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German Panzer Division early-40 through 45

Notes:

- From its initial formation, the panzer division went through a number of iterations, the most significant occurring in 1943 and 1944. A final version was released in early 1945, but the available forces were so limited that most divisions were no more than brigade or regiment sized units. In total, twenty-four panzer divisions were formed.

- While not depicted in the organizational structure, in early-40, the two panzer regiments (GF1) were subordinate to an administrative panzer brigade staff. By early-41, it had been removed from the typical panzer division.

- At that time, four of then available ten panzer divisions, the 6th, 7th, 8th and 9th, fielded just a single panzer regiment (no panzer brigade staff). The 1st through 5th and the 10th panzer divisions fielded two panzer regiments.

- While not depicted in the organizational structure, up until early-43, the (mot) infantry regiments (GF6 & GF7) and the motorcycle battalion (GF105) were subordinate to an administrative (mot) infantry brigade staff. By early-43, it had been removed from the typical panzer division.

- Of the seventeen panzer divisions deployed at the start of Operation Barbarossa, 22 June 1941, nine of their panzer regiments fielded three instead of two panzer battalions. These larger regiments were found in the 3rd (6th Panzer Regiment), 6th (11th), 7th (25th), 8th (10th), 12th (29th), 17th (39th), 18th (18th), 19th (27th) and 20th (21st) Panzer Divisions. The remaining eight panzer regiments fielded the typical two battalions. These regiments were found in the 1st (1st), 4th (35th), 9th (33rd), 10th (7th), 11th (15th), 13th (4th), 14th (36th) and 15th (2nd) Panzer Divisions.

- At that time, six of panzer divisions fielded Czech PzKpfw 35(t) [G-36A] or PzKpfw 38(t) [G-36B, G-91] instead of the PzKpfw III [G-38A, G-10A]. Only the 6th Panzer Division fielded the PzKpfw 35(t)[G-36A] while the 7th, 8th, 12th, 19th and 20th Panzer Divisions fielded the PzKpfw 38(t) [G36B, G-91].

- Five additional panzer divisions deployed after the start of the offensive. The 2nd (3rd) and 5th (31st) battalions in September 1941; the 22nd (204th - three battalions) and the 23rd (201st - three battalions) in February 1942; and finally the 24th (24th - three battalions) in May 1942.

- Only four of the sixteen panzer divisions deployed at the start of Operation Zitadelle (Kursk), 1 July 1943, fielded two panzer battalions in their panzer regiments. These units included the 7th (25th), 11th (15th), 13th (4th) and 19th (27th) panzer divisions. The remaining twelve panzer regiments fielded a single panzer battalion. These units included the 2nd (3rd), 3rd (6th), 4th (35th), 5th (31st), 6th (11th), 8th (10th), 9th (33rd), 11th (15th), 17th (39th), 18th (18th), 20th (21st) and 23rd (201st) panzer divisions.

- Five additional panzer divisions deployed after the start of the offensive. The 14th (36th - single battalion) and 24th (24th - single battalion) both in October 1943; the 1st (1st - two battalions) and 25th (9th - single battalion) both in November 1943; and the 16th (2nd - single battalion), its PzKpfw Panther [G-2B] battlegroup deployed October 1943.

- Heavy tank units (GF103 & GF104) were at times attached to panzer divisions more often serving as independent formations.

- Artillery assets were typically fielded in a single artillery regiment of three (mot) battalions. It was not uncommon to find some four battalions regiments. Starting in mid-43, the panzer divisions converted one battalion to self-propelled guns with the arrival of the 10.5cm armed Wespe and 15cm armed Hummel self-propelled guns. The artillery assets are represented as organic batteries in the panzer (mot) infantry and panzer grenadier regiments. Super heavy batteries (GF131) were fielded as corps and army level assets. They were allocated to the divisions as dictated by the tactical situation.

- Typical formation grade would be Seasoned or Veteran in 1940, Veteran from 1941-1943, Seasoned or Veteran from 1944-1945. Units from the reconnaissance battalion typically are one grade higher. Units from the SP panzerjäger companies or pionier battalion may, at times, be one grade higher.
German (mot) Infantry & Panzergrenadier Division early-40 through 45

Notes:
- In early-1940, the (mot) infantry divisions were reformatted to two (mot) infantry regiments from the original configuration of three (mot) infantry regiments. In total, twelve motorized/panzergrenadier divisions were formed.
- All of the then available (mot) infantry divisions were deployed at the start of Operation Barbarossa, 22 June 1941. This included the 3rd, 10th, 14th, 16th, 18th, 20th, 25th, 29th, 36th and 60th (mot) infantry divisions.
- By mid-1942, four (mot) infantry divisions fielded a single panzer battalion. These battalions were found in the 3rd (103rd panzer battalion), 16th (116th), 23rd (129th) and the 60th (160th) (mot) infantry divisions.
- By mid-1943, all of the remaining (mot) infantry divisions were officially reclassified as panzergrenadier divisions.
- Two panzergrenadier divisions were deployed at the start of Operation Zitadelle (Kursk), 1 July 1943, the 10th (7th) and 16th (116th).
- All of the remaining panzergrenadier divisions eventually fielded armor battalions. These included the 18th (118th), 20th (8th) and the 25th (5th). In 1943, the 14th and 36th (mot) infantry divisions were de-motorized and reverted to the 14th and 36th infantry divisions respectively. In mid-1943, the 15th panzergrenadier division was formed. It initially fielded the 215th panzer battalion later converting to the 115th panzer battalion.
- One of the most notable German divisions was the (mot) infantry, later panzergrenadier division Grossdeutschland. In actuality, its organizational structure more closely mirrored that of the panzer divisions, fielding an entire panzer regiment while retaining three battalions (one armored) in each of its two panzergrenadier regiments. Throughout the war, it was the most powerful and elite division in the German Army.
- Artillery assets were typically fielded in a single artillery regiment of three (mot) battalions. It was not uncommon to find some four battalion regiments. The artillery assets are represented as organic batteries in the (mot) infantry and panzergrenadier regiments. Super heavy batteries (GF131) were fielded as corps and army level assets. They were allocated to the divisions as dictated by the tactical situation.
- Typical formation grade would be Seasoned or Veteran in 1940, Veteran from 1941-1943, Seasoned from 1944-1945. Units from the reconnaissance battalion should be one grade higher. Units from the SP panzerjäger companies or pionier battalion may, at time, be one grade higher.
**Notes:**
- From its initial formation, the infantry division went through a number of minor changes with the most significant occurring in late-1943. At that point it had its infantry regiments reduced from three to two infantry battalions each. In total, three hundred and eighty-nine infantry divisions were formed.
- Even after the infantry regiment was reduced to two infantry battalions, its panzerjäger company and (fighting) infantry gun company retained their traditional 13th and 14th company designations.
- Artillery assets were typically fielded in a single artillery regiment of four battalions. The artillery regiment was composed of three medium battalions and one heavy battalion. The artillery assets are represented as organic batteries in the infantry regiments. Super-heavy batteries (GF131) were fielded as corps and army level assets. They were allocated to the divisions as dictated by the tactical situation.
- Typical formation grade would be Seasoned or Veteran from 1940-1942, Regulars or Seasoned from 1943-1944, and Green, Regulars or Seasoned in 1945. Units from the Reconnaissance or Fusilier Battalion should be one grade higher. Units from the SP panzerjäger companies or pioneer battalion may, at times, be one grade higher.
German Volksgrenadier Division late-44 through 45

Notes:
- From its initial formation, the Volksgrenadier division essentially retained the same configuration through the end of the war. In total, fifty-four Volksgrenadier divisions were formed.
- Artillery assets were typically fielded in a single artillery regiment of four battalions. The artillery regiment was composed of one light battalion, two medium battalions and one heavy battalion. The artillery assets are represented as organic batteries in the infantry regiments. Super heavy batteries (GF131) were fielded as corps and army level assets. They were allocated to the divisions as dictated by the tactical situation.

Typical formation grade would be Green or Regulars. Units from the fusilier company should be one grade higher. Units from the SP panzerjäger companies or pioneer battalion may, at times, be one grade higher.
**Notes:**
- Panzer divisions fielded two panzer regiments.
  - The PzKpfw 35(t) [G-36A] served only in the 6th Panzer Division’s 65th Panzer Battalion.
  - The PzKpfw IIIC [G-10A] may substitute for the PzKpfw IIIC [G-36A]. It did not enter service until after the Battle of France.
- The older model PzKpfw IIIC [G-36A] may substitute for the PzKpfw IIIC [G-10A].
- The older model PzKpfw IIIC [G-35B] may substitute for the PzKpfw IIIC [G-36A].
- The PzKpfw IIIH [G-10A] began appearing in mid-42 and may substitute for the PzKpfw IIIH [G-10A].
- The PzKpfw IIIH [G-12A] began appearing in early-42 and may substitute for the PzKpfw IIIH [G-11B].
- The PzKpfw IVG [G-11B] began appearing in mid-42 and may substitute for the PzKpfw IVF1 [G-11B].
GF3: Panzer Regiment early-43
Regiment HQ: (2) RHQ PzKpfw IVG [G-1B],
(1) PzKpfw III/M [G-1A], (1) FO Section [G-8A], (1) SPW
250/1 [G-5A]

(1) Organic Artillery
(2) Medium Battery [G-7A], (1) Heavy Battery
[G-7A]

(2) Panzer Battalion
Battalion HQ: (2) BHQ PzKpfw IVG [G-1B],
(1) PzKpfw III/M [G-1A], (5) PzKpfw IVG [G-1B]

(1) Recon Panzer Platoon
(3) Recon PzKpfw IIIF [G-9A]

(2) Light Panzer Company
Company HQ: (2) CHQ PzKpfw III/M
[G-1A]

(4) Panzer Platoon
(5) PzKpfw III/M [G-1A]

Notes:
- Panzer divisions fielded one panzer regiment.
- Some panzer regiments fielded three panzer battalions.
- By mid-43, some panzer battalions fielded three medium and one light panzer companies.
- The older models PzKpfw III/M [G-38B] or PzKpfw II/M [G-10A] may substitute for the PzKpfw III/M [G-1A].
- The older models PzKpfw IVF2 [G-12A] or PzKpfw IVF1 [G-11B] may substitute for the PzKpfw IVG [G-1B].
- The PzKpfw III (Fl) [G-21A] began appearing in mid-43 and may substitute for the PzKpfw III/M [G-1A].
- The PzKpfw IVH [G-2A] began appearing in mid-43 and may substitute for the PzKpfw IVG [G-1B].

GF4: Panzer Regiment late-43
Regiment HQ: (2) RHQ PzKpfw V Panther [G-2B],
(1) FO PzKpfw V Panther [G-2B], (4) Recon PzKpfw V
Panther [G-2B]

1 x Organic Artillery
(2) Medium Battery [G-7A], (1) Heavy Battery
[G-7A]

3 x SP Flak Section
(2) 2cm Flakvierling Zgkw 8t [G-43B]

GF5: Panzer Regiment mid-44
Regiment HQ: (2) RHQ PzKpfw V Panther [G-2B],
(1) FC PzKpfw V Panther [G-2B], (6) Recon PzKpfw V Panther
[G-2B]

(1) Organic Artillery
(2) Medium Battery [G-7A], (1) Heavy Battery
[G-7A]

(3) SP Flak Section
(2) Möbelwagen [G-26A]
Notes:
- Panzer divisions fielded one panzer regiment.
- This TO&E denotes the panzer regiment formation (see variations below) for the remainder of the war.
- The PzKpfw IVJ [G-12B] may substitute for the PzKpfw IVH [G-2A].
- The older model PzKpfw IV/G [G17] may substitute for the PzKpfw IV/H [G18].
- The Wirbelwind [G63] may substitute for the 2cm Flakvierling Zgw 8t [G68].
- The 2cm Flak Zgw 1:1 [G66], SPW 251/17 [G71] or Flakpanzer 38(t) [G70] may substitute for the 2cm Flakvierling Zgw 8t [G68].

GF6: (mot) Infantry Regiment early-40

Notes, continued:
- The 3.7cm Flak 36 Gw 8t [G67] may substitute for the Möbelwagen [G65].
- The 3.7cm Flak Zgw 8t [G69] began appearing in late-44 and may substitute for the Möbelwagen [G65].
- The Ostwind [G64] began appearing in early-45 and may substitute for the Möbelwagen [G65].
- By mid-44, many panzer battalions were reduced to three panzer companies of three panzer platoons each for a total of 17 tanks per company.
- By late-44, most panzer platoons in the three panzer companies were reduced to 4 tanks each, further reducing the company total to 14 tanks.
- In the later stages of the war, panzer regiments fielded a single panzer battalion along with a panzergrenadier battalion in a mixed formation.
- In the closing stages of the war, the three panzer companies were finally reduced to three platoons of 3 tanks each, with a single company HQ tank for a total of 10 tanks.
Notes:
- Panzer divisions fielded one (mot) infantry regiment.
- Most (mot) infantry regiments fielded only a single armored infantry company between the three (mot) rifle battalions.
- The 5cm PaK 36 ATG [G-32A] began appearing in late-40 and may substitute for the 3.7cm PaK 36 ATG [G-31B].

(3) Rifle Platoon
(3) Rifle Squad [G-6A],
(1) SPW 251/10 [G-22B],
(2) SPW 251/1 [G-5A]

(1) Weapons Platoon
(1) GW36 Mortar Section [G-8B], (1) Light Truck [G-5B2], (1) HMG Section [G-8B], (1) Light Truck [G-5B2], (1) PzB 39 ATR Section [G-8B], (1) Light Truck [G-5B2]

(2) (mot) Infantry Company
Company HQ: (1) CHQ Infantry ½ Squad [G-8A], (1) Light Truck [G-5B2]

(3) Rifle Platoon
(3) Rifle Squad [G-6A],
(3) Medium Truck [G-5B2]

(1) Weapons Platoon
(1) GW36 Mortar Section [G-8B], (1) Light Truck [G-5B2], (1) HMG Section [G-8B], (1) Light Truck [G-5B2], (1) PzB 39 ATR Section [G-8B], (1) Light Truck [G-5B2]

(1) (mot) MG Company
Company HQ: (1) CHQ Infantry ½ Squad [G-8A], (1) Light Truck [G-5B2]

(1) Mortar Platoon
(3) GW34 Mortar Section [G-8B], (3) Light Truck [G-5B2]

(1) HMG Platoon
(4) HMG Section [G-8B],
(4) Light Truck [G-5B2]

(1) Heavy Weapons Company
Company HQ: (1) CHQ Infantry ½ Squad [G-8A], (1) Light Truck [G-5B2]

(1) Lt. Gun Platoon
(2) 7.5cm leIG [G-33B],
(2) SdKfz 10 [G-5B1] or
(2) Light Truck [G-5B2]

(1) Pionnier Platoon
(3) Engineer Rifle Squad [G-8A], (3) Medium Truck [G-5B2]

(1) (mot) Panzerjäger Platoon
(3) 3.7cm PaK 36 ATG [G-31B], (3) SdKfz 10 [G-5B1] or
(3) Light Truck [G-5B2]

(1) Organic Artillery
(1) Medium Battery [G-7A], (1) Heavy Battery [G-7A]

(1) Recon Motorcycle Platoon
(3) Recon SMG Motorcycle Squad [G-8A] or
(3) Recon Rifle Motorcycle Squad [G-8A]

(1) Armored Infantry Company
Company HQ: (1) CHQ Infantry ½ Squad [G-8A], (1) SPW 251/1 [G-5A] or
(1) SPW 251/10 [G-22B]

(3) Rifle Platoon
(3) Rifle Squad [G-8A],
(1) SPW 251/10 [G-22B],
(2) SPW 251/1 [G-5A]
Notes, continued:
- The older 3.7cm PaK 35 ATG [G-31B] may substitute for the 5cm PaK 38 ATG [G-32A].
- Starting in 1942, the GrW34 [G-8B] began replacing the GrW36 [G-8B].
- By early-42, the PzB 39 ATR [G-8B] was removed from most formations.

GF8: Panzergrenadier Regiment (gepanzert) early-43
Regiment HQ: (2) RHQ Infantry Squad [G-8A], (2) SPW 251/1 [G-5A], (1) Rifle Squad [G-8A], (1) SPW 251/1 [G-5A], (1) FO Section [G-5A], (1) SPW 250/1 [G23A]

(1) Organic Artillery
- (2) Medium Battery [G-7A], (1) Heavy Battery [G-7A]

(1) Recon Motorcycle Platoon
- (3) Recon 6M Motorcycle Squad [G-8A] or (3) Recon Rifle Motorcycle Squad [G-8A]

(1) (mot) Panzerjäger Platoon
- (3) 7.5cm PaK 40 ATG [G-6B], (3) SdKfz 11 [G-5B2] or (3) Medium Truck [G-5B2]

(2) Grille 33 [G-20B]

(1) SP FlaK Battery
- Battery HQ: (1) CHQ Infantry ½ Squad [G-8A], (1) Light Truck [G-5B2]

(3) SP FlaK Platoon
- (4) 2cm Flak Zgw 11 [G-29B]

(1) Pionier Company (gepanzert)
Company HQ: (1) CHQ Infantry ½ Squad [G-8A], (1) SPW 251/1 [G-5A]

(2) Pionier Platoon (gepanzert)
- (3) Engineer Rifle Squad [G-8A], (3) SPW 251/1 [G-5A]

(1) (mot) Pionier Platoon
- (3) Engineer Rifle Squad [G-8A], (3) Medium Truck [G-5B2]

(1) Weapons Platoon
- (1) HMG Section [G-8B], (1) Light Truck [G-5B2], (1) GrW34 Mortar Section [G-8B], (1) Light Truck [G-5B2]
PANZER German TO&E

Battalion HQ: (1) BHQ Infantry Squad [G-8A], (1) SPW 251/1 [G-5A], (1) Rifle Squad [G-8A], (1) SPW 251/1 [G-5B], (1) FO Section [G-8A], (1) SPW 250/1 [G-23A]

(1) Attached Artillery
(1) Medium Battery [G-7A]

(3) Panzergrenadier Company (gepanzert)

Company HQ: (1) CHQ Infantry ½ Squad [G-8A], (1) SPW 251/1 [G-5A]

(3) Rifle Platoon
(3) Rifle Squad [G-8A], (1) SPW 251/10 [G-22B], (2) SPW 251/1 [G-6A]

(1) Weapons Platoon
(2) SPW 251/2 [G-21B], (2) HMG Section [G-8B], (2) SPW 251/1 [G-5A], (2) SPW 251/0 [G-22A]

(1) Heavy Weapons Company

Company HQ: (1) CHQ Infantry ½ Squad [G-8A], (1) SPW 251/1 [G-5A]

(1) (mot) Panzergrenadier Platoon
(3) 7.5cm PaK 40 ATG [G-6B], (3) SdKfz 11 [G-5B1] or (3) Medium Truck [G-5B2]

(2) SP Gun Platoon
(3) SPW 251/9 [G-22A]

(1) (mot) Panzergrenadier Battalion

Battalion HQ: (1) BHQ Infantry Squad [G-8A], (1) Medium Truck [G-5B2], (1) Rifle Squad [G-8A], (1) Medium Truck [G-5B2], (1) FO Section [G-8A], (1) Light Truck [G-5B2]

(1) Attached Artillery
(1) Medium Battery [G-7A]

(1) (mot) Panzergrenadier Platoon
(3) 7.5cm PaK 40 ATG [G-6B], (3) SdKfz 11 [G-5B1] or (3) Medium Truck [G-5B2]

Company HQ: (1) CHQ Infantry ½ Squad [G-8A], (1) Light Truck [G-5B2]

(3) Rifle Platoon
(3) Rifle Squad [G-8A], (3) Medium Truck [G-5B2]

(1) Weapons Platoon
(1) GrW34 Mortar Section [G-8B], (1) Light Truck [G-5B2], (2) HMG Section [G-8B], (2) Light Truck [G-5B2]

Notes:
- Panzer divisions fielded one panzergrenadier regiment (gepanzert).
- The 8.8cm PaK 43 ATG [G-32B] began appearing in early-44 and may substitute for the 7.5cm PaK 40 ATG [G-6B].
- The older 5cm PaK 38 ATG [G-32A] may substitute for the 7.5cm PaK 40 ATG [G-6B] in 1943.
- The Flakpanzer 38(t) [G-44B] and the SPW 251/17 [G-30B] both began appearing in late-43 and may substitute for the 2cm FlaK Zgkw 1t [G-29B].
- The Zgkw 5t 3.7cm FlaK [G-30A] may substitute for the 2cm FlaK Zgkw 1t [G-29B].
- The Grille 33/1 [G39B] began appearing in mid-43 and may substitute for the Grille 33 [G-20B].
- The Brummbar [G-20A] began appearing in mid-43 and may substitute for the Grille 33 [G-20B].
- The SPW 250/1 [G-23A] or SPW 250/10 [G-25A] may substitute for the SPW 251/1 [G-5A] in the panzergrenadier company (gepanzert) and pioneer company (gepanzert) HQs.
- The SPW 251/17 [G-30B] began appearing in late-43 and may substitute for the SPW 251/10 [G-22B].
- From late-43, all infantry, rifle, and SMG squads and ½ squads may carry panzerfausts.

GF9: (mot) Panzergrenadier Regiment early-43

Regiment HQ: (2) RHQ Infantry Squad [G-8A], (2) Medium Truck [G-5B2], (1) Rifle Squad [G-8A], (1) Medium Truck [G-5B2], (1) FO Section [G-8A], (1) Light Truck [G-5B2]

(1) Organic Artillery
(2) Medium Battery [G-7A], (1) Heavy Battery [G-7A]

(1) Recon Motorcycle Platoon
(3) Recon SMG Motorcycle Squad [G-8A] or (3) Recon Rifle Motorcycle Squad [G-8A]

(3) SP Heavy Gun Platoon
(2) Grille 33 [G-20B]

(1) (mot) Panzergrenadier Platoon
(3) 7.5cm PaK 40 ATG [G-6B], (3) SdKfz 11 [G-5B1] or (3) Medium Truck [G-5B2]
Notes:

- Panzer divisions fielded one (mot) Panzerjäger regiment.
- The 8.8cm PaK 43 ATG [G-323] began appearing in early-44 and may substitute for the 7.5cm PaK 40 ATG [G-6B].
- The older 5cm PaK 38 ATG [G32A] may substitute for the 7.5cm PaK 40 ATG [G-6B] in 1943.
Notes, continued:
- The Flakpanzer 38(t) [G-44B], SPW 251/17 [G-71] or the 3.7cm Flak Zgkw St [G-30A] may substitute for the 2cm Flak Zgkw 1t [G-29B].
- The SPW 250/1 [G-23A] or SPW 250/10 [G-25A] may substitute for the SPW 251/1 [G-5A] in the panzer grenadier company (gepanzert) and pioneer company (gepanzert) HQs.
- The SPW 251/17 [G-30B] may substitute for the SPW 251/10 [G-22B].
- All infantry, rifle, and SMG squads and ½ squads may carry panzerfausts.

GF11: (mot) Panzergrenadier Regiment mid-44

Regiment HQ: (2) RHQ Infantry Squad [G-8A], (2) Medium Truck [G-5B2], (3) Recon Motorcycle Squad [G-6A] or (3) Recon Rifle Motorcycle Squad [G-6A]

Notes:
- Panzer divisions fielded one panzergrenadier regiment (gepanzert).
- This TO&E denotes the panzergrenadier regiment (gepanzert) formation for the remainder of the war.
- The 8.8cm PaK 43 ATG [G-32B] may substitute for the 7.5cm PaK 40 ATG [G-6B]
**Notes:**
- Panzer divisions fielded one (mot) Panzergrenadier regiment.
- This TO&E denotes the (mot) Panzergrenadier regiment formation for the remainder of the war.
- The 8.8cm PaK 43 ATG [G-32B] may substitute for the 7.5cm PaK 40 ATG [G-6B].
- The Flakpanzer 38(t) [G-44B], SPW 251/17 [G-30-8] or the 3.7cm Flak Zkw 5t [G-30A] may substitute for the 2cm Flak Zkw 11t [G-29B].
- The Grille 33/1 [G-30B] may substitute for the Grille 33 [G20B].
- All infantry, rifle, and SMG squads and ½ squads may carry panzerfausts.

**GF12: (mot) Infantry Regiment early-40**

Regiment HQ: (2) RHQ Infantry Squad [G-6A], (2) Medium Truck [G-5B2], (1) Rifle Squad [G-6A], (1) Medium Truck [G-5B2], (1) FO Section [G-8A], (1) Light Truck [G-5B2]

- **(1) Organic Artillery**
  - (2) Medium Battery [G-7A], (1) Heavy Battery [G-7A]

- **(1) Gun Company**
  - Company HQ: (1) CHQ Infantry ½ Squad [G-8A], (1) Light Truck [G-5B2]

- **(4) Lt. Gun Platoon**
  - (2) 7.5cm leIG [G-33B], (2) StKfz 10 [G-5B1] or (2) Light Truck [G-5B2]

**GF13: (mot) Infantry Regiment mid-41**

Regiment HQ: (2) Command Infantry Squad [G85], (2) Medium Truck [G73], (1) Rifle Squad [G85], (1) Medium Truck [G73], (1) OP Section [G66], (1) Light Truck [G73]

- **(1) Organic Artillery**
  - (2-3) Medium Battery [G-7A], (1-2) Heavy Battery [G-7A]

- **(1) Recon Motorcycle Platoon**
  - (3) Recon SMG Motorcycle Squad [G-6A] or (3) Recon Rifle Motorcycle Squad [G-8A]

- **(1) Pionier Platoon**
  - (3) Engineer Rifle Squad [G-8A], (3) Medium Truck [G-5B2]

**Company HQ:**
- (1) CHQ Infantry ½ Squad [G-8A], (1) Light Truck [G-5B2]
- **(3) Rifle Platoon**
  - (3) Rifle Squad [G-6A], (3) Medium Truck [G-5B2]
- **(1) Weapons Platoon**
  - (1) GrW34 Mortar Section [G-8B], (1) Light Truck [G-5B2], (2) HMG Section [G-8B], (2) Light Truck [G-5B2], (1) PzB 39 ATR Section [G-8B], (1) Light Truck [G-5B2]

**(3) Infantry Company**

**Company HQ:**
- (1) CHQ Infantry ½ Squad [G-8A], (1) Light Truck [G-5B2]
- **(3) Rifle Platoon**
  - (3) Rifle Squad [G-6A], (3) Medium Truck [G-5B2]
- **(1) Weapons Platoon**
  - (1) GrW34 Mortar Section [G-8B], (1) Light Truck [G-5B2], (2) HMG Section [G-8B], (2) Light Truck [G-5B2], (1) PzB 39 ATR Section [G-8B], (1) Light Truck [G-5B2]

**(1) MG Company**

**Company HQ:**
- (1) CHQ Infantry ½ Squad [G-8A], (1) Light Truck [G-5B2]
- **(1) Mortar Platoon**
  - (3) GrW34 Mortar Section [G-8B], (3) Light Truck [G-5B2]
- **1 x HMG Platoon**
  - (4) HMG Section [G-8B], (4) Light Truck [G-5B2]

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Notes:
- Panzergrenadier divisions fielded two panzergrenadier regiments.
- The older 5cm PaK 38 ATG [G-32A] may substitute for the 7.5cm PaK 40 ATG [G-5B].
- The 3.7cm Flak ZgKw 5t [G-30A] may substitute for the 2cm Flak ZgKw 1t [G-29B].
- All infantry, rifle, and SMG squads and ½ squads may carry panzerfausse.
Notes:
- Panzergrenadier divisions fielded two panzergrenadier regiments.
- This TO&E denotes the panzergrenadier regiment formation for the remainder of the war.
  - The 8.8cm PaK 43 ATG [G-32B] may substitute for the 7.5cm PaK 40 ATG [G-6B]
  - The Flakpanzer 38(t) [G-44B], SPW 251/17 [G-30B] or the 3.7cm Flak Zgkw 5t [G-30A] may substitute for the 2cm Flak Zgkw 1t [G-29B].
  - All infantry, rifle, and SMG squads and ½ squads may carry panzerfausts.

GF16: Infantry Regiment early-40
Regiment HQ: (2) RHQ Infantry Squad [G-6A], (2) Medium Truck [G-5B2], (1) Rifle Squad [G-6A], (1) Medium Truck [G-5B2], (1) FO Section [G-6A], (1) Light Truck [G-5B2]

(1) Organic Artillery
(2) Medium Battery [G-7A], (1) Heavy Battery [G-7A]
Notes:
- Infantry divisions fielded three infantry regiments.
- The 5cm PaK 38 ATG [G-32A] began appearing in late-40 and may substitute for the 3.7cm PaK 36 ATG [G-31B].

GF17: Infantry Regiment mid-41
Regiment HQ: (2) RHQ Infantry Squad [G-8A], (2) Medium Truck [G-5B2], (1) Rifle Squad [G-8A], (1) Medium Truck [G-5B2], (1) FO Section [G-8A], (1) Light Truck [G-5B2]

(1) Organic Artillery
(2) Medium Battery [G-7A], (1) Heavy Battery [G-7A]

(1) Recon Bicycle Platoon
(3) Recon SMG Bicycle Squad [G-8A] or (3) Recon Rifle Bicycle Squad [G-8A]

(3) Panzerjäger Platoon
(3) 3.7cm PaK 36 ATG [G-31B], (3) SdKfz 10 [G-5B1] or (3) Light Trunk [G-5B2]

(1) Panzerjäger Platoon
(3) 5cm PaK 38 ATG [G-32A], (2) SdKfz 10 [G-5B1] or (2) Light Trunk [G-5B2]

GF18: Infantry Regiment late-43
Regiment HQ: (2) RHQ Infantry Squad [G-8A], (2) Medium Truck [G-5B2], (1) Rifle Squad [G-8A], (1) Medium Truck [G-5B2], (1) FO Section [G-8A], (1) Light Truck [G-5B2]

(1) Organic Artillery
(2) Medium Battery [G-7A], (1) Heavy Battery [G-7A]

(1) Recon Bicycle Platoon
(3) Recon SMG Bicycle Squad [G-8A] or (3) Recon Rifle Bicycle Squad [G-8A]
Notes:
- Infantry divisions fielded three infantry regiments.
- This TO&E denotes the infantry regiment formation for the remainder of the war.
- The 8.8cm Pak 43 ATG [G-32B] began appearing in early-44 and may substitute for the 7.5cm Pak 40 ATG [G-68].
- The older 5cm Pak 38 ATG [G-32A] may substitute for the 7.5cm Pak 40 ATG [G-68].
- The panzerkorps platoons were typically allocated as assets to the infantry companies.
- All infantry, rifle, and SMG squads and ½ squads may carry panzerfausts.

GF19: Volksgrenadier Regiment late-44
Regiment HQ: (2) RHQ Infantry Squad [G-8A], (2) Medium Truck [G-5B2], (1) Rifle Squad [G-8A], (1) Medium Truck [G-5B2], (1) FO Section [G-8A], (1) Light Truck [G-5B2]
Notes:
- Volksgrenadier infantry divisions fielded three volksgrenadier infantry regiments.
- This TO&E denotes the volksgrenadier infantry regiment formation for the remainder of the war.
- The panzerjäger platoons were typically allocated as assets to the infantry companies.
- All infantry, rifle, and SMG squads and ½ squads may carry panzerfausts.

GF20: Panzer Kampfgruppe late-43
(1) Organic Artillery
(2) Medium Battery [G-7A], (1) Heavy Battery [G-7A]
(3) SP FlaK Section (2) 2cm Flakvierling Zgkw 8t [G-43B]
(1) Recon Pionier Platoon
(3) Recon Engineer Rifle Squad [G-8A], (3) Recon SPW 251/1 [G-5A]
(1) Heavy Panzer Platoon
(4) PzKpfw VI/E Tiger I [G-3A]
(1) SP Panzerjäger Company
Company HQ: (2) CHQ Marder III [G-13B]
(3) Panzerjäger Platoon
(4) Marder III [G-13B]
(2) SP FlaK Section
(2) Flakpanzer 38(t) [G-44B]
(1) Panzer Aufklärungs Company
Company HQ: (2) CHQ Recon SPW 250/9 [G-21B]
(1) Panzer Aufklärungs Platoon
(6) Recon PSW 234/1 [G-41A]
(1) Lt. Panzer Aufklärungs Platoon
(6) Recon SPW 250/9 [G-24B]
(3) Panzer Battalion
Battalion HQ: (3) Bhq Pzkpfw IV/H [G-2A]

(1) Panzer Battalion
Battalion HQ: (3) Bhq Pzkpfw IV/H [G-2B]

(3) Panzer Company
Company HQ: (2) Chq Pzkpfw IV/H [G-2B]

(4) Panzer Platoon
(5) Pzkpfw IV/P [G-2A]

(1) Panzer Platoon
(5) Recon Pzkpfw IV/P [G-2B]

(3) Panzer Company
Company HQ: (2) Chq Pzkpfw V Panther [G-2B]

(4) Panzer Platoon
(5) Pzkpfw V Panther [G-2B]

(1) Panzergrenadier Battalion (gepanzert)
Battalion HQ: (1) Bhq Infantry Squad [G-8A], (1) SPW 251/1 [G-5A], (1) Rifle Squad [G-8A], (1) SPW 251/1 [G-5A], (1) F/O Section [G-8A], (1) SPW 251/1 [G-5A]

(1) Attached Artillery
(1) Medium Battery [G-7A]
Notes:
- This TO&E represents an example regimental Panzerkampfgruppe formation. It is applicable up to and including mid-44.
- The older model PzKpfw IV/G [G17] or PzKpfw IV/F2 [G16] may substitute for the PzKpfw IV/H [G18].
- The PzKpfw IV/J [G-12B] (or 2cm Flak 38) may substitute for the PzKpfw IV/H (G2-A)
- The PzKpfw IV/J TIGER II [G22] began appearing in early-44 and may substitute for the PzKpfw IV/E TIGER I (G21).
- The 2cm Flak 38 or 3.7cm Flak 38 may substitute for the 2cm Flak 38 (G66) or 3.7cm Flak 38 (G67).
- The FLAK 39 or FLAK 38 may substitute for the FLAK 38 (G66) or 3.7cm Flak 38 (G67)
This TO&E represents an example regimental panzergrenadier kampfgruppe formation. It is applicable up to mid-44.

- The 8.8cm PaK 43/41 ATG [G79] began appearing in early-44 and may substitute for the 7.5cm PaK 40 ATG [G78].
- The older 5cm PaK 38 ATG [G77] may substitute for the 7.5cm PaK 40 ATG [G78].
- The 3.7cm Flak 36 Flak Zgkw 5t [G67] may substitute for the 2cm Flak Zgkw 1t [G66].
- The older model Grille 33 [G40] may substitute for the Grille 33/1 [G41].
- The StuG IV [G31], Heizert [G36], Jagdpanther [G34], Jagdpanzer IV [G32], and StuG IV [G31] all began appearing in early-44 and may substitute for the Marder III [G25].
- The Marder II [G24], StuG III/G [G29], or Nashorn [G35] may substitute for the Marder III [G25].
- All infantry, rifle, and SMG squads and ½ squads may carry panzerfausts.
**GF100: Panzer Battalion mid-42**

Battalion HQ: (2) BHQ PzKpfw III/M [G-1A]

(1) Recon Panzer Platoon
(5) Recon PzKpfw II/F [G-9A]

(2) Light Panzer Company
Company HQ: (2) CHQ PzKpfw III/M [G-1A]

(3) Panzer Platoon
(4) PzKpfw IV/G [G-1B]

(1) Medium Panzer Company
Company HQ: (2) CHQ PzKpfw III/M [G-1A]

(1) Panzer Platoon
(5) PzKpfw II/F [G-9A]

(2) Panzer Platoon
(4) PzKpfw IV/G [G-1B]

**Notes:**
- Panzergrenadier divisions fielded one panzer battalion.
- The older model PzKpfw IIIC [G-35B] may substitute for the PzKpfw IIF [G-9A].
- The older models PzKpfw II [G-13B], PzKpfw IIIG [G-10A] or PzKpfw IIIF [G-38A] may substitute for the PzKpfw IIIM [G-1A].
- The older model PzKpfw IVF1 [G-11B], PzKpfw IVF2 [G-12A], PzKpfw IVF3 [G-11A], or PzKpfw IVD [G-30A] may substitute for the PzKpfw IVG [G-1B].
- The PzKpfw III (F) [G-21A] began appearing in mid-43 and may substitute for the PzKpfw IIIM [G-1A].
- The PzKpfw IVH [G-2A] began appearing in early-43 and may substitute for the PzKpfw IVG [G-1B].

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**GF102: Armored Battalion mid-44**

Battalion HQ: (2) BHQ STuG III/G [G-48], (1) STuG IIIG [G-48]

(2) SP FlaK Section
(2) Möbelwagen [G-29A]

(1) Recon Platoon
(4) Recon PSW 234/1 [G-41A]

(3) Strumgeschütz Battery
Company HQ: (2) CHQ STuG III/G [G-48]

(1) Strumgeschütz Platoon
(3) Strumgeschütz Platoon
(4) STuG IIIG [G-48]

**Notes:**
- Panzergrenadier divisions fielded one armored battalion.
- This TO&E represents the armored battalion formation for the remainder of the war.
- The STuH 42 [G-15B] may substitute for the STuG IIIG [G-48] in limited numbers. Typically, no more than one platoon per battery.
- The STuG IV [G-16A] began appearing in early-44 and may substitute for the STuG IIIC [G-48].
- The PSW 234/1 [G-41A] may substitute for the PSW 234/1 [G-41A].
- The PSW 234/3 [G-42A] began appearing in late-44 and may substitute for the PSW 234/1 [G-41A].

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**GF103: Heavy Tank Battalion mid-42**

Battalion HQ: (2) BHQ PzKpfw V/E Tiger I [G-3A], (1) PzKpfw IIJ [G-38B]

(1) Panzer Platoon
(5) PzKpfw III N [G-10B]

(3) Heavy Panzer Company
Company HQ: (1) CHQ PzKpfw V/E Tiger I [G-3A], (2) PzKpfw IIJ [G-38B]

(4) Heavy Panzer Platoon

**Notes:**
- Panzergrenadier divisions fielded one armored battalion.
- The STuH 42 [G-15B] may substitute for the STuG IIIG [G-48] in limited numbers. Typically, no more than one platoon per battery.
- The STuG IV [G-16A] began appearing in early-44 and may substitute for the STuG IIIC [G-48].
- Due to a shortage of Tiger I, many battalions fielded only two companies.
- The various models of PzKpfw III may substitute freely for all of the listed models.
- The older models PzKpfw IVF1 [G-11B], PzKpfw IVF2 [G-12A], PzKpfw IVF3 [G-11A], or PzKpfw IVD [G-30A] may substitute for the PzKpfw III N [G-10B].
**GF104: Heavy Tank Battalion mid-43**

**Battalion HQ:** (2) BHQ PzKpfw VIE Tiger I [G-3A], (1) PzKpfw VIE Tiger I [G-3A]

- (1) SP FlaK Platoon
- (3) 2cm FlaK Zgkw 1t [G-29B]

**Notes:**
- Heavy panzer battalions typically served as independent formations as well as attached to the panzer division as company level formations.
- This TO&E represents the heavy panzer battalion formation for the remainder of the war.
- The PzKpfw VIE Tiger II [G-3B] began appearing in early-44 and may substitute for the PzKpfw VIE Tiger I [G-3A].
- The Flakpanzer 38(t) [G-44B] and SPW 251/17 [G-306] both began appearing in late-43 and may substitute for the 2cm FlaK Zgkw 1l [G-29B].
- The three flak vehicles were typically allocated as assets to the heavy panzer company headquarters.

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**GF105: (mot) Anti-Tank Battalion early-40**

**Battalion HQ:** (1) BHQ Infantry Squad [G-8A], (1) Medium Truck [G-5B2], (1) Rifle Squad [G-8A], (1) Medium Truck [G-5B2]

- (3) (mot) Anti-Tank Company
  - (3) (mot) Anti-Tank Platoon
  - (4) 3.7cm PaK 36 [G-31B], (4) SdKfz 10 [G-5B1] or (4) Light Truck [G-5B2]

**Notes:**
- Panzer, (mot) infantry and infantry divisions fielded a single panzerjäger battalion.
- The three flak platoons were typically fielded as part of the panzerjäger companies.
- The 3.7cm PaK 36 ATG [G-318] began appearing in late-41 and may substitute (including heavier transport) for the 3.7cm PaK 36 ATG [G-31B] or the 5cm PaK 38 [G-32A].
- The older 3.7cm PaK 36 ATG [G-31B] may substitute for the 5cm PaK 38 ATG [G-32A].
Notes:
- Panzer, panzernegadiert, infantry, and volksnegadiert divisions fielded a single panzernegadiert battalion composed of a total of three SP or (mot) Panzerjäger companies.
- The three flak platoons were typically fielded as part of the Panzerjäger companies.
- The 8.8cm PaK 43 ATG [G-32B] began appearing in early-44 and may substitute for the 7.5cm PaK 40 ATG [G-6B].
- The older 5cm PaK 38 ATG [G-32A] may substitute for the 7.5cm PaK 40 ATG [G-6B].
- The 3.7cm FlaK Zgkw 5t [G-30A] may substitute for the 2cm FlaK Zgkw 1t [G-29B].
- The Nashorn [G-18A], Marder III [G-13B], Marder III 76(r) [G-14A], StuG III[a] [G-4B] or StuG III[b] [G-15A] may substitute for the Marder II [G-4A].
- The Hetzer [G-16B], Jagdpanther [G-17B], Jagdpanzer IV [G-16B], and StuG IV [G-15A] all began appearing in early-44 and may substitute for the Marder II [G-4A].
- The Elefant [G-16A], which began appearing in early-43, was issued only to the independent schwere Panzerjägerabteilungen 653 and 654.

GF109: Motorcycle Battalion early-40

Battalion HQ: (1) HQ Recon Infantry Squad [G-8A], (1) Medium Truck [G-5B2], (1) Recon Rifle Squad [G-8A], (1) Medium Truck [G-5B2], (1) Recon FO Section [G-8A], (1) Light Truck [G-5B2]

GF108: Panzerjäger Battalion mid-44

Battalion HQ: (1) HQ Recon Infantry Squad [G-8A], (1) Medium Truck [G-5B2], (1) Recon Rifle Squad [G-8A], (1) Medium Truck [G-5B2]

(1) Recon Aufklärungs Platoon
(4) Recon PSW 234/1 [G-41A]

(2) SP Panzerjäger Company

Company HQ: (2) CHQ Jagdpanzer IV [G-16B]

(3) SP Panzerjäger Platoon
(4) Jagdpanzer IV [G-16B]

(1) (mot) Panzerjäger Company

Company HQ: (1) CHQ Infantry ½ Squad [G-8A], (1) Light Truck [G-5B2]

(3) (mot) Panzerjäger Platoon
(4) 7.5cm PaK 40 ATG [G-8B], (4) Sdkfz 11 [G-5B1] or (4) Medium Truck [G-5B2]

Notes:
- Panzer and panzernegadiert fielded a single panzernegadiert battalion.
- This TO&E represents the panzernegadiert battalion formation for the remainder of the war.
- The 8.8cm PaK 43 ATG [G-32B] may substitute for the 7.5cm PaK 40 ATG [G-6B].
- The older 5cm PaK 38 ATG [G-32A] may substitute for the 7.5cm PaK 40 ATG [G-6B].
- The FSW 234/4 [G-42B] began appearing in late-44 and may substitute for the FSW 234/1 [G-41A].
- The Jagdpanzer [G-19B], which began appearing in mid-44 in very limited numbers, was issued only to the independent schwere Panzerjägerabteilung 512 and schwere Panzerjägerabteilung 653; it may substitute for the Jagdpanzer IV [G-32].
**GF110: Motorcycle Battalion early-42**

**Battalion HQ:** (1) HQ Reconn Infantry Squad [G-8A], (1) Medium Truck [G-5B2], (1) Recon Rifle Squad [G-8A], (1) Medium Truck [G-5B2], (1) Recon FO Section [G-8A], (1) Light Truck [G-5B2]

(1) Armored Car Company

**Company HQ:** (1) CHQ Recon PSW 221 [G-25B]

(1) Heavy Armored Car Platoon

(6) Recon PSW 231 [G-27A]

(2) Armored Car Platoon

(6) Recon PSW 222 [G-26B]

(3) Motorcycle Recon Company

**Company HQ:** (1) CHQ Recon Infantry Motorcycle ½ Squad [G-8A]

(3) Recon Rifle Motorcycle Squad [G-8A]

(1) Weapons Platoon

(1) Recon GW36 Mortar Motorcycle Section [G-6B], (1) Recon HMG Motorcycle Section [G-6B], (1) Recon PzB 39 ATR Motorcycle Section [G-6B]

(1) Heavy Weapons Company

**Company HQ:** (1) CHQ Recon Infantry ½ Squad [G-8A], (1) Light Truck [G-5B2]

**Notes:**
- Panzer and (mot) infantry divisions fielded a single motorcycle battalion.
- The 5cm PaK 38 ATG [G-32A] began appearing in late-40 and may substitute for the 3.7cm PaK 36 ATG [G-31B].

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**GF111: Reconnaissance Battalion early-40**

**Battalion HQ:** (1) HQ Reconn Infantry Squad [G-8A], (1) Medium Truck [G-5B2], (1) HQ Recon PSW 231 [G-27A], (1) Recon PSW 221 [G-25B], (1) Recon FO Section [G-8A], (1) Light Truck [G-5B2]

(2) Armored Car Company

**Company HQ:** (1) CHQ Recon PSW 221 [G-25B]

(1) Heavy Armored Car Platoon

(6) Recon PSW 231 [G-27A]

(2) Armored Car Platoon

(6) Recon PSW 222 [G-26B]

(1) Armored Car Company

**Company HQ:** (1) CHQ Recon Infantry Motorcycle ½ Squad [G-8A]

(3) Recon Rifle Motorcycle Squad [G-8A]

(1) Weapons Platoon

(1) Recon GW36 Mortar Motorcycle Section [G-6B], (1) Recon HMG Motorcycle Section [G-6B], (1) Recon PzB 39 ATR Motorcycle Section [G-6B]

(1) Motorcycle Recon Company

**Company HQ:** (1) CHQ Recon Infantry Motorcycle ½ Squad [G-8A]

**Notes:**
- (mot) infantry divisions fielded a single motorcycle battalion.
- The PSW 221 [G-25B] may substitute for the PSW 222 [G-26B].
- The PSW 221 sPzB [G-26A] began appearing in late-41 and may substitute for the PSW 222 [G-26B].
- The 2.8cm sPzB41 ATG [G-31A] may substitute for the 5cm PaK 38 ATG [G-32A].
- The older 3.7cm PaK 36 ATG [G-31B] may substitute for the 5cm PaK 38 ATG [G-32A].
- Starting in 1942, the GrW36 Mortar Section [G-8B] began replacing the GrW36 Mortar Section [G-8B].
- By early-42, the PzB 39 ATR Section [G-8B] was removed from most formations.
Notes:
- Panzer and (mot) infantry divisions fielded a single reconnaissance battalion.
- The 5cm PaK 38 ATG [G-32A] began appearing in late-40 and may substitute for the 3.7cm PaK 36 ATG [G31B].

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GF112: Reconnaissance Battalion mid-41


(1) Armored Car Company
Company HQ: (1) CHQ Recon PSW 221 [G54]

(1) Heavy Armored Car Platoon
(6) Recon PSW 231 [G-27A]

(2) Armored Car Platoon
(6) Recon PSW 222 [G-26B]

(1 or 2) Motorcycle Recon Company
Company HQ: (1) CHQ Recon Infantry Motorcycle ½ Squad [G-8A]

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Notes:
- Panzer divisions fielded a single reconnaissance battalion.
- The PSW 221 [G-25B] may substitute for the PSW 222 [G-26B].
- The PSW 221 sPzB [G-26A] began appearing in late-41 and may substitute for the PSW 222 [G-26B].
- The 7.5cm PaK 40 ATG [G-6B] began appearing in late-41 and may substitute (including heavier transport) for the 5cm PaK 38 ATG [G-32A].
- The 2.8cm sPzB41 ATG [G-31A] may substitute for the 5cm PaK 38 ATG [G-32A].
- The older 3.7cm PaK 36 ATG [G-31B] may substitute for the 5cm PaK 38 ATG [G-32A].
- Starting in 1942, the GrW36 Mortar Section [G-8B], including wheeled transport, began replacing the GrW36 Mortar Section [G-8B].
- By early-42, the PzB 39 ATR Section [G-8B] was removed from most formations.

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GF113: Reconnaissance Battalion mid-43


(1) Armored Car Company
Company HQ: (1) CHQ, Recon PSW 221 [G-25B]

(1) Heavy Armored Car Platoon
(6) Recon PSW 231 [G-27A]

(2) Armored Car Platoon
(6) Recon PSW 222 [G-26B]

(1) Armored Car (HT) Company
Company HQ: (1) CHQ, Recon Infantry ½ Squad [G-8A], (1) Recon SPW 250/1 [G-23A]

(4) Armored Car (HT) Platoon
(4) Recon SPW 250/9 [G-24B]

(1) Recon (HT) Company
Company HQ: (1) CHQ, Recon Infantry ½ Squad [G-8A], (1) Recon SPW 250/1 [G-23A]

(3) Recon (HT) Platoon
(6) Recon Rifle ½ Squad [G-8A], (6) Recon SPW 250/1 [G-23A]

(1) Recon (HT) Weapons Platoon
(4) Recon SPW 250/7 [G-23B], (2) Recon SPW 250/6 [G-24A]

(1) Recon Motorcycle Company
Company HQ: (1) CHQ, Recon Infantry Motorcycle ½ Squad [G-8A]

(3) Recon Motorcycle Platoon
(3) Recon Rifle Motorcycle Squad [G-8A]

(1) Weapons Platoon
(1) Recon GrW34 Mortar Section [G-8B], (1) Light Truck [G-5B2], (2) Recon HMG Motorcycle Section [G-8A]

GF114: Reconnaissance Battalion mid-43


(1) Armored Car Company
Company HQ: (1) CHQ, Recon PSW 221 [G-25B]

(6) Recon PSW 231 [G-27A]

(1) Heavy Weapons Company
Company HQ: (1) CHQ, Recon Infantry ½ Squad [G-8A], (1) Light Truck [G-5B2]

(3) Engineer Recon Rifle Squad [G-8A], (1) Recon SPW 251/10 [G-22B], (2) Recon SPW 251/1 [G-5A]

(1) Rifle Platoon
(3) Recon Rifle Squad [G-8A], (1) Recon SPW 251/10 [G-22B], (2) Recon SPW 251/1 [G-5A]

(2) SP Gun Section
(3) Recon PSW 250/8 [G-24A]

(1) (mot) Anti-Tank Platoon
(3) Recon 75mm Pak 40 ATG [G-6B], (3) SdKfz 11 [G-5B1] or (3) Medium Truck [G-5B2]

(1) Infantry Gun Platoon
(3) Recon 75mm L/60 [G-33B], (3) Light Truck [G-5B2]

Notes:
- Panzer divisions fielded a single reconnaissance battalion.
- The PSW 221 [G-25B] may substitute for the PSW 222 [G-26B].
- The PSW 221 sPzB [G-26A] may substitute for the PSW 222 [G-26B].
  - The 8.8cm PaK 43/44 ATG [G-32B] began appearing in early-44 and may substitute for the 7.5cm PaK 40 ATG [G-63].
  - The older 5cm Pak 38 ATG [G-32A] may substitute for the 7.5cm PaK 40 ATG [G-6B].
  - By late-43, the recon motorcycle company was dropped from most recon battalions.
- From late-43, all infantry and rifle squads and ½ squads may carry panzerfausts.
Notes:
- Panzer divisions fielded a single reconnaissance battalion.
- This TO&E represents the panzer division reconnaissance battalion formation for the remainder of the war (see below).
- Reconnaissance battalions typically fielded four companies, the heavy weapons company plus any three of the other six companies listed with a [1] quantity.
  - The PSW 253/4 [G-42A] began appearing in late-44 and may substitute for the PSW 253/3 [G-42A].
  - The PzKpfw 38(t) Aufklärer [G-37A] may substitute for the PSW II Luchs [G-37A].
  - The PSW 250/11 [G-40B] may substitute for the PSW 250/10 [G-25A].
- All infantry and rifle squads and 1/2 squads may carry panzerfausts.

GF116: Reconnaissance Battalion mid-44

GF117: Reconnaissance Battalion early-40
Notes:
- Infantry divisions fielded a single reconnaissance battalion.
- Rifle squads may substitute for the SMG squads in the recon (B/C) platoons.
- The PSW 222 [G-26B] may substitute for the PSW 221 [G25B].
- The 5cm PaK 38 ATG [G-32A] began appearing in late-41 and may substitute for the 3.7cm PaK 36 ATG [G-31B].

Battalion HQ: (1) BHQ Recon Infantry Squad [G-8A], (1) Medium Truck [G-5B2], (1) BHQ Recon PSW 222 [G-26B], (1) Recon PSW 221 [G-26B], (1) Recon FO Section [G-8A], (1) Light Truck [G-5B2]

(1) Recon (B/C) Company
Company HQ: (1) CHQ Recon Infantry Bicycle ¼ Squad [G-8A]

(3) Recon (B/C) Platoon
(3) Recon SMG Bicycle Squad [G-8A]

(1) Weapons Platoon
(2) Recon GrW34 Mortar Bicycle Section [G-8B], (1) Recon HMG Bicycle Section [G-8B],

(1) Heavy Weapons Company
Company HQ: (1) CHQ Recon Infantry ¼ Squad [G-8A], (1) Light Truck [G-5B2]
(1) Heavy Weapons Company

Company HQ: (1) CHQ Recon Infantry ½ Squad [G-8A], (1) Light Truck [G-5B2]

(1) Pionier Platoon

(3) Engineer Recon Rifle Squad [G-8A], (3) Medium Truck [G-5B2]

(1) (mot) Anti-Tank Platoon

(3) Recon 7.5cm PaK 40 ATG [G-6B], (3) Sdkfz 11 [G-5B1] or (3) Medium Truck [G-5B2]

(1) Infantry Gun Platoon

(3) Recon 7.5cm lelG [G-33B], (3) Light Truck [G-5B2]

Notes:
- Infantry divisions fielded a single fusilier battalion.
- This TO&E denotes the fusilier battalion formation for the remainder of the war.
- Rifle squads may substitute for the SMG squads in all recon platoons.
- The older 5cm PaK 38 ATG [G-32A] may substitute for the 7.5cm PaK 40 ATG [G-6B].
- From late-43, all infantry, rifle and SMG squads and ½ squads may carry panzerfausts.

GF120: Fusilier Company mid-44

Company HQ: (1) CHQ Recon Infantry ½ Squad [G-8A]

(2) SMG Recon Platoon

(3) Recon SMG Squad [G-8A]

(1) Recon Platoon

(3) Recon Rifle Squad [G-8A]

(1) Weapons Platoon

(1) Recon GrW34 Mortar Section [G-8B], (1) Light Truck [G-5B2], (1) Recon HMG Section [G-8B], (1) Light Truck [G-5B2]

Notes:
- Volksgrenadier divisions fielded a single fusilier company.
- This TO&E denotes the volksgrenadier fusilier company formation for the remainder of the war.
- The SMG recon and the recon platoons may be mounted on bicycles.
- All infantry, rifle and SMG squads and ½ squads may carry panzerfausts.

GF122: Panzer Pionier Battalion mid-44

Battalion HQ: (1) B HQ Infantry Squad [G-8A], (1) Medium Truck [G-5B2], (1) Rifle Squad [G-8A], (1) Medium Truck [G-5B2]

(3) (mot) Pionier Company

Company HQ: (1) CHQ Infantry ½ Squad [G-8A], (1) Light Truck [G-5B2]

(3) Pionier Platoon

(3) Engineer Rifle Squad [G-8A], (3) Medium Truck [G-5B2]

(1) (mot) Pionier Company

Company HQ: (1) CHQ Infantry ½ Squad [G-8A], (1) SPW 251/1 [G-5A]

(3) Pionier Platoon

(3) Engineer Rifle Squad [G-8A], (3) SPW 251/1 [G-5A], (1) PzB 39 ATR Section [G-8B], (1) SPW 251/1 [G-5A]

(2) (mot) Pionier Company

Company HQ: (1) CHQ Infantry ½ Squad [G-8A], (1) Light Truck [G-5B2]

(3) Pionier Platoon

(3) Engineer Rifle Squad [G-8A], (3) Medium Truck [G-5B2], (1) PzB 39 ATR Section [G-8B], (1) Medium Truck [G-5B2]

(1) Bridging Train

(1) Engineer Bridge

Notes:
- Panzer divisions fielded a single panzer pionier battalion.

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GF123: (mot) Pionier Battalion early-40

Battalion HQ: (1) BHQ Infantry Squad [G-8A],
(1) Medium Truck [G-5B2], (1) Rifle Squad [G-8A],
(1) Medium Truck [G-5B2]

(3) (mot) Pionier Company
Company HQ: (1) CHQ Infantry ½ Squad
[G-8A], (1) Light Truck [G-5B2]

(3) Pionier Platoon
(3) Engineer Rifle Squad [G-8A],
(3) Medium Truck [G-5B2]
(1) PzB 39 ATR Section [G-8B], (1) Light
Truck [G-5B2]

(1) Weapons Platoon
(1) HMG Section [G-8B], (1) Light
Truck [G-5B2], (1) GrW34 Mortar
Section [G-8B], (1) Light Truck
[G-B2]

Notes:
- Panzer divisions fielded a single pionier battalion.
- This TO&E denotes the pionier battalion formation for the
remainder of the war.
- From late-43, all infantry and rifle squads and ½ squads may carry
pazmerfausts.

GF125: (mot) Pionier Battalion mid-43

Battalion HQ: (1) BHQ Infantry Squad [G-8A],
(1) Medium Truck [G-5B2], (1) Rifle Squad [G-8A],
(1) Medium Truck [G-5B2]

(3) (mot) Pionier Company
Company HQ: (1) CHQ Infantry ½ Squad
[G-8A], (1) Light Truck [G-5B2]

(3) Pionier Platoon
(3) Engineer Rifle Squad [G-8A],
(3) Medium Truck [G-5B2]
(1) PzB 39 ATR Section [G-8B], (1) Light
Truck [G-5B2]

(1) Weapons Platoon
(1) HMG Section [G-8B], (1) Light
Truck [G-5B2], (1) GrW34 Mortar
Section [G-8B], (1) Light Truck
[G-B2]

Notes:
- Panzergrenadier divisions fielded a single (mot) pionier battalion.
- This TO&E denotes the (mot) pionier battalion formation for the
remainder of the war.
- From late-43, all infantry and rifle squads and ½ squads may carry
pazmerfausts.

GF126: Pionier Battalion early-40

Battalion HQ: (1) BHQ Infantry Squad [G-8A],
(1) Medium Truck [G-5B2], (1) Rifle Squad [G-8A],
(1) Medium Truck [G-5B2]

(1) (mot) Pionier Company
Company HQ: (1) CHQ Infantry ½ Squad
[G-8A], (1) Light Truck [G-5B2]

(3) Pionier Platoon
(3) Engineer Rifle Squad [G-8A],
(3) Medium Truck [G-5B2]
(1) PzB 39 ATR Section [G-8B], (1) Light
Truck [G-B2]

(2) Pionier Company
Company HQ: (1) CHQ Infantry ½ Squad
[G-8A]

(3) Pionier Platoon
(3) Engineer Rifle Squad [G-8A],
(3) Medium Truck [G-5B2]
Notes:
- Infantry divisions fielded a single pioneer battalion.
- Starting in mid-41, a single PzB 39 ATR Section [G-8B] was added to each of the pioneer platoons.
- By early-42, the PzB 39 ATR section was removed from most formations.

G127: Pionier Battalion mid-43
Battalion HQ: (1) HQ Infantry Squad [G-8A], (1) Rifle Squad [G-5B2]
(1) Pionier (B/C) Company
Company HQ: (1) HQ Infantry ½ Squad [G-8A]
(3) Pionier Platoon
(3) Engineer Rifle Squad [G-8A]
(2) Pionier Company
Company HQ: (1) HQ Infantry ½ Squad [G-8A]
(3) Pionier Platoon
(3) Engineer Rifle Squad [G-8A]
(1) Weapons Platoon
(1) HMG Section [G-8B], (1) GrW34 Mortar Section [G-8B]

Notes:
- Infantry divisions fielded a single pioneer battalion.
- This TO&E denotes the pioneer battalion formation for the remainder of the war.
- Some pioneer battalions fielded a third pioneer company instead of the pioneer (B/C) company.
- From late-43, all infantry and rifle squads and ½ squads may carry panzerfausts.

G128: Pionier Battalion late-44
Battalion HQ: (1) HQ Infantry Squad [G-8A], (1) Rifle Squad [G-5B2]
(2) Pionier (B/C) Company
Company HQ: (1) HQ Infantry ½ Squad [G-8A]

Notes:
- Volksgrenadier divisions fielded a single pioneer battalion.
- This TO&E denotes the volksgrenadier pioneer battalion formation for the remainder of the war.
- All infantry and rifle squads and ½ squads may carry panzerfausts.
Basic Formation Type
These basic formation types are displayed individually or combined to form other types, e.g., armored infantry.

- Tank, armor
- Infantry
- Anti-tank
- Reconnaissance
- Gun, artillery
- Anti-aircraft
- Engineer, sapper, pioneer
- Bridging
- Transport

Formation Type Modifier
These type modifiers are always combined with basic formation types to add specific or unique capabilities.

- Heavy unit, weapons
- Motorized
- Motorcycle
- Mortar
- Airborne, parachute
- Glider

Formation Size
These symbols are found above basic or combined formation types indicating the size of the formation, from the largest, group or front, to the smallest, squad or section.

XXXXXX Group, Front
XXXX Army
XXX Corps
XX Division
X Brigade
III Regiment
II Battalion, squadron (USA)
I Company, battery, troop (USA), squadron (UK & France 1940)
•• Platoon
• Squad, Section