



# HORCH GERMAN COMMAND CAR



H-2109-3800

When the Germans repudiated the terms of the Versailles Treaty and began re-arming, it had already been decided by the German General Staff that motorization of the Army was of prime importance. The German Panzer Units of World War II became famous for their mobility and even the word "Blitzkrieg," or "Lightning War," was coined by Hitler to describe the manner in which his armored units operated. Other vehicles were needed to insure that the rest of the Army could keep up with the armored units, and one of these was the Horch Kfz 15. (Kfz=Kraftfahrzeug, or motor vehicle.)

The Horch was a medium-sized four-wheel drive vehicle produced originally for high-speed communications and transport but used quite often as a personal command vehicle by ranking officers and as a reconnaissance vehicle by Army units.

The distinctive feature of the Horch was the mounting of the two spare tires on axles at the middle of the vehicle. This feature allowed the spares to turn freely, and since they hung lower than the car's undercarriage and frame, it was nearly impossible to hang up, or "high center," this vehicle on rocks or uneven surfaces.

The Horch Kfz 15 and later versions were used from the beginning to the end of World War II and on all fronts involving German forces.

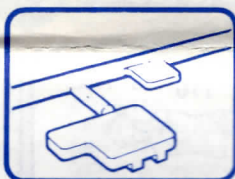
Your Revell-Italaerei Model was designed after the example preserved in the Deutsches Museum of Munich, a survivor of some 12,000 Horch Kfz 15's produced.

## HORCH COMMAND CAR SPECIFICATIONS

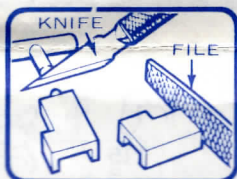
- Length: . . . . . 470 cm (15.4 feet)
- Width: . . . . . 186 cm (6.1 feet)
- Height: . . . . . 207 cm (6.8 feet)
- Weight (Empty): (with top) 3080 kg (6791.4 pounds)  
(without top) 2700 kg (5953.5 pounds)
- Power: . . . . . Horch 80 or 90 hp V-8
- Gearbox: . . . 4 speed with reverse and speed reducer
- Tank Capacity: . . . . . 110 liters (29 U.S. gallons)
- Speed: . . . . . 90 - 95 kmh (56 - 59 mph)

### GET YOUR TOOLS READY:

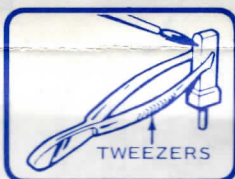
### BEFORE YOU BEGIN



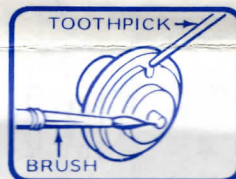
REMOVE PART WHEN CALLED FOR



TO REMOVE AND TRIM PARTS



TO HOLD PARTS



TO APPLY CEMENT



TO HOLD PARTS AFTER CEMENTING

### HELPFUL MODELING HINTS.

1. Fit parts together before cementing.
2. Trim away excess plastic.
3. Use cement sparingly, too much will damage your model.

4. Paint small parts **before** detaching from runner.

5. **TO OBTAIN A GOOD BOND, REMOVE PAINT WHERE PARTS ARE TO BE CEMENTED.**

IF YOU WISH TO STOP AT ANY POINT DURING THE CONSTRUCTION OF YOUR MODEL, DO SO ONLY AT THE END OF AN ASSEMBLY STEP.

### HORCH STAFF CAR COLORS REQUIRED

MOLDED COLOR IS LIGHT BROWN.  
USE F.S. 30257 (SAND) IF PAINTING.

- FLAT BLACK . . . . . F.S. 37038
- FLAT GRAY . . . . . F.S. 36231
- FLAT DARK GREEN . . . . . F.S. 34052
- FLAT FLESH . . . . . F.S. 33717
- FLAT BROWN . . . . . F.S. 30108
- SILVER . . . . . F.S. 17178

### CAMOUFLAGE HORCH ONLY

- FLAT RED BROWN . . . . . F.S. 30111

MIX A LITTLE GREEN WITH GRAY FOR FIELD GRAY  
F.S. 34159

MIX A LITTLE BLACK WITH GRAY FOR DARK GRAY  
F.S. 36118

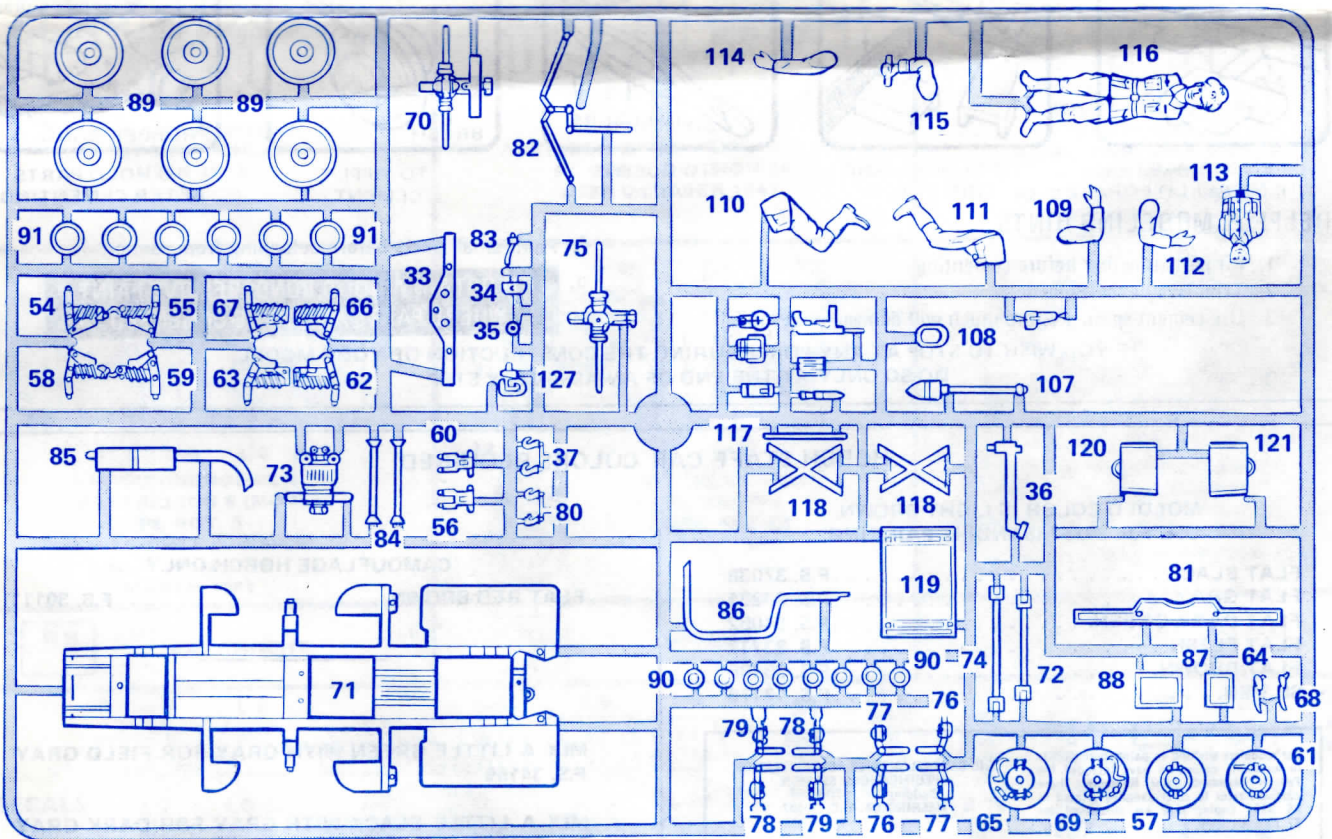
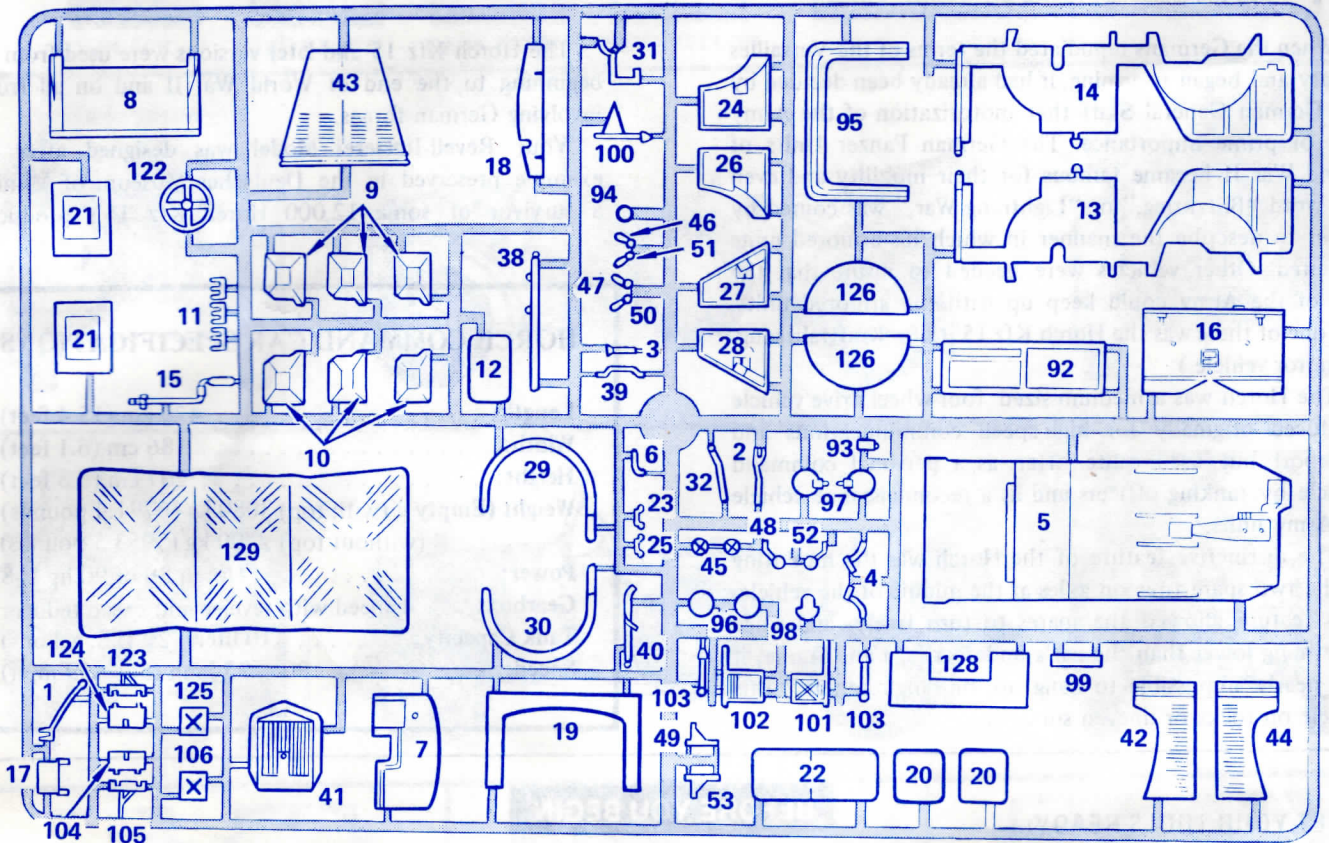
For modelers wishing to paint their models in authentic colors we have included the Federal Standard Color Numbers. These numbers refer to color samples printed in FS 595. Copies may be purchased for \$2.75 each from:

THE GENERAL SERVICE ADMINISTRATION  
SPECIFICATIONS SECTION  
Building 197, STOP 249  
WASHINGTON, D.C. 20407



**CAUTION**

PLASTIC PARTS NOT NUMBERED. USE THIS AS A GUIDE IN ASSEMBLING THIS KIT. DO NOT REMOVE PARTS UNTIL YOU ARE READY TO USE THEM.





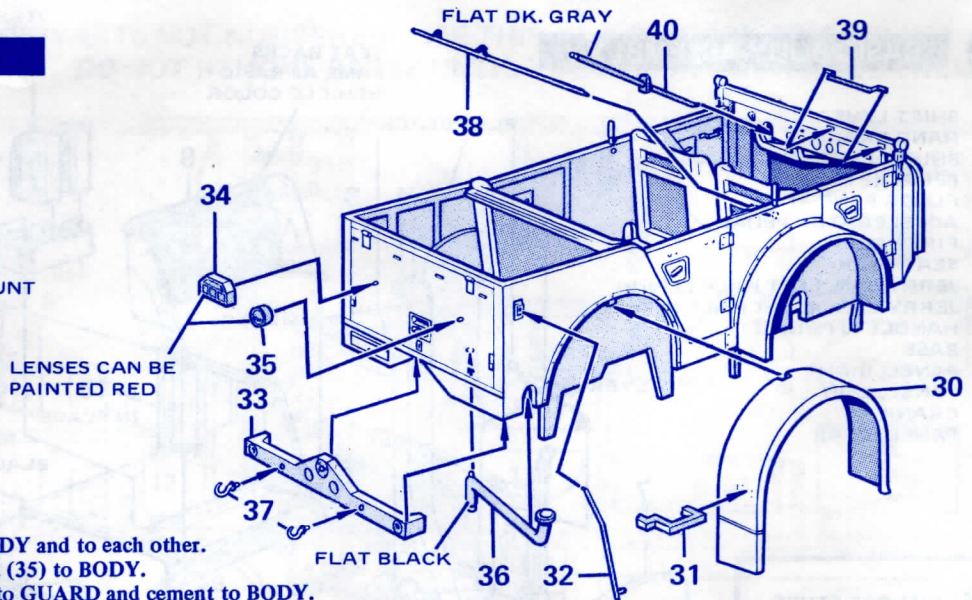




**3**

**BODY DETAILS**

- 30 FENDER, RIGHT REAR
- 31 GUARD, GAS FILLER
- 32 VENT LINE
- 33 BUMPER
- 34 ID LIGHT
- 35 TAILLIGHT
- 36 FILLER PIPE
- 37 HOOK (2 Parts)
- 38 CROSSBRACE/M.G. MOUNT
- 39 HAND BAR
- 40 STEERING COLUMN

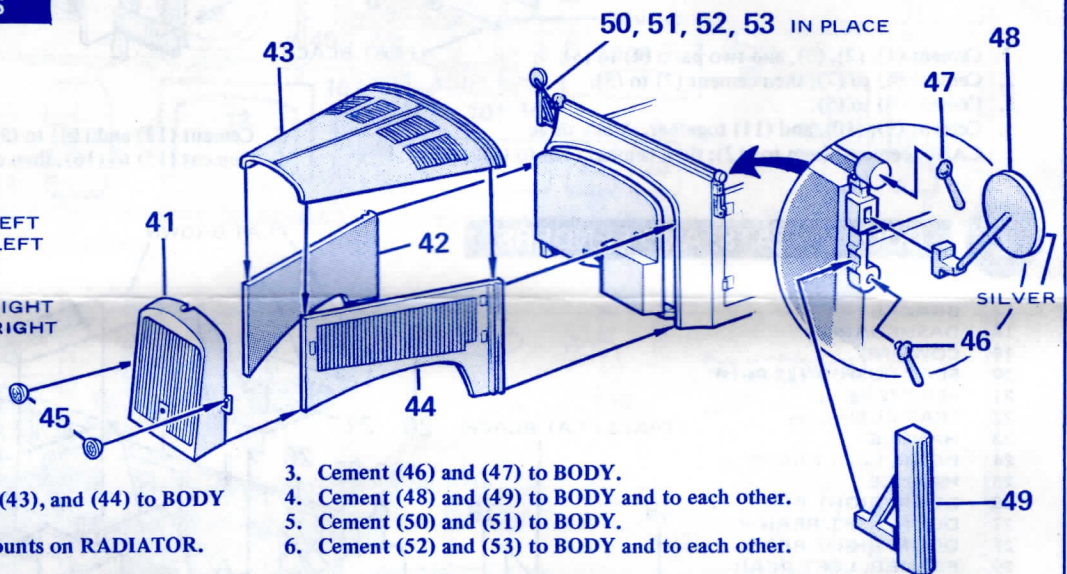


1. Cement (30) and (31) to BODY and to each other.
2. Cement (32), (33), (34), and (35) to BODY.
3. Slide filler end of (36) up into GUARD and cement to BODY.
4. Cement two parts (37) to BUMPER.
5. Cement (38) and (39) to BODY.
6. Slide bent tip of (40) into HOLE in interior-side of FIREWALL and cement in place. Cement angled bracket of (40) to DASHBOARD.

**4**

**HOOD DETAILS**

- 41 RADIATOR
- 42 HOOD PANEL, RIGHT
- 43 HOOD
- 44 HOOD PANEL, LEFT
- 45 HORN (2 Parts)
- 46 LOCK HANDLE, SMALL
- 47 LOCK HANDLE, LARGE
- 48 REAR VIEW MIRROR, LEFT
- 49 MECH. TURN SIGNAL, LEFT
- 50 LOCK HANDLE, LARGE
- 51 LOCK HANDLE, SMALL
- 52 REAR VIEW MIRROR, RIGHT
- 53 MECH. TURN SIGNAL, RIGHT



1. Carefully cement (41), (42), (43), and (44) to BODY and together.
2. Cement two parts (45) to mounts on RADIATOR.
3. Cement (46) and (47) to BODY.
4. Cement (48) and (49) to BODY and to each other.
5. Cement (50) and (51) to BODY.
6. Cement (52) and (53) to BODY and to each other.

**5**

**SUSPENSION ASSEMBLY**

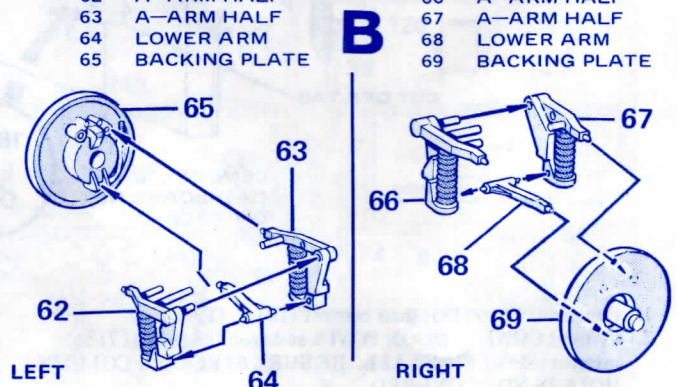
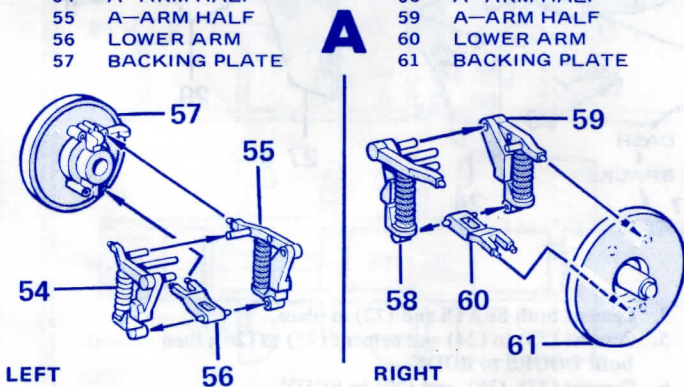
SUSPENSION PARTS ARE FLAT DK. GRAY

**FRONT SUSPENSION ASSEMBLIES**

**REAR SUSPENSION ASSEMBLIES**

- |                  |                  |
|------------------|------------------|
| 54 A-ARM HALF    | 58 A-ARM HALF    |
| 55 A-ARM HALF    | 59 A-ARM HALF    |
| 56 LOWER ARM     | 60 LOWER ARM     |
| 57 BACKING PLATE | 61 BACKING PLATE |

- |                  |                  |
|------------------|------------------|
| 62 A-ARM HALF    | 66 A-ARM HALF    |
| 63 A-ARM HALF    | 67 A-ARM HALF    |
| 64 LOWER ARM     | 68 LOWER ARM     |
| 65 BACKING PLATE | 69 BACKING PLATE |



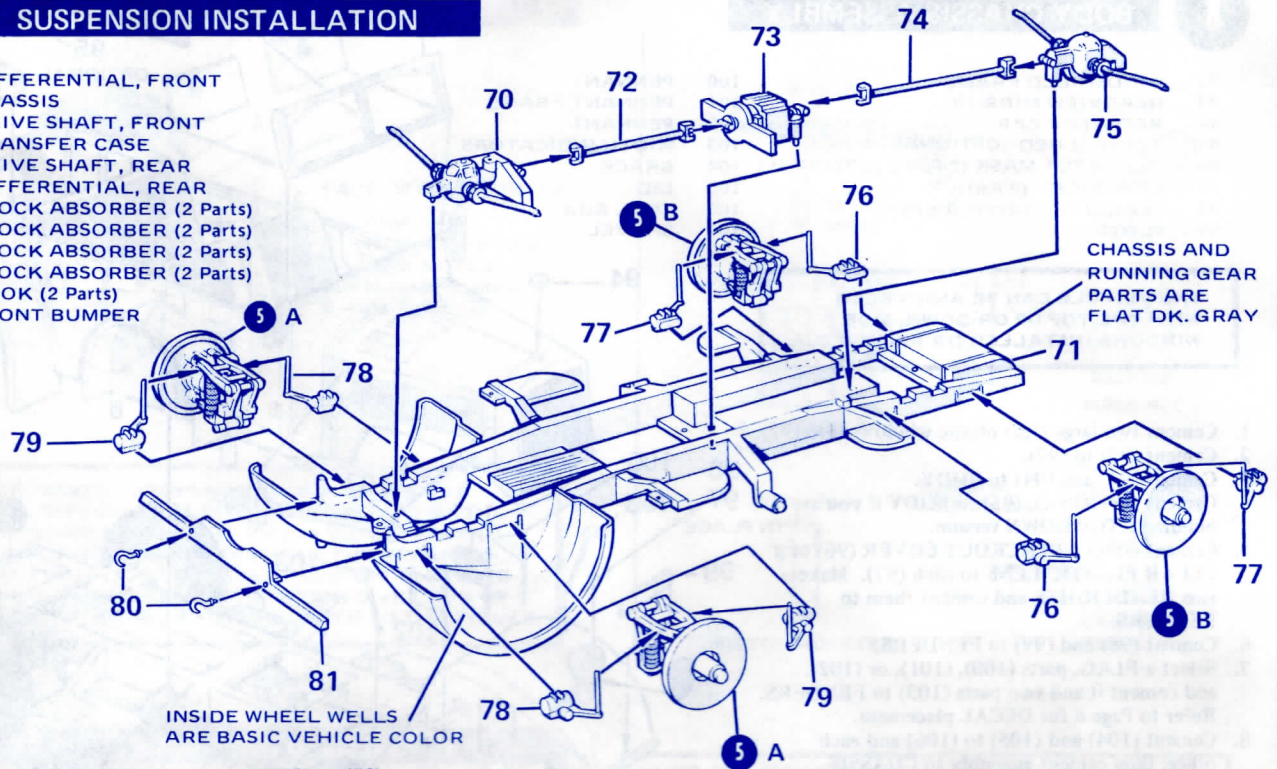
1. Carefully cement parts (54), (55), (56), and (57) together.
2. Carefully cement parts (58), (59), (60), and (61) together.
3. Carefully cement parts (62), (63), (64), and (65) together.
4. Carefully cement parts (66), (67), (68), and (69) together.



## 6

## SUSPENSION INSTALLATION

- 70 DIFFERENTIAL, FRONT
- 71 CHASSIS
- 72 DRIVE SHAFT, FRONT
- 73 TRANSFER CASE
- 74 DRIVE SHAFT, REAR
- 75 DIFFERENTIAL, REAR
- 76 SHOCK ABSORBER (2 Parts)
- 77 SHOCK ABSORBER (2 Parts)
- 78 SHOCK ABSORBER (2 Parts)
- 79 SHOCK ABSORBER (2 Parts)
- 80 HOOK (2 Parts)
- 81 FRONT BUMPER



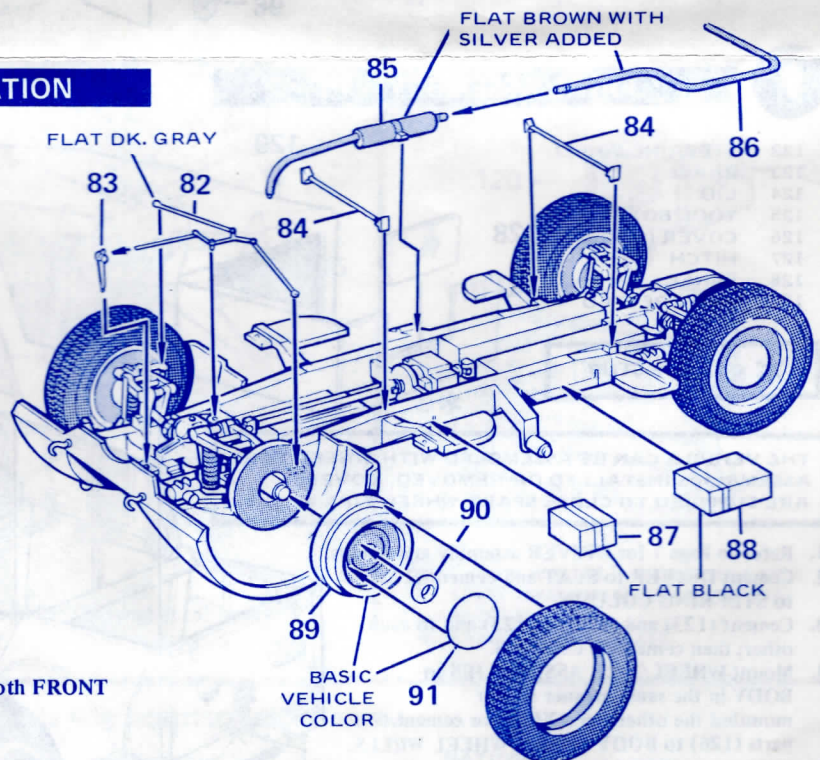
1. Cement (70) to (71); then cement (72) to (70).
2. Cement (73) to (72) and (71); then cement (74) to (73).
3. Cement (75) to (74) and (71).
4. Cement four SUSPENSION ASSEMBLIES to CHASSIS.
5. Cement one (76) and one (77) to each REAR SUSPENSION ASSEMBLY and CHASSIS.

6. Cement one (78) and one (79) to each FRONT SUSPENSION ASSEMBLY and CHASSIS.
7. Cement two parts (80) to (81); then cement (81) to CHASSIS.

## 7

## WHEELS/EXHAUST INSTALLATION

- 82 STEERING LINKAGE
- 83 STEERING ARM
- 84 BRACE (2 Parts)
- 85 MUFFLER
- 86 TAILPIPE
- 87 STORAGE BOX, SMALL
- 88 STORAGE BOX, LARGE
- 89 WHEEL (6 Parts)
- 90 RETAINER (8 Parts)
- 91 HUB CAP (6 Parts)



1. Cement (82) to CHASSIS CROSSMEMBER and both FRONT SUSPENSION ASSEMBLIES.
2. Cement (83) to (82) and CHASSIS.
3. Cement two parts (84) to CHASSIS.
4. Cement (85) to CHASSIS and cement (86) to (85) and REAR SUSPENSION.
5. Cement (87) and (88) to CHASSIS.
6. Mount a TIRE on each (89). Notice SHOULDER inside TIRE and on WHEEL. Make six WHEEL/TIRE ASSEMBLIES.

7. Place a WHEEL/TIRE ASSEMBLY and a part (90) on one AXLE at a time. Hold (90) in place with a small drop of cement. DO NOT ALLOW CEMENT TO TOUCH WHEEL OR IT WILL NOT ROTATE. DO NOT MOUNT EXTRA TIRES NOW.
8. Cement a part (91) on each WHEEL.



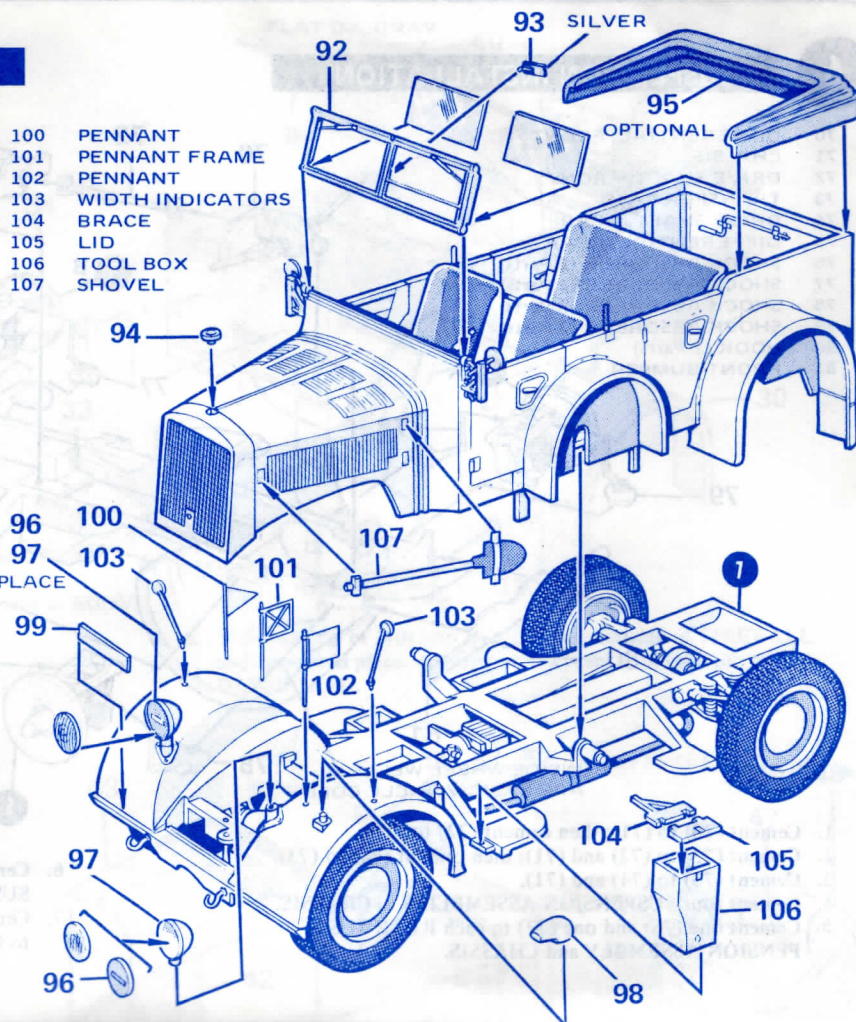
**8**

**BODY CHASSIS ASSEMBLY**

- |                                       |                      |
|---------------------------------------|----------------------|
| 92 WINDSHIELD FRAME                   | 100 PENNANT          |
| 93 REARVIEW MIRROR                    | 101 PENNANT FRAME    |
| 94 RADIATOR CAP                       | 102 PENNANT          |
| 95 TOP, FOLDED (OPTIONAL)             | 103 WIDTH INDICATORS |
| 96 BLACKOUT MASK (2 Parts) (OPTIONAL) | 104 BRACE            |
| 97 HEADLIGHT (2 Parts)                | 105 LID              |
| 98 BLACKOUT DRIVING LIGHT             | 106 TOOL BOX         |
| 99 PLATE                              | 107 SHOVEL           |

**THE VEHICLE CAN BE ASSEMBLED WITH THE TOP UP OR DOWN, SIDE WINDOWS INSTALLED OR REMOVED.**

1. Cement two large clear plastic windows into (92).
2. Cement (93) to (92).
3. Cement (92) and (94) to BODY.
4. Cement OPTIONAL (95) to BODY if you are building a TOP DOWN version.
5. Cement either a BLACKOUT COVER (96) or a CLEAR PLASTIC LENS to each (97). Make two HEADLIGHTS and cement them to FENDERS.
6. Cement (98) and (99) to FENDERS.
7. Select a FLAG, parts (100), (101), or (102), and cement it and two parts (103) to FENDERS. Refer to Page 8 for DECAL placement.
8. Cement (104) and (105) to (106) and each other; then cement assembly to CHASSIS.
9. Cement (107) to HOOD.
10. Carefully place BODY on CHASSIS and cement in place.



**9**

**FINAL ASSEMBLY**

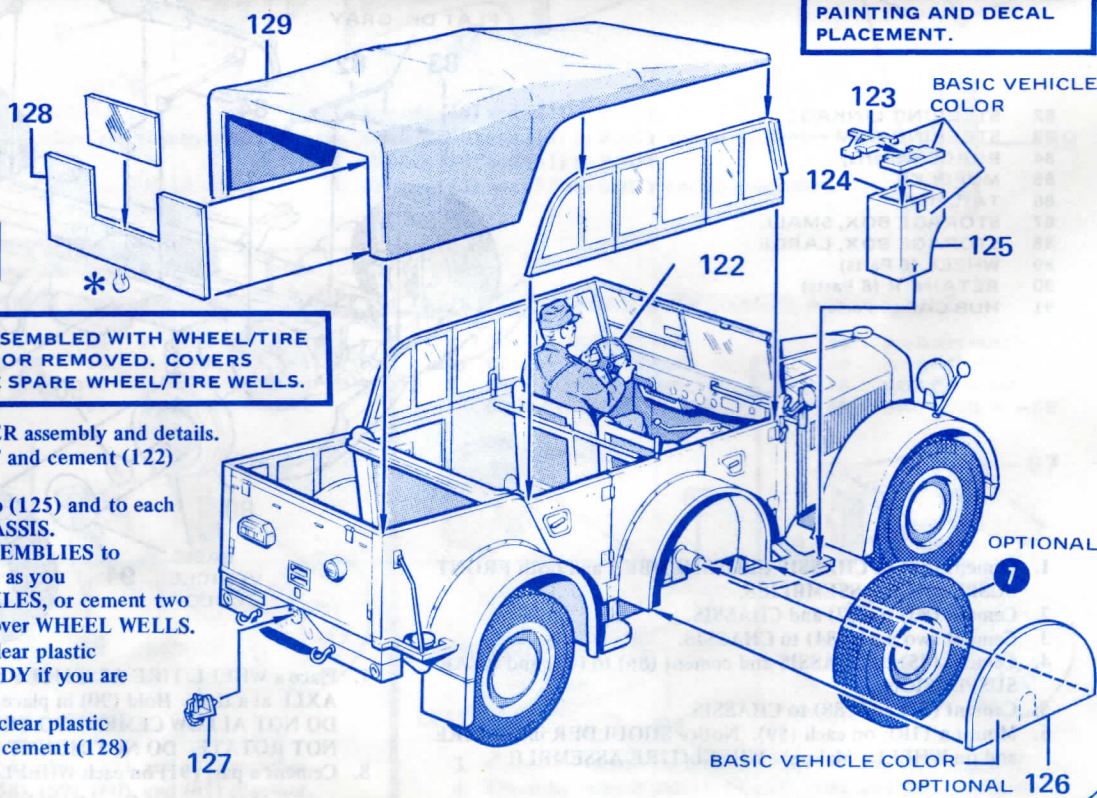
- |                     |
|---------------------|
| 122 STEERING WHEEL  |
| 123 BRACE           |
| 124 LID             |
| 125 TOOL BOX        |
| 126 COVER (2 Parts) |
| 127 HITCH           |
| 128 PANEL           |
| 129 TOP, ERECTED    |

**\* CUT OFF STUB**

**REFER TO BOX COVER AND STEP 12 FOR AID IN PAINTING AND DECAL PLACEMENT.**

**THE VEHICLE CAN BE ASSEMBLED WITH WHEEL/TIRE ASSEMBLIES INSTALLED OR REMOVED. COVERS ARE SUPPLIED TO CLOSE SPARE WHEEL/TIRE WELLS.**

1. Refer to Page 7 for DRIVER assembly and details.
2. Cement DRIVER to SEAT and cement (122) to STEERING COLUMN.
3. Cement (123) and (124) to (125) and to each other; then cement to CHASSIS.
4. Mount WHEEL/TIRE ASSEMBLIES to BODY in the same manner as you mounted the others on AXLES, or cement two parts (126) to BODY to cover WHEEL WELLS.
5. Cement two OPTIONAL clear plastic FRAME/WINDOWS to BODY if you are building a TOP UP version.
6. Cement OPTIONAL small clear plastic WINDOW into (128); then cement (128) into (129).
7. Cement TOP to BODY.

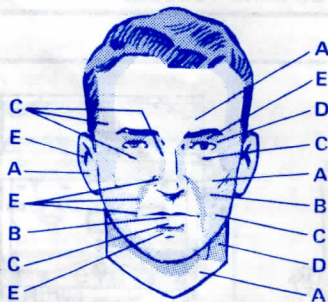


BASIC VEHICLE COLOR  
OPTIONAL 126



10

PAINTING – FACE/FIELD EQUIPMENT

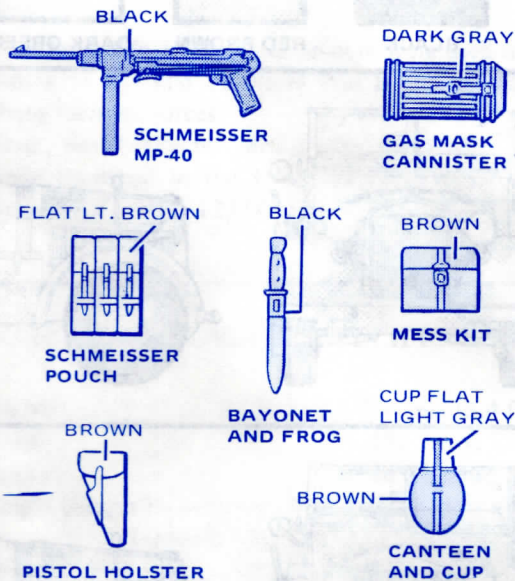


FACE DETAIL PAINTING

- A – Flesh Tone
- B – Pinkish Flesh Tone
- C – Light Shadow
- D – Medium Shadow
- E – Dark Shadow

A FACE PAINTED PROPERLY COMES TO LIFE IN A MODEL. DIFFERENT FLESH TONES AND ARTIFICIAL SHADING CAN BE MIXED THROUGH EXPERIMENTATION AND ADD IMMEASURABLY TO THE REALISM OF THE FIGURES. THE DEEPER FOLDS OF CLOTHING CAN ALSO BE PAINTED IN A DARKENED VERSION OF THE CLOTHING COLOR TO GIVE DEPTH TO THE FIGURE.

FIELD EQUIPMENT



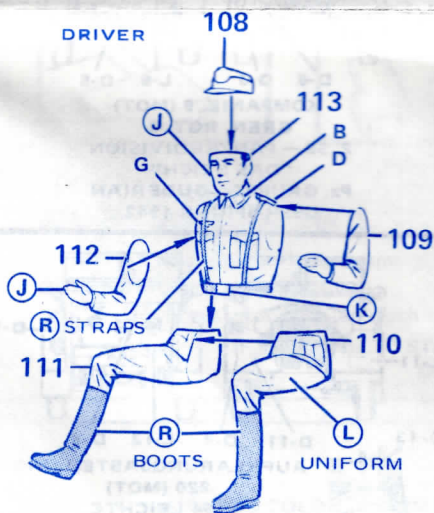
11

FIGURE/EQUIPMENT ASSEMBLY

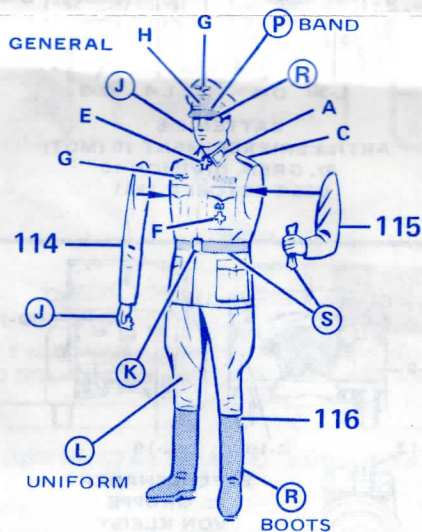
- |                |                      |
|----------------|----------------------|
| 108 CAP        | 115 ARM, LEFT        |
| 109 ARM, LEFT  | 116 LEGS/TORSO/HEAD  |
| 110 LEG, LEFT  | 117 SPREADER BAR     |
| 111 LEG, RIGHT | 118 LEGS (2 Parts)   |
| 112 ARM, RIGHT | 119 TABLE TOP        |
| 113 TORSO/HEAD | 120 CASE, REAR HALF  |
| 114 ARM, RIGHT | 121 CASE, FRONT HALF |

PAINT THE FIGURES FLESH PARTS FIRST, THEN CLOTHING, INSIGNIA, BOOTS, STRAPS, BUCKLES, ETC.

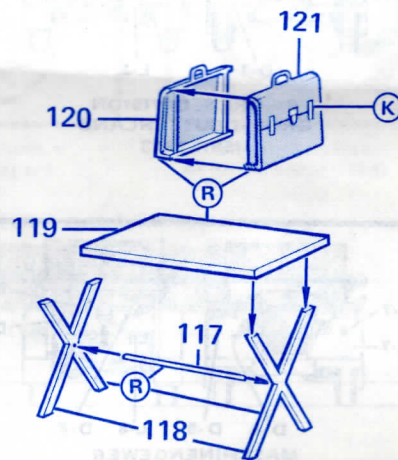
- COLORS
- |                |                    |
|----------------|--------------------|
| (J) FLESH      | (P) FLAT DK. GREEN |
| (K) SILVER     | (R) FLAT BLACK     |
| (L) FIELD GRAY | (S) FLAT BROWN     |



1. Cement (108), (109), (110), (111), and (112) to (113).



2. Cement (114) and (115) to (116).



3. Cement part (117) between two parts (118); then cement both parts (118) to (119).
4. Cement (120) to (121).

PAINT EMBLEMS FOR ADDITIONAL REALISM



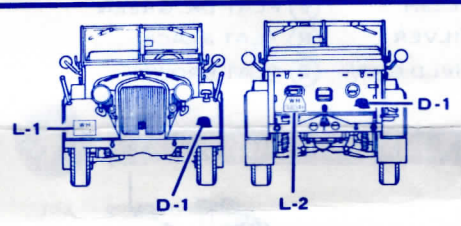
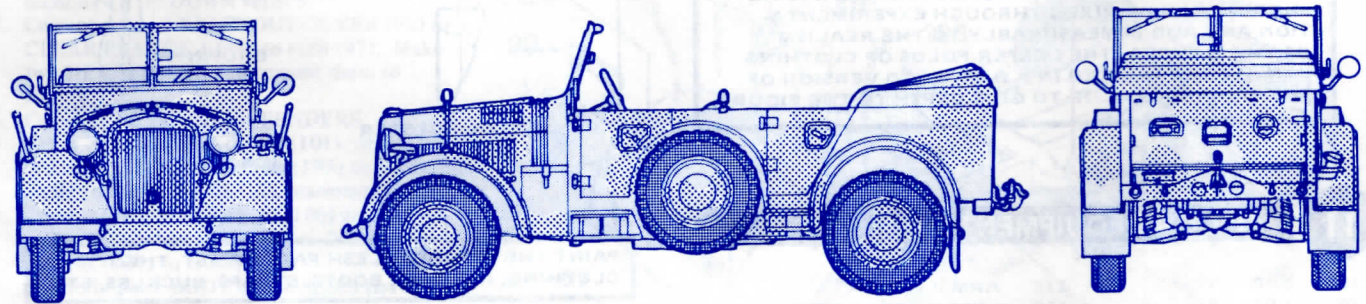
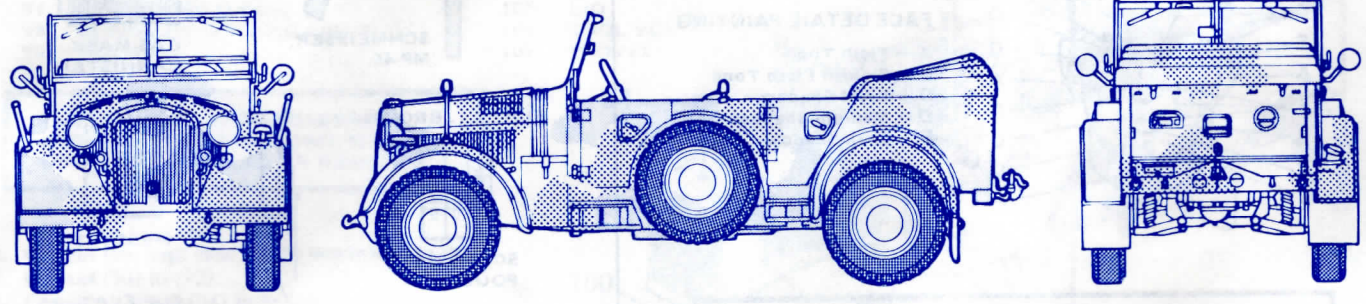


12

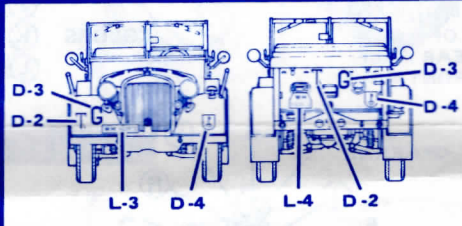
CAMOUFLAGE AND DECALS



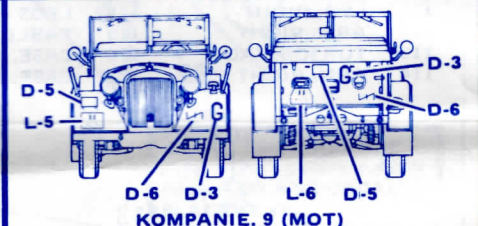
IF YOU DO NOT CAMOUFLAGE YOUR HORCH COMMAND-CAR, IT CAN BE PAINTED DARK GRAY, WHITE, OR SAND YELLOW.



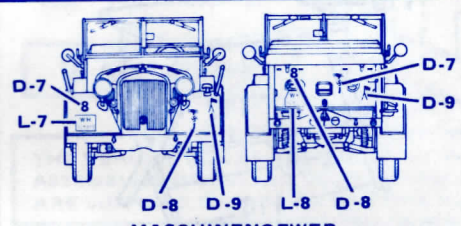
Pz. GREN. DIVISION  
GROSSDEUTSCHLAND  
USSR 1943



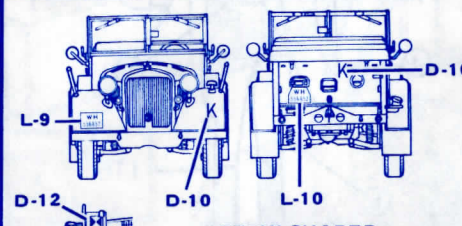
BATTERIE 5  
ARTILLERIEREGIMENT 10 (MOT)  
Pz. GREN. DIVISION 10  
USSR OCTOBER 1941



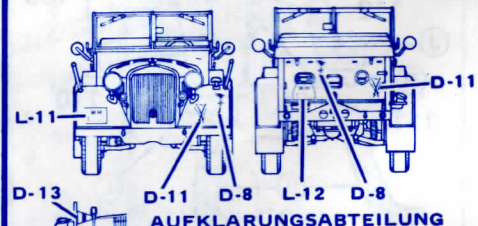
KOMPANIE. 9 (MOT)  
GREN. RGT. 3  
2. SS - PANZERDIVISION  
"DAS REICH"  
Pz. GRUPPE-2-GUDERIAN  
USSR SPRING 1942



MASCHINENGEWER  
BATTALLION 8 (MOT)  
Pz. RGT. 5  
5 - LEICHTE DIVISION  
NORTH AFRICA  
MARCH 1941



BEFEHLSHABER  
Pz. GRUPPE  
VON KLEIST  
USSR 1942



AUFKLARUNGSABTEILUNG  
220 (MOT)  
164 LEICHTE  
AFRIKA DIVISION  
NORTH AFRICA 1942

WH WEHRMACHT

WL LUFTWAFFE

SS SCHUTZSTAFFEL

L-1 WH 1032548	L-2 WH 1032548	L-3 WH-603873	L-4 WH 603873	L-5 SS 8216	L-6 SS 8216	D-1 [Symbol]	D-2 [Symbol]	D-3 G	D-4 [Symbol]	D-5 [Symbol]	D-6 [Symbol]	D-7 8
DECALS L-7 WH 928955	L-8 WH 928955	L-9 WH 556852	L-10 WH 556852	L-11 WH 457220	L-12 WH 457220	D-8 [Symbol]	D-9 [Symbol]	D-10 K	D-11 [Symbol]	D-12 [Symbol]	D-13 [Symbol]	