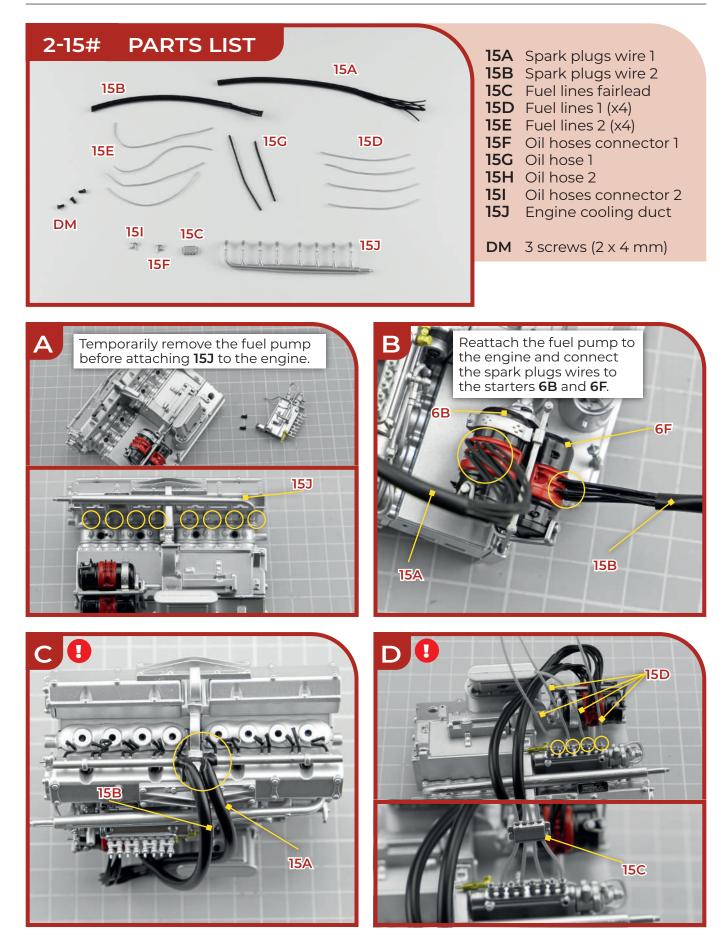


Stage 14B: Fitting the Front Left Tyre (Easy)

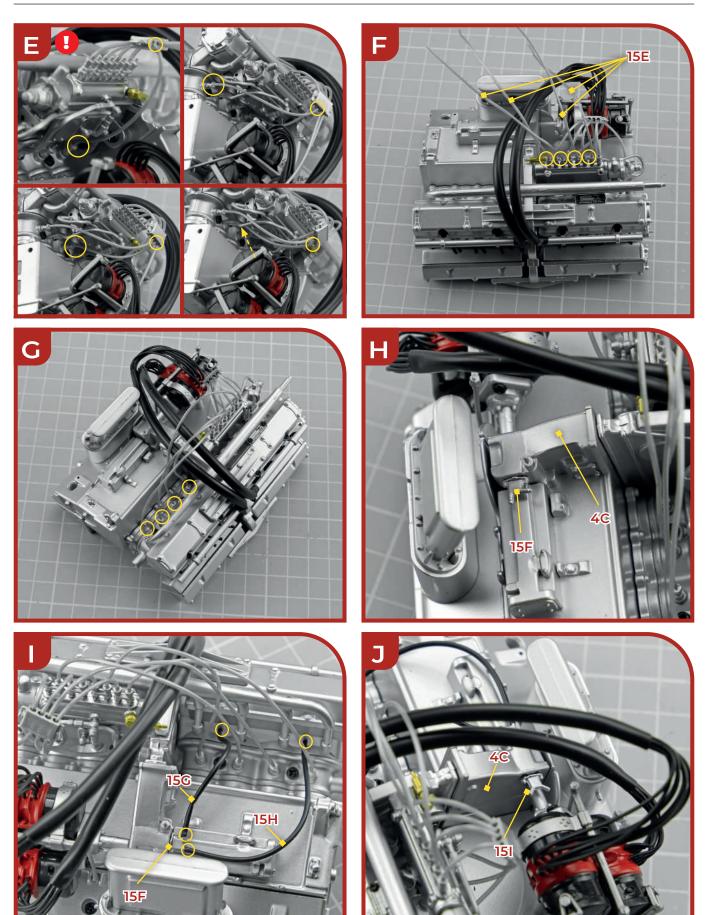




Stage 15: Connecting the Spark Plugs, the Fuel Lines and the Oil Hoses

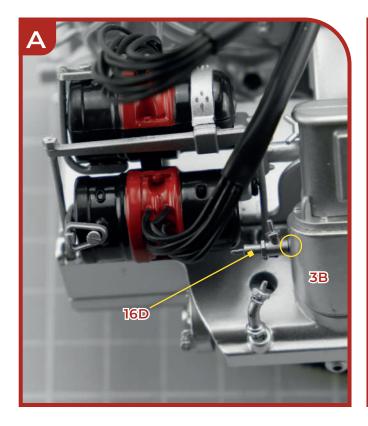


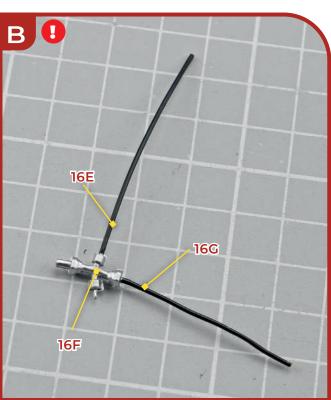
Stage 15: Connecting the Spark Plugs, the Fuel Lines and the Oil Hoses



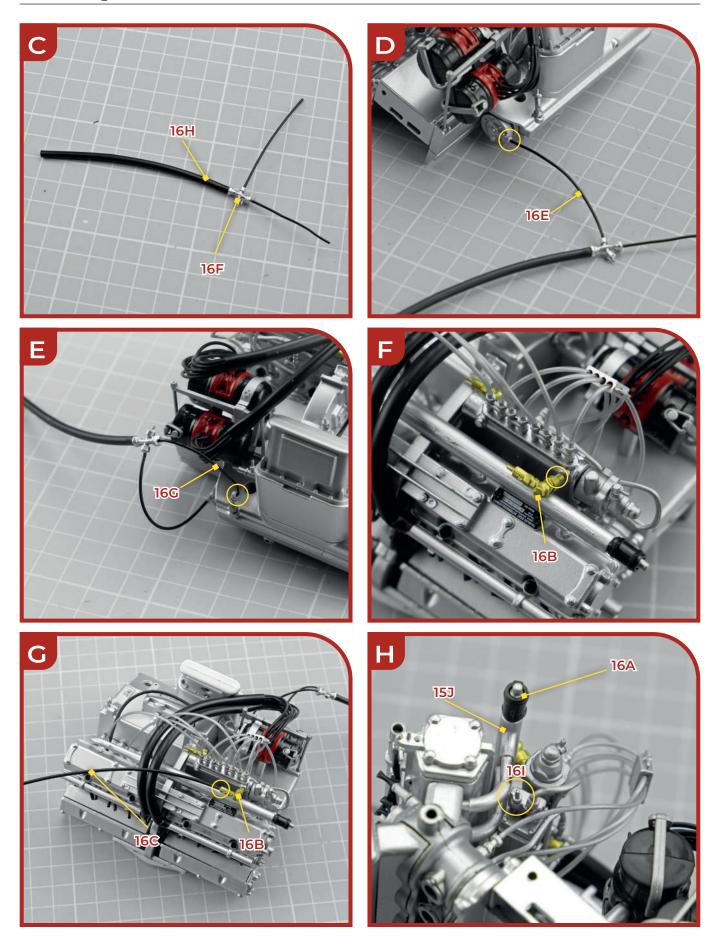
Stage 16: Connecting the Fuel Pump Line and the Expansion Tank

2-1	6# PARTS LIS	
	16H	1 6A
	16C	16B
	16G	16F 16D
		161
16A 16B 16C	Expansion tank connector Fuel pump connector Fuel pump line	 16D Oil hoses connector 3 16E Oil hose 3 16F Oil hoses connector 4 16C Oil hose 4 16H Oil hose 5 Detail

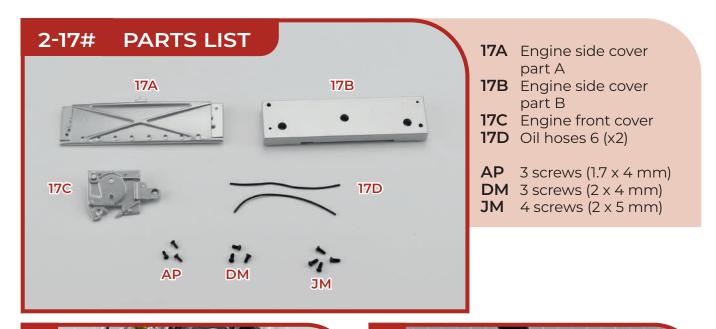


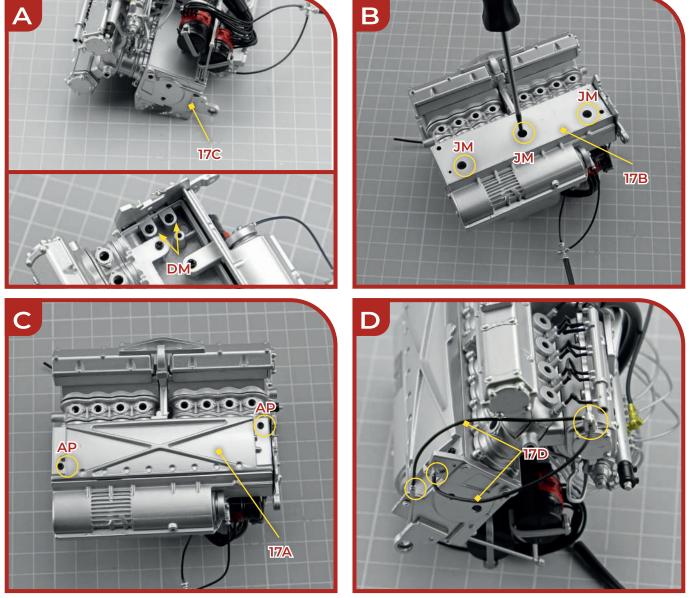


Stage 16: Connecting the Fuel Pump Line and the Expansion Tank



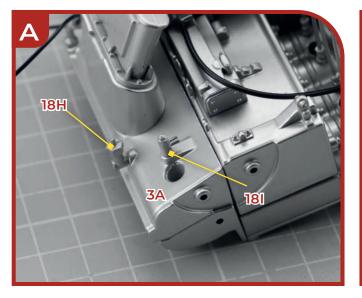
Stage 17: Attaching the Engine Covers

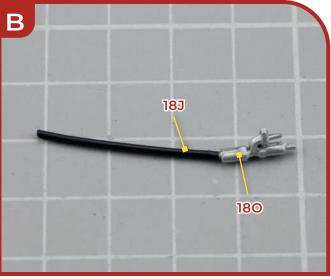




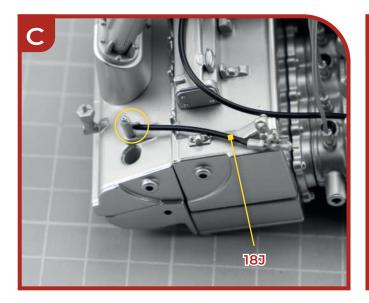
Stage 18: Adding Detail to the Firewall and Connecting Fuel Lines

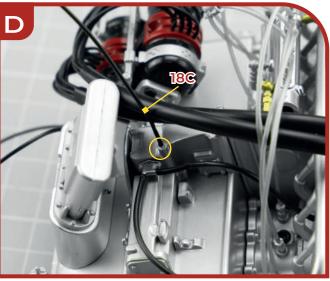
2-1	8# PARTS LIST		
	18A	18J 18G 18N 18C 18D	
	18E 18I 18B	18F 18H 18O 18M Р ССР	
18A 18B 18C 18D 18E 18F 18G 18H	Firewall Plate Oil hose 7 Starter wire Oil radiator hose Oil radiator connector Oil hose 8 Oil hoses connector 5	 18I Oil hoses connector 6 18J Oil hose 9 18K Fuel filter 18K Fuel line 3 18M Fuel lines connector 1 18N Fuel line 4 18O Oil hoses connector 7 	

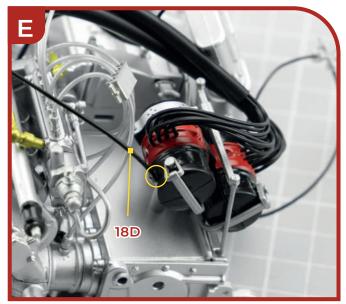


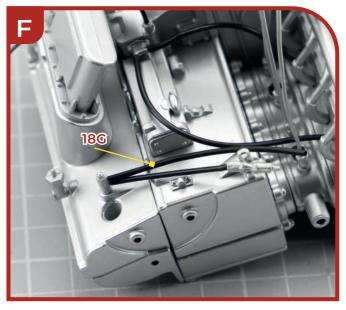


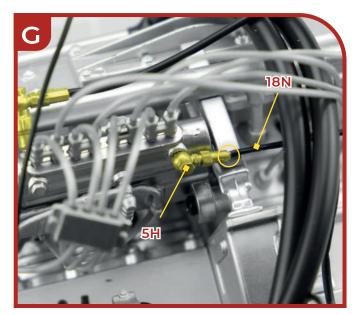
Stage 18: Adding Detail to the Firewall and Connecting Fuel Lines

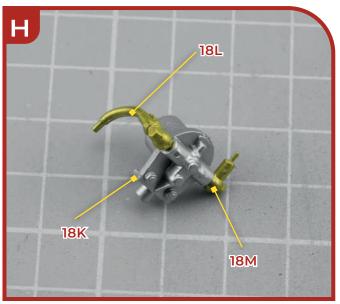




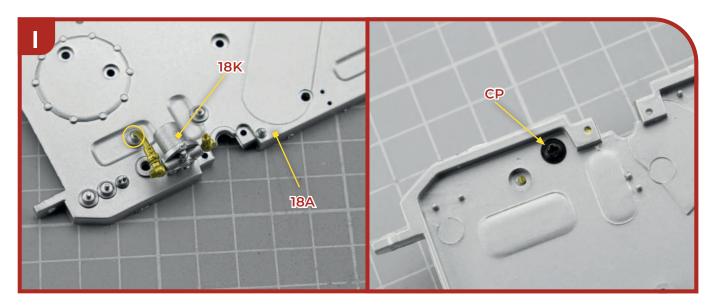


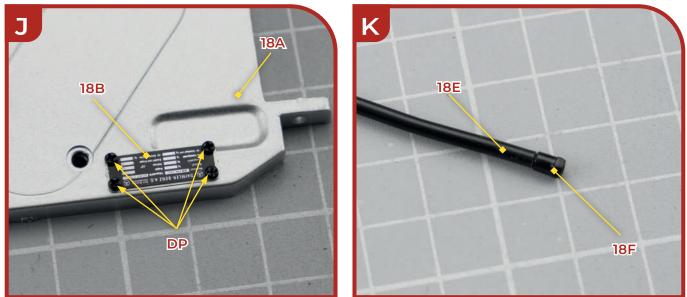


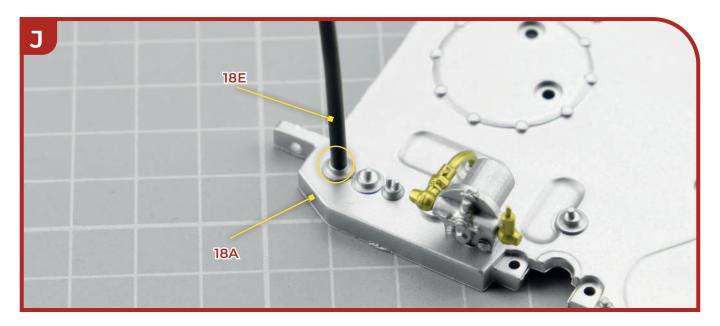




Stage 18: Adding Detail to the Firewall and Connecting Fuel Lines

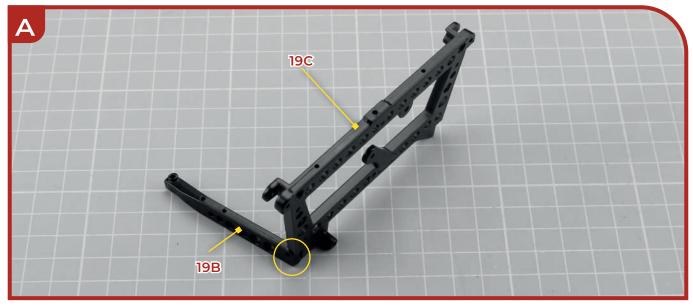


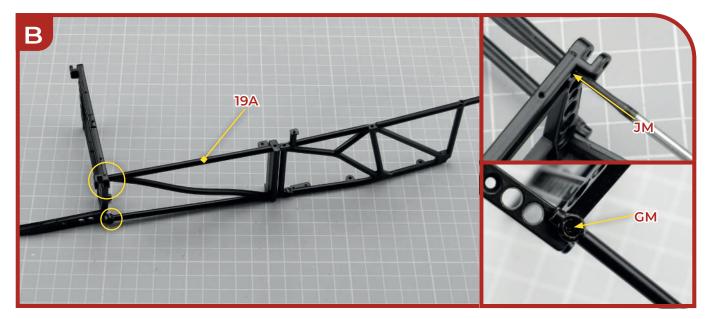




Stage 19: Building the Left Chassis Section

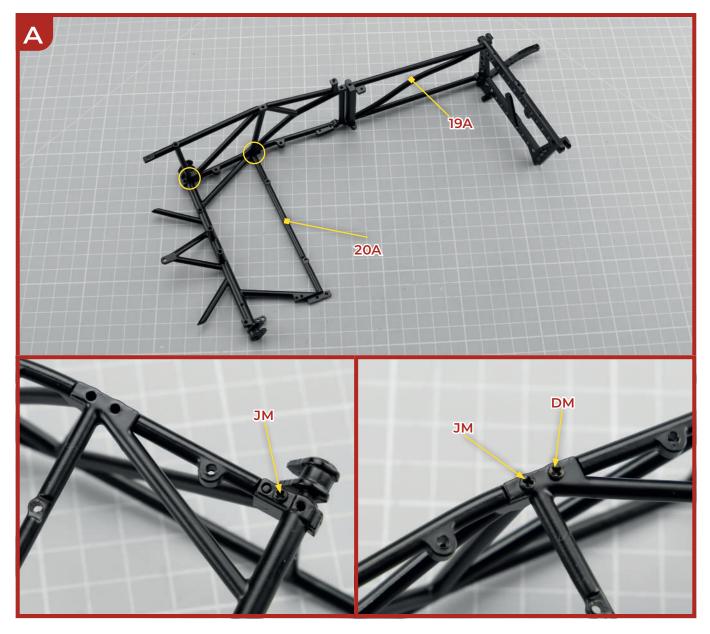






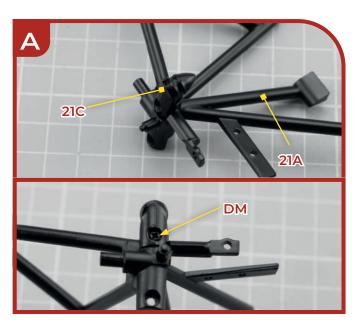
Stage 20: Attaching the Rear Axle Support



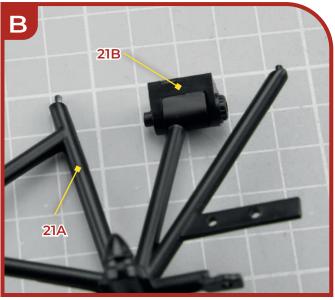


Stage 21: Fitting the Rear Left Chassis Section

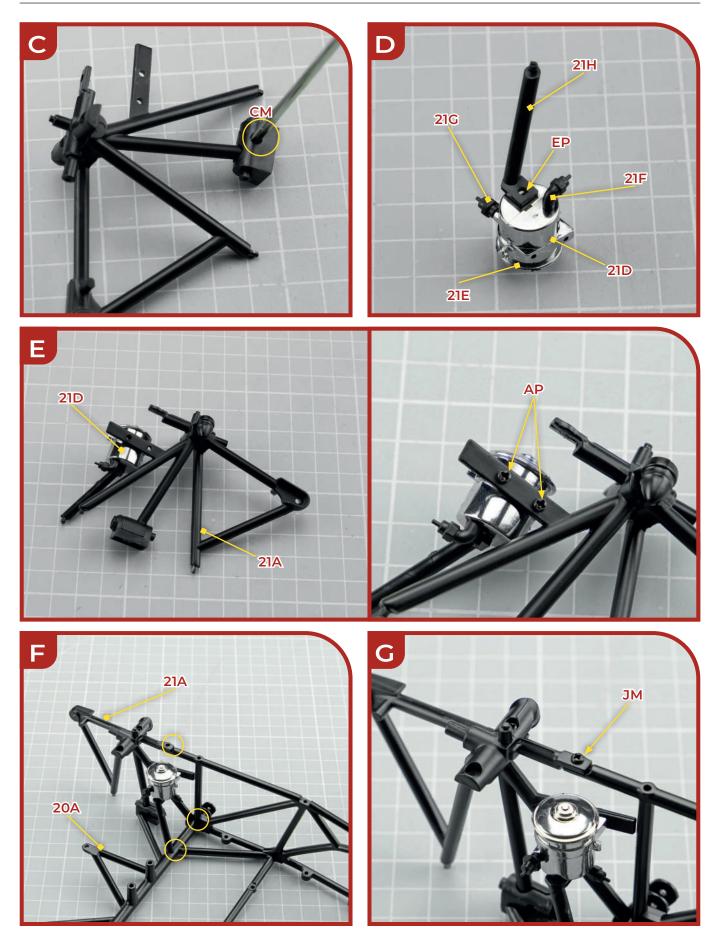
2-2	21# PARTS LIS		21E Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q		21G	21H JM
21A 21B 21C 21D	Chassis – rear left section Torsion bar support bushing 1 Suspension lock 1 Compensating	21E 21F 21G 21H	Reservoir co Fuel lines co Fuel lines co Reservoir su	nnector 2 nnector 3	AP EP CM DM JM	3 screws (1.7 x 4 mm) 2 screws (2 x 4 mm) 2 screws (1.7 x 4 mm) 2 screws (2 x 4 mm) 2 screws (2 x 5 mm)



reservoir

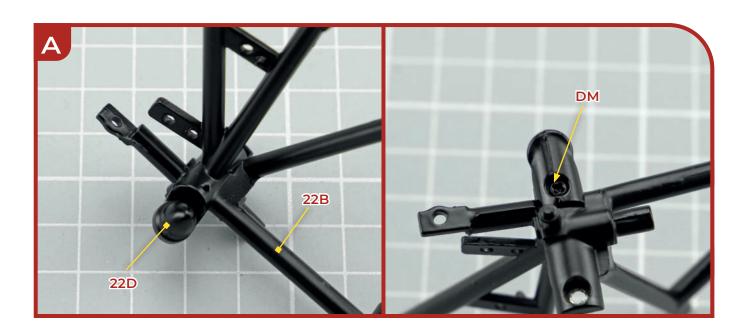


Stage 21: Fitting the Rear Left Chassis Section

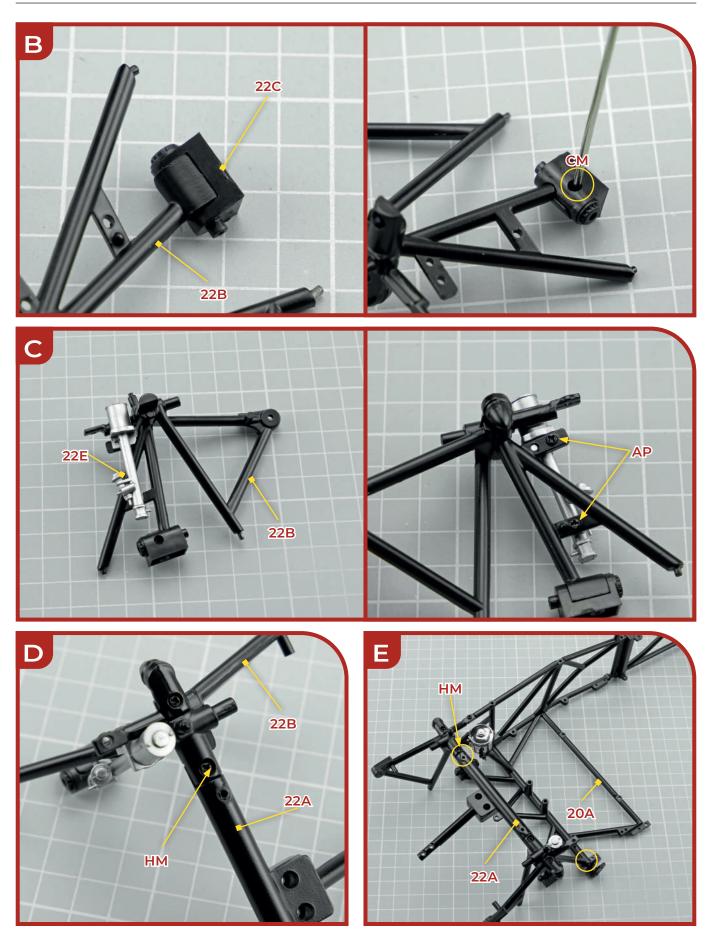


Stage 22: Fitting the Rear Right Chassis Section

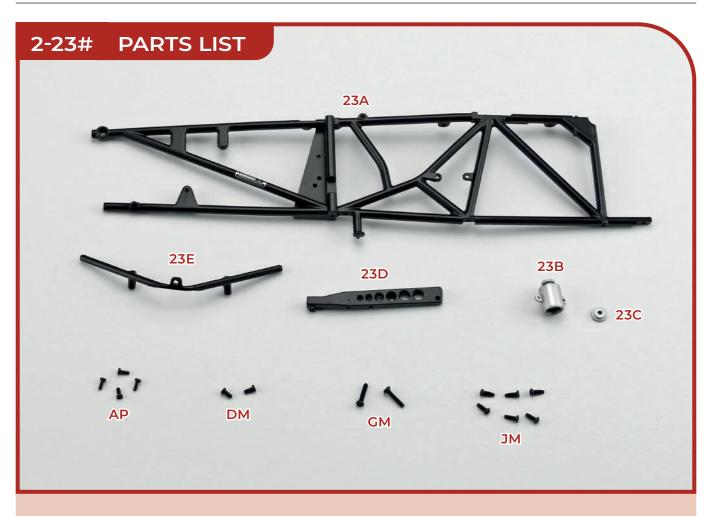
2-2	2# PARTS LIST			
	22B	22A		22D
	АР	СМ	DM	НМ
22A 22B 22C 22D 22E	Rear crossbeam Chassis – rear right section Torsion bar support bushing 2 Suspension lock 2 Fuel pump	AP CM DM HM	3 screws (1.7 2 screws (1.7 2 screws (2 x 3 screws (2.3	x 4 mm) 4 mm)



Stage 22: Fitting the Rear Right Chassis Section

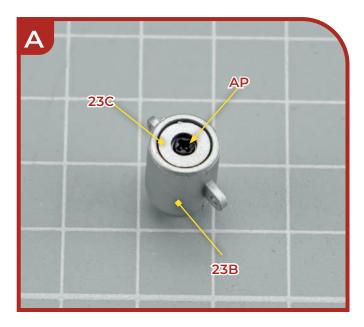


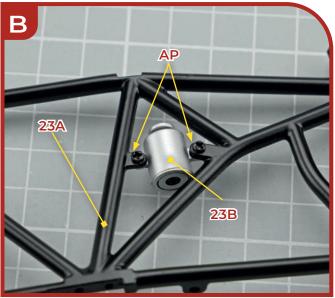
Stage 23: Attaching the Right Chassis Section



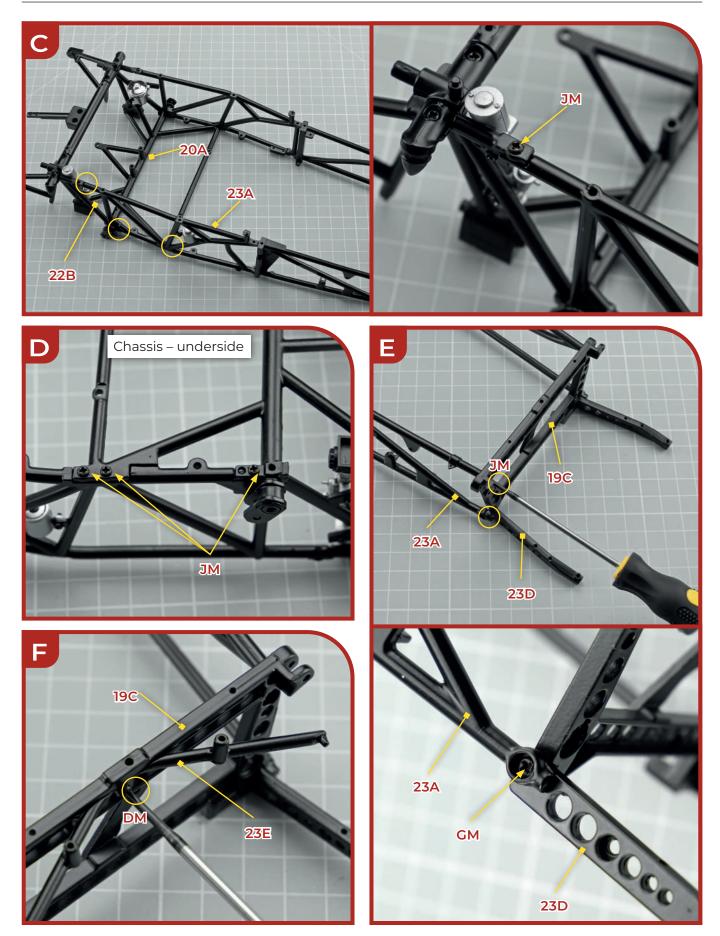
- 23A Chassis right section
 23B Brake fluid reservoir
 23C Reservoir base
 23D Radiator support (R)
- 23E Front crossbeam

AP	4 screws (1.7 x 4 mm)
DM	2 screws (2 x 4 mm)
GM	2 screws (2 x 10 mm)
JM	6 screws (2 x 5 mm)

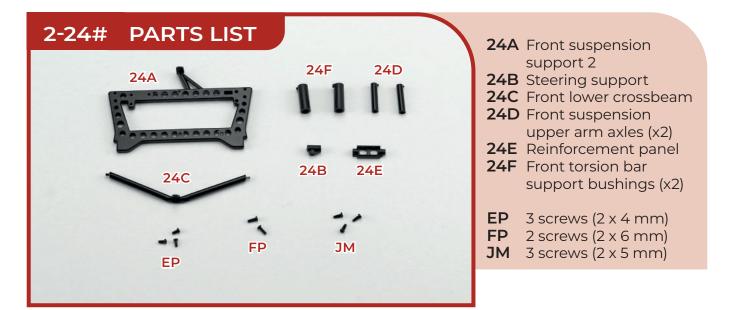


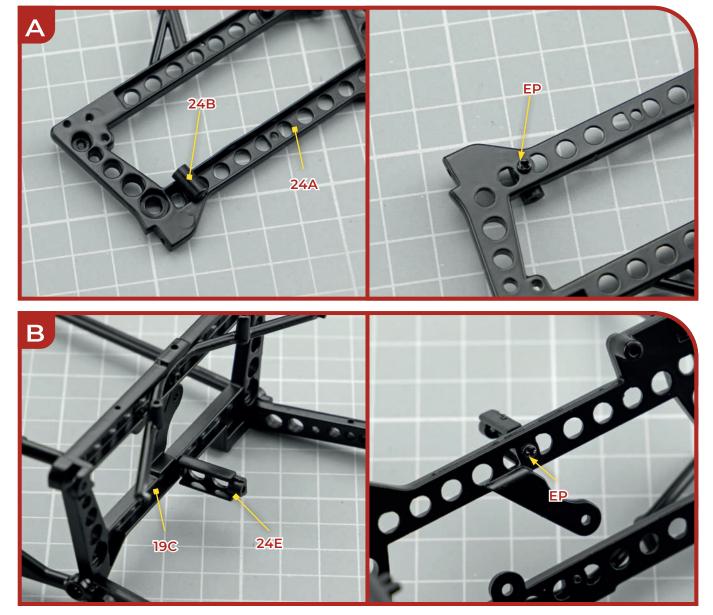


Stage 23: Attaching the Right Chassis Section

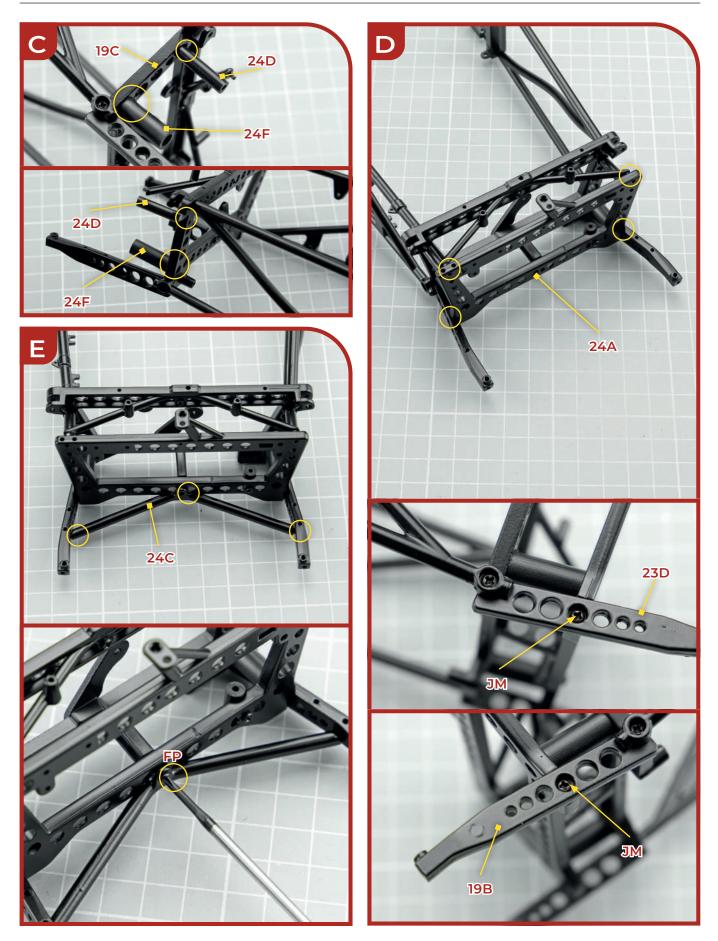


Stage 24: Fitting the Front Suspension and Steering Support





Stage 24: Fitting the Front Suspension and Steering Support



Stage 25: Assembling the Gearbox

2-25# PARTS LIST	
	250
25B	25E
CM	LM

25A 25B Gearbox part C 25C

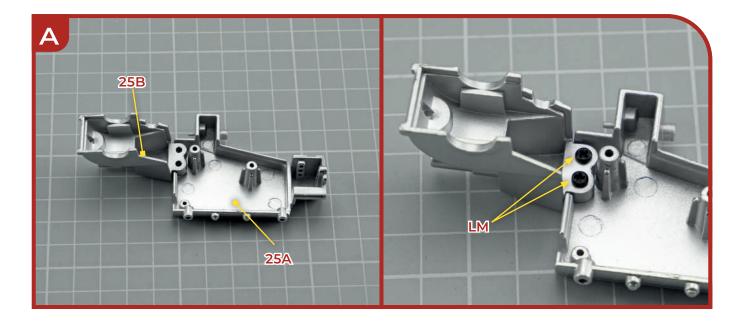
Gearbox part A Gearbox part B

25D 25E

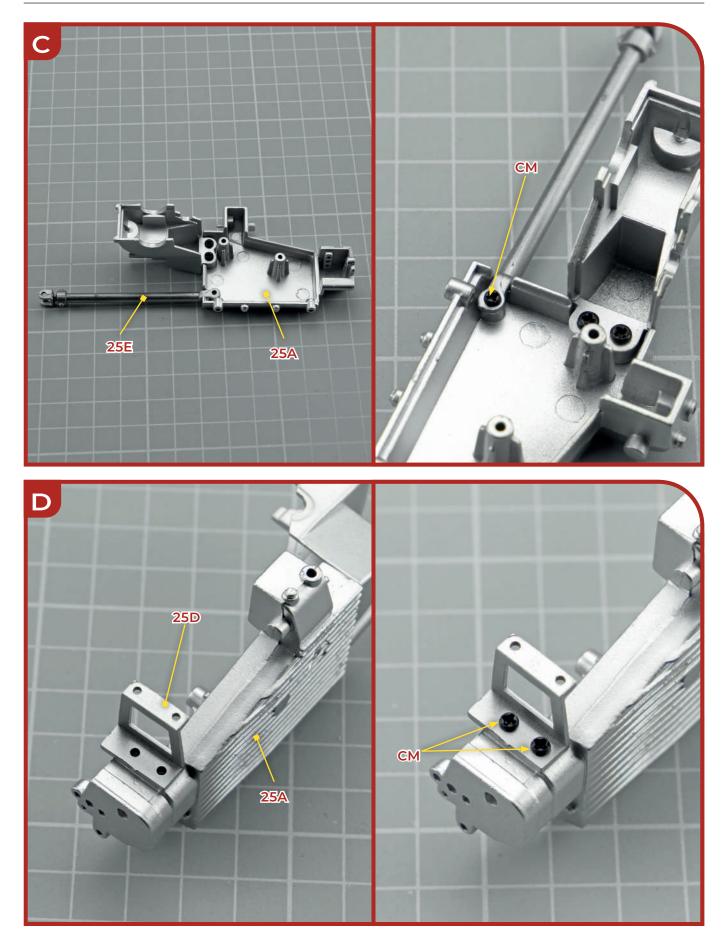
Gearbox rear support Rear transmission shaft

LM

CM 4 screws (1.7 x 4 mm) 3 screws (2.3 x 4 mm)

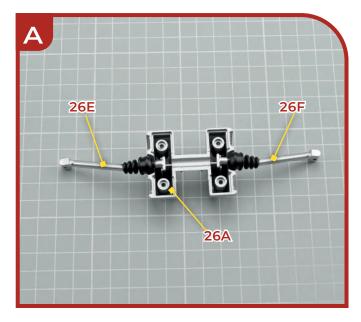


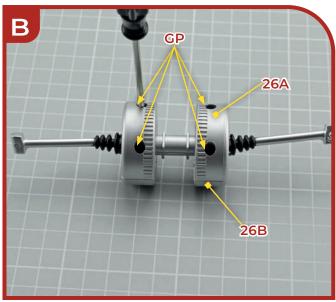
Stage 25: Assembling the Gearbox



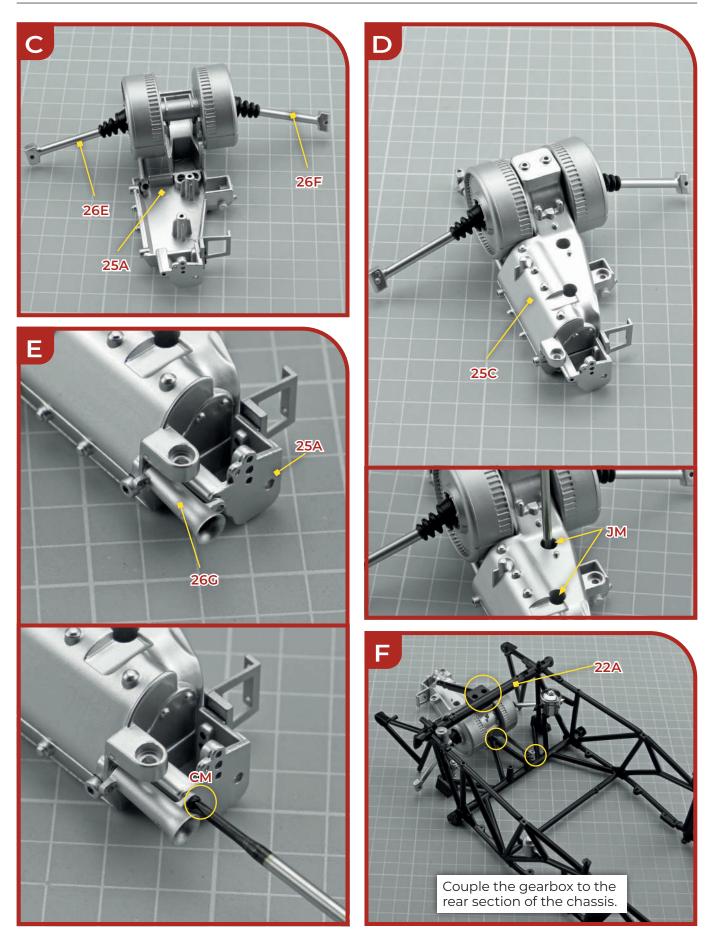
Stage 26: Building the Rear Brake Drums and Connecting the Gearbox

2-2	6# PARTS LIST		
	26A	26B	26C
C	26E	26F 26G HM	HP IP
26A 26B 26C	Rear brake drums part A Rear brake drums part B Rear suspension levers (x2)	 26D Rear suspension ar (x2) 26E Driveshaft (L) 26F Driveshaft (R) 26G External ignition adapter 	rms GP 5 screws (2.3 x 5 mm) HP 3 screws (1.7 x 5 mm) IP 3 screws (2 x 4 x 6 mm) CM 2 screws (1.7 x 4 mm) HM 2 screws (2.3 x 5 mm) JM 5 screws (2 x 5 mm)





Stage 26: Building the Rear Brake Drums and Connecting the Gearbox



Stage 26: Building the Rear Brake Drums and Connecting the Gearbox

