On 23 February 1943, the 180th Transportation Battalion originally constituted in the U.S. Army as the Headquarters and Headquarters Detachment, 3rd Battalion, 519th Quartermaster Regiment. It then activated at Camp Joseph T. Robinson, Arkansas on 26 April 1943 and broken up 20 December 1943. It was reorganized and redesignated as Headquarters and Headquarters Detachment, 180th Quartermaster Battalion, Mobile and Companies I, K, L, and M were redesignated as the 3989th, 3990th, 3991st, and 3992nd Quartermaster Truck Companies, respectively. The companies followed separate lineages. On 20 December 1943, the battalion reorganized and redesignated as the 180th Quartermaster Battalion, Mobile. During World War II, the 180th participated in the campaigns of Normandy, Northern France, Rhineland, Ardennes-Alsace, and Central Europe. The battalion inactivated shortly after the end of the war on 12 December 1945 at Camp Kilmer, New Jersey.

On 1 August 1946, the unit reorganized and redesignated as Headquarters and Headquarter Detachment, 180th Transportation Corps Truck Battalion. The 180th then redesignated 7 December 1966 as Headquarters and Headquarter Detachment, 180th Transportation Battalion and allotted to the Regular Army.

By 23 January 1967, the battalion activated at Fort Hood, Texas. It fell under the 13th Support Brigade. As the nation’s involvement in Vietnam was increasing, consequently this brigade formed and tasked with training technical services units to assure combat service support missions in Southeast Asia.

On 11 August 1971, the 180th Battalion consisted of the following units:
Headquarters and Headquarter Detachment, 180th Transportation Battalion (Mtr Transport)
96th Transportation Company (Heavy Truck)
418th Transportation Company (Medium Truck Petroleum)
628th Transportation Company (Light Medium Truck)
375th Transportation Detachment (Highway Regulating Point)
406th Transportation Detachment (Trailer Transfer Point Operations)

The 13th Support Brigade evolved due to its increased missions and changing roles and was redesignated as the 13th Support Command (Corps) in 1980 then as the 13th Corps Support Command (COSCOM) in March 1989.

When Saddam Hussein invaded Kuwait in 1990, the 180th was part of the 13th Corps Support Command based out of Fort Hood, Texas. Shortly afterwards, the unit deployed as part of Operation DESERT SHIELD. During Operation DESERT SHIELD/STORM the battalion consisted of the following:

- Headquarters and Headquarters Detachment
- 96th Transportation Company
- 418th Transportation Company (POL)
- 628th Transportation Company
- 406th Trailer Transfer Point Detachment

The 406th provided operational control and maintenance of the battalion’s flatbed semi trailer fleet, which consisted of nineteen M871s, 22 ½-ton, four M872A3 34-ton, and two M127A2C 12-ton trailers. The company performed its mission with the assistance of three M878 yard tractors and a 6,000-pound rough terrain forklift.

The 628th provided transportation for the movement of personnel and general cargo. During Operation DESERT SHIELD, they provided transport to all non-divisional units and the 101st Airborne Division. Their mission then switched to support of the 3rd Armored Cavalry Regiment with the start of Operation DESERT STORM. During its deployment, the 628th drove over one million miles, hauled 2.5 million gallons of fuel and 1.2 million gallons of water.

The 418th mission was to move bulk petroleum products. They were tasked with the resupply of bulk petroleum to the First Cavalry Division and during their deployment in Southwest Asia, the company drove in excess of 230,000 miles and transported 5.6 million gallons of fuel. The company consisted of three medium POL platoons and sixty 5-ton tractors and sixty 5,000-gallon fuel tankers.

The 96th Transportation Company originally deployed with the 27th Support Battalion, 1st Cavalry Division. They then assigned to the 169th Corps Support Battalion. The 96th’s main task was to move heavy equipment to Northern Saudi Arabia but they also aided the division by moving fuel to Iraq. During the deployment, the 96th drove over 147,000 miles and hauled 490 pieces of heavy equipment.
On 22 June 1991, the 180th Transportation Battalion personnel redeployed at Fort Hood, Texas. In October 1991, the 180th was inspected by 13th COSCOM. They underwent a III Corps major subordinate command (MSC) level I emergency deployment readiness exercise (EDRE) and received the highest rating.

On 23 September 1993, the 180th became one of four battalions attached to the 64th Corps Support Group when it activated.

In 2003, the 180th Battalion consisted of the following units:

- 2nd Transportation Company
- 96th Transportation Company
- 297th Transportation Company
- 406th Transportation Company
- 418th Transportation Company

In March 2003, the battalion deployed to Kuwait as part of Operation IRAQI FREEDOM.

Campaign Participation Credit
- World War II: Normandy; Northern France; Rhineland; Ardennes-Alsace; Central Europe
- Southwest Asia: Defense of Saudi Arabia; Liberation and Defense of Kuwait; Cease-Fire

Decorations
- Meritorious Unit Commendation (Army) for SOUTHWEST ASIA