

Reference

Statistics and Reference Div. FM 30-42

**BASIC FIELD MANUAL**

**UNCLASSIFIED**

**MILITARY INTELLIGENCE**

**IDENTIFICATION OF  
FOREIGN ARMORED VEHICLES  
GERMAN, JAPANESE, RUSSIAN  
ITALIAN, AND FRENCH**

Prepared under direction of the  
Chief of Staff

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BY ORDER OF THE SECRETARY OF WAR:

G. C. MARSHALL,  
*Chief of Staff.*

OFFICIAL:

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*Major General,*  
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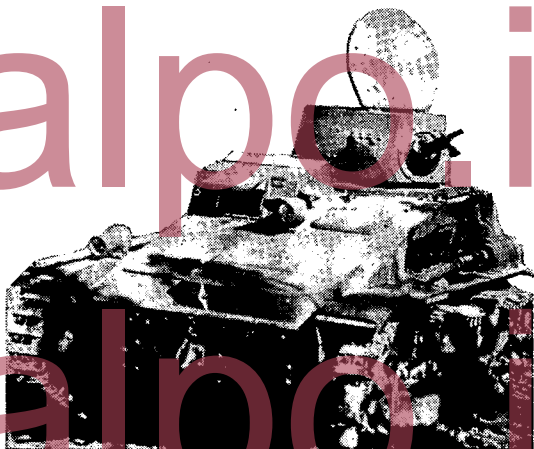
D (3); B (5); R 1, 3, 4, 10 (5), 2, 5, 6, 7, 17 (10); Bn 2, 5, 6, 7, 9 (10), 17 (15); C 2, 3, 6, 7, 9 (5), 17 (15); IBn 7 (15); I C 2, 7 (15).

(For explanation of symbols, see FM 21-6.)

SECTION III

ARMORED VEHICLES OF THE JAPANESE ARMY

JAPANESE  
ARMY

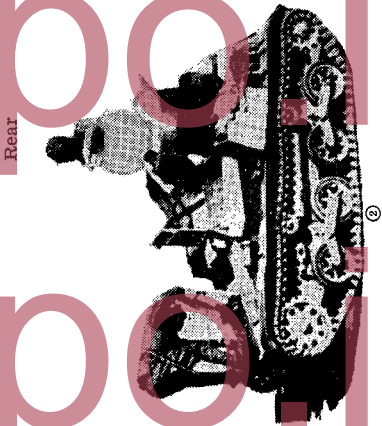


TANKETTE, ISHIKAWAJIMA, M 2592 (1932)

1. Crew: Two (one driver and one gunner).
2. Armament: One machine gun in turret.
3. Ammunition:
4. Armor, thickness:
  - Upper structure: 0.31 to 0.55 inches.
  - Front:
  - Sides:
5. Turret:
6. Vision:
7. Ventilation:
8. Communications: Flag.
9. Dimensions:
  - Length: 10 feet 2 inches.
  - Width: 5 feet 9 inches.
  - Height: 5 feet 4 inches.
10. Weight: 3 tons.
11. Motor:
  - Type: 4-cylinder.
  - Cooling system: Air.
  - Horsepower: 45.
  - Horsepower per ton: 15.
12. Drive: Front sprocket.
13. Speed:
  - Cross country:
- Road:
  - Maximum: 30 miles per hour.
14. Cruising radius, at \_\_\_\_\_ speed \_\_\_\_\_ miles.
15. Operating distance without refill:
16. Gear speeds and ratios:
17. Turning radius:
18. Suspension, type: four bogie wheels; two bogies Carden-Lloyd system.
19. Performance:
  - Ground clearance: 1 foot 1 inch.
  - Climbs \_\_\_\_\_° slopes.
  - Negotiates vertical obstacle \_\_\_\_\_ high.
  - Crosses trenches \_\_\_\_\_ wide.
  - Fords streams \_\_\_\_\_ deep.
20. Remarks: Known as light-armed vehicle. Used with armored trailer for supply and intercommunication. Based on Carden-Lloyd.

JAPANESE  
ARMY

TANKETTE  
ISHIKAWAJIMA  
M 2592 (1932)



Top

Side



JAPANESE  
ARMY



TANKETTE, M 2595 (1935)

1. Crew: Two (one driver and one gunner).
2. Armament: One 37-mm gun in turret and two machine guns in hull fore.
3. Ammunition:
4. Armor, thickness: 0.47 inch.  
Upper structure:  
Front:  
Sides:
5. Turret:
6. Vision:
7. Ventilation:
8. Communications: Flag.
9. Dimensions:  
Length: 13 feet.  
Width: 4 feet 9 inches.  
Height: 6 feet 5 inches.
10. Weight: 4 tons.
11. Motor:  
Type:  
Cooling system: Air.  
Horsepower: 70.  
Horsepower per ton: 17.5.
12. Drive:
13. Speed:  
Cross country:  
Road:  
Maximum: 22 miles per hour.
14. Cruising radius, at \_\_\_\_\_ speed \_\_\_\_\_ miles.
15. Operating distance without refill:
16. Gear speeds and ratios:
17. Turning radius:
18. Suspension, type: Four bogie wheels; 2 bogies.
19. Performance:  
Ground clearance:  
Climbs \_\_\_\_\_° slopes.  
Negotiates vertical obstacle \_\_\_\_\_ high.  
Crosses trenches \_\_\_\_\_ wide.  
Fords streams \_\_\_\_\_ deep.
20. Remarks:

IDENTIFICATION OF FOREIGN ARMORED VEHICLES

JAPANESE  
ARMY

TANKETTE  
M 2595 (1935)

Top



Front

Rear



Side

JAPANESE  
ARMY

## TANKETTE, ISHIKAWAJIMA, M 2598 (1938)

1. Crew: Three (one driver, two gunners).
2. Armament: One machine gun in turret and one machine gun in hull fore.
3. Ammunition: 5,000 rounds small arms.
4. Armor, thickness: 0.55 inch.  
Upper structure:  
Front:  
Sides:
5. Turret:
6. Vision:
7. Ventilation:
8. Communications:
9. Dimensions:  
Length: 10 feet 3 inches.  
Width: 5 feet 9 inches.  
Height: 5 feet 4 inches.
10. Weight: 3 tons.
11. Motor:  
Type:  
Cooling system: water and air.  
Horsepower: 55.  
Horsepower per ton: 18.3.
12. Drive: Front sprocket.
13. Speed:  
Cross country:  
Road:  
Maximum: 33 miles per hour.
14. Cruising radius, at ----- speed 61 miles.
15. Operating distance without refill:
16. Gear speeds and ratios:
17. Turning radius:
18. Suspension, type: Four bogie wheels; two bogies.
19. Performance:  
Ground clearance:  
Climbs 34° slopes.  
Negotiates vertical obstacle 2 feet 1 inch high.  
Crosses trenches 4 feet 9 inches wide.  
Fords streams 2 feet 9 inches deep.
20. Remarks: In use in Manchuria.



IDENTIFICATION OF FOREIGN ARMORED VEHICLES

JAPANESE  
ARMY

TANKETTE  
ISHIKAWAJIMA  
M 2598 (1938)

talpo.it

Top

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Front

Rear

talpo.it

Side

JAPANESE  
ARMY

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LIGHT TANK, M 2592 (1932)

1. Crew: Three (one driver, two gunners).
2. Armament: One machine gun in turret; one 13-mm machine gun in hull fore.
3. Ammunition:
4. Armor, thickness: 0.31- to 0.43-inch.  
Upper structure:  
Front:  
Sides:
5. Turret:
6. Vision:
7. Ventilation:
8. Communications: Flag.
9. Dimensions:  
Length: 12 feet 10 inches.  
Width: 5 feet 4 inches.  
Height: 6 feet 1 inch.
10. Weight: 5 tons.
11. Motor:  
Type: 6-cylinder Mitsubishi.  
Cooling system: Air.  
Horsepower: 85.  
Horsepower per ton: 17.
12. Drive: Front sprocket.
13. Speed:  
Cross country.  
Road:  
Maximum: 28 miles per hour.
14. Cruising radius, at \_\_\_\_\_ speed \_\_\_\_\_ miles.
15. Operating distance without refill:
16. Gear speeds and ratios:
17. Turning radius:
18. Suspension, type: Six bogie wheels; 3 bogies.
19. Performance:  
Ground clearance: 1 foot.  
Climbs 34° slopes.  
Negotiates vertical obstacle 1 foot 8 inches high.  
Crosses trenches 4 feet 6 inches wide.  
Fords streams 2 feet 6 inches deep.
20. Remarks: Known as heavy armored vehicle.

IDENTIFICATION OF FOREIGN ARMORED VEHICLES

JAPANESE  
ARMY

LIGHT TANK  
M 2592 (1932)

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Top

talpo.it

Front

Rear

talpo.it

Side

JAPANESE  
ARMY



LIGHT TANK, M 2593 (1933)

1. Crew: Three (one driver and two gunners).
2. Armament: One machine gun in turret, one machine gun in hull fore.
3. Ammunition:
4. Armor, thickness: 0.86-inch.  
Upper structure:  
Front:  
Sides:
5. Turret:
6. Vision:
7. Ventilation:
8. Communications: Flag.
9. Dimensions:  
Length: 14 feet 8 inches.  
Width: 5 feet 11 inches.  
Height: 6 feet.
10. Weight: 7 tons.
11. Motor:  
Type: 6-cylinder Mitsubishi.  
Cooling system: Air.  
Horsepower: 85.  
Horsepower per ton: 12.1.
12. Drive: Front sprocket.
13. Speed:  
Cross country:  
Road:  
Maximum: 28 miles per hour.
14. Cruising radius, at \_\_\_\_\_ speed \_\_\_\_\_ miles.
15. Operating distance without refill:
16. Gear speeds and ratios:
17. Turning radius:
18. Suspension, type: Six bogie wheels; three bogies.
19. Performance:  
Ground clearance: 1 foot 3 inches.  
Climbs 42° slopes.  
Negotiates vertical obstacle 1 foot 8 inches high.  
Crosses trenches 5 feet 8 inches wide.  
Fords streams 2 feet 8 inches deep.
20. Remarks: Trials have been made with experimental amphibious model of this tank.

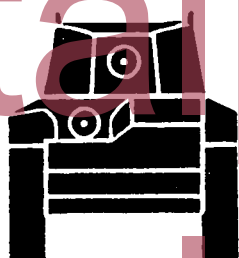
IDENTIFICATION OF FOREIGN ARMORED VEHICLES

JAPANESE  
ARMY

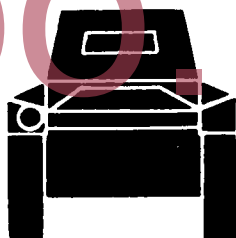
LIGHT TANK  
M 2593 (1933)



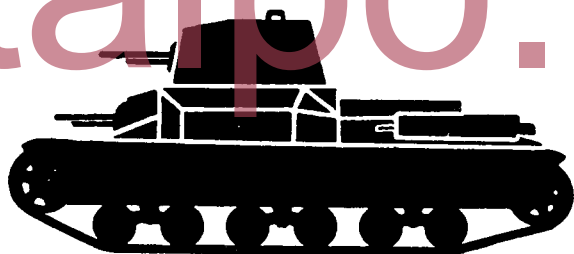
Top



Front



Rear



Side

JAPANESE  
ARMY

LIGHT TANK, M 2595 (1935)

- |  |  |
|--|--|
| 1. Crew: Three (one driver and two gunners).   | revolutions per minute.<br>Horsepower per ton: 14.2.   |
| 2. Armament: One 47-mm gun in turret; two 7.7-mm machine guns in hull fore.                                      | 12. Drive:   |
| 3. Ammunition: 120 rounds 47-mm; 1,350 machine gun.  | 13. Speed:<br>Cross country:<br>Road:<br>Maximum: 22 miles per hour.   |
| 4. Armor, thickness: 0.47 inch.<br>Upper structure: 0.47 inch.<br>Front: 0.47 inch.<br>Sides: 0.39 to 0.47 inch. | 14. Cruising radius, at speed ----- miles.   |
| 5. Turret: Single.   | 15. Operating distance without refill: 120 miles.  |
| 6. Vision: Telescopic sights and glass protected slits.  | 16. Gear speeds and ratios:  |
| 7. Ventilation: Louvres.   | 17. Turning radius:  |
| 8. Communications: Radio.  | 18. Suspension, type: Eight bogie wheels; four bogies.   |
| 9. Dimensions:<br>Length: 14 feet 9 inches.<br>Width: 6 feet 6 inches.<br>Height: 6 feet 6 inches.               | 19. Performance:<br>Ground clearance: 1.2 feet.<br>Climbs 40° slopes.<br>Negotiates vertical obstacle 2.6 feet high.<br>Crosses trenches ----- wide.<br>Fords streams 3.2 feet deep. |
| 10. Weight: 7.7 tons.  | 20. Remarks:   |
| 11. Motor:<br>Type:<br>Cooling system: Air.<br>Horsepower: 110 at 1,400  |  |

IDENTIFICATION OF FOREIGN ARMORED VEHICLES

JAPANESE  
ARMY

LIGHT TANK  
M 2595 (1935)

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Top

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Front

Rear

talpo.it

Side

IDENTIFICATION OF FOREIGN ARMORED VEHICLES

FRENCH  
ARMY

COMMANDERS' CAR  
RENAULT

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Top

talpo.it



Front

Rear

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Side

