

Shenyang JJ-2 and FT-2



The Shenyang JJ-2 was a trainer, a licensed copy of the MiG-15UTI.

Many Soviet-built MiG-15bis fighters served in the PLAAF under the designation J-2, but unlike the JJ-2 the J-2 was not manufactured in China.

Versions

JJ-2 and FT-2

The Shenyang JJ-2 was a licensed copy of the MiG-15UTI trainer. The MiG-15UTI in turn was essentially a MiG-15 with a second cockpit and reduced armament. The FT-2 was the export version of the JJ-2. The NATO reporting name is Midget.

It was used extensively by the PLAAF and PLAN.

Armament and Stores

It is conceivable that the JJ-2 used the same stores as the MiG-15, especially 250L FTs.

Combat

The PLAN used the JJ-2 to attempt to intercept ROCAF overflights around 1960.

ADCs

- Shenyang JJ-2
- Shenyang FT-2

See Also

- Mikoyan-Gurevich MiG-15

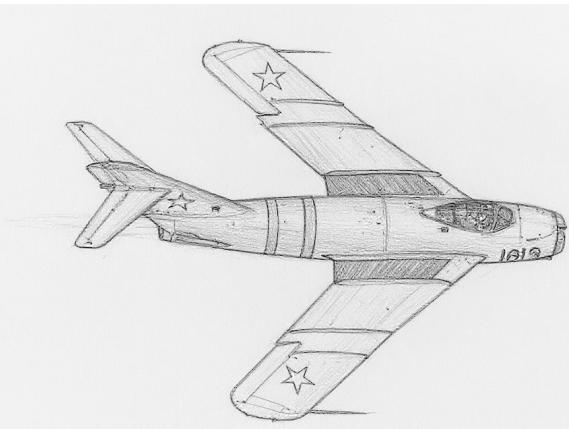
Photo Credit

- MiG-15UTI: wallycacsabre (CC-BY-2.0)

Shenyang JJ-2					Crew: Pilot and Observer																																																																																																																												
					Maneuver DPs:																																																																																																																												
Power APs/DPs: ○					LR/DR 2.0 VR 1.0																																																																																																																												
<table border="1"> <thead> <tr> <th></th><th>CL</th><th>1/2</th><th>DT</th><th>Fuel</th></tr> </thead> <tbody> <tr><td>AB</td><td>—</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>M</td><td>1.5</td><td>1.0</td><td>1.0</td><td>1.0</td></tr> <tr><td>N</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.5</td></tr> <tr><td>I</td><td>1.0</td><td>1.0</td><td>1.0</td><td>0.0</td></tr> <tr><td>SPBR</td><td>1.0</td><td>1.0</td><td>2.0</td><td>—</td></tr> </tbody> </table>						CL	1/2	DT	Fuel	AB	—	—	—	—	M	1.5	1.0	1.0	1.0	N	0.0	0.0	0.0	0.5	I	1.0	1.0	1.0	0.0	SPBR	1.0	1.0	2.0	—	Turn DPs: <table border="1"> <thead> <tr> <th></th><th>CL</th><th>1/2</th><th>DT</th></tr> </thead> <tbody> <tr><td>TT</td><td>0.5</td><td>1.0</td><td>1.0</td></tr> <tr><td>HT</td><td>1.0</td><td>1.0</td><td>1.0</td></tr> <tr><td>BT</td><td>1.5</td><td>2.0</td><td>2.0</td></tr> <tr><td>ET</td><td>—</td><td>—</td><td>—</td></tr> </tbody> </table>									CL	1/2	DT	TT	0.5	1.0	1.0	HT	1.0	1.0	1.0	BT	1.5	2.0	2.0	ET	—	—	—																																																																			
	CL	1/2	DT	Fuel																																																																																																																													
AB	—	—	—	—																																																																																																																													
M	1.5	1.0	1.0	1.0																																																																																																																													
N	0.0	0.0	0.0	0.5																																																																																																																													
I	1.0	1.0	1.0	0.0																																																																																																																													
SPBR	1.0	1.0	2.0	—																																																																																																																													
	CL	1/2	DT																																																																																																																														
TT	0.5	1.0	1.0																																																																																																																														
HT	1.0	1.0	1.0																																																																																																																														
BT	1.5	2.0	2.0																																																																																																																														
ET	—	—	—																																																																																																																														
					Cruise Spd. CL: 5.0 Restr. Arcs: — Climb Spd.: 3.5 Blind Arcs: 30– Visibility: 4 Internal Fuel: 100 Size: +1 AtA Refuel: No Vulnerability: +1 Ejection Seat: Early																																																																																																																												
<table border="1"> <thead> <tr> <th colspan="5">Speeds and Ceilings</th><th colspan="8">Climb Capabilities</th></tr> <tr> <th>Alt.</th><th>Conf.</th><th>CL</th><th>1/2</th><th>DT</th><th>Dive Speed</th><th>CL AB</th><th>Oth</th><th>1/2 AB</th><th>Oth</th><th>DT AB</th><th>Oth</th><th></th></tr> <tr> <th>Band</th><th>Ceil.</th><td>51</td><td>48</td><td>44</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </thead> <tbody> <tr> <td>EH+</td><td>46+</td><td>3.0 – 5.5</td><td>3.0 – 5.0</td><td>—</td><td>6.0</td><td>—</td><td>0.5</td><td>—</td><td>0.5</td><td>—</td><td>—</td><td>EH+</td></tr> <tr> <td>VH</td><td>36–45</td><td>2.5 – 6.0</td><td>2.5 – 5.0</td><td>2.5 – 5.0</td><td>6.0</td><td>—</td><td>1.0</td><td>—</td><td>0.5</td><td>—</td><td>0.5</td><td>VH</td></tr> <tr> <td>HI</td><td>26–35</td><td>2.0 – 6.0</td><td>2.0 – 5.5</td><td>2.5 – 5.0</td><td>6.5</td><td>—</td><td>1.0</td><td>—</td><td>1.0</td><td>—</td><td>0.5</td><td>HI</td></tr> <tr> <td>MH</td><td>17–25</td><td>1.5 – 6.0</td><td>2.0 – 5.5</td><td>2.0 – 5.0</td><td>6.5</td><td>—</td><td>1.5</td><td>—</td><td>1.0</td><td>—</td><td>1.0</td><td>MH</td></tr> <tr> <td>ML</td><td>8–16</td><td>1.5 – 6.5</td><td>1.5 – 6.0</td><td>1.5 – 5.5</td><td>7.0</td><td>—</td><td>1.5</td><td>—</td><td>1.0</td><td>—</td><td>1.0</td><td>ML</td></tr> <tr> <td>LO</td><td>0–7</td><td>1.0 – 6.5</td><td>1.5 – 6.0</td><td>1.5 – 5.5</td><td>7.0</td><td>—</td><td>1.5</td><td>—</td><td>1.5</td><td>—</td><td>1.0</td><td>LO</td></tr> </tbody> </table>	Speeds and Ceilings												Climb Capabilities								Alt.	Conf.	CL	1/2	DT	Dive Speed	CL AB	Oth	1/2 AB	Oth	DT AB	Oth		Band	Ceil.	51	48	44									EH+	46+	3.0 – 5.5	3.0 – 5.0	—	6.0	—	0.5	—	0.5	—	—	EH+	VH	36–45	2.5 – 6.0	2.5 – 5.0	2.5 – 5.0	6.0	—	1.0	—	0.5	—	0.5	VH	HI	26–35	2.0 – 6.0	2.0 – 5.5	2.5 – 5.0	6.5	—	1.0	—	1.0	—	0.5	HI	MH	17–25	1.5 – 6.0	2.0 – 5.5	2.0 – 5.0	6.5	—	1.5	—	1.0	—	1.0	MH	ML	8–16	1.5 – 6.5	1.5 – 6.0	1.5 – 5.5	7.0	—	1.5	—	1.0	—	1.0	ML	LO	0–7	1.0 – 6.5	1.5 – 6.0	1.5 – 5.5	7.0	—	1.5	—	1.5	—	1.0	LO					
Speeds and Ceilings					Climb Capabilities																																																																																																																												
Alt.	Conf.	CL	1/2	DT	Dive Speed	CL AB	Oth	1/2 AB	Oth	DT AB	Oth																																																																																																																						
Band	Ceil.	51	48	44																																																																																																																													
EH+	46+	3.0 – 5.5	3.0 – 5.0	—	6.0	—	0.5	—	0.5	—	—	EH+																																																																																																																					
VH	36–45	2.5 – 6.0	2.5 – 5.0	2.5 – 5.0	6.0	—	1.0	—	0.5	—	0.5	VH																																																																																																																					
HI	26–35	2.0 – 6.0	2.0 – 5.5	2.5 – 5.0	6.5	—	1.0	—	1.0	—	0.5	HI																																																																																																																					
MH	17–25	1.5 – 6.0	2.0 – 5.5	2.0 – 5.0	6.5	—	1.5	—	1.0	—	1.0	MH																																																																																																																					
ML	8–16	1.5 – 6.5	1.5 – 6.0	1.5 – 5.5	7.0	—	1.5	—	1.0	—	1.0	ML																																																																																																																					
LO	0–7	1.0 – 6.5	1.5 – 6.0	1.5 – 5.5	7.0	—	1.5	—	1.5	—	1.0	LO																																																																																																																					
Radar: — ECCM: — Arcs: — Search: — Track: — Lock-On: —				ECM: RWR: — DDS: — DJM: — AJM: — BJM: —				Weapon Stations Diagram:																																																																																																																									
Guns: One 12.7 mm A-12.7 To Hit: 3/1/– Ammunition: 3.0 Gunsight: TT+0/HT+2/BT+3 Ranging: — AtA/AtG: 1/1**				Technology: None				Load Point Limits: CL : < 2 1/2: < 5 Weight Limit: 1,600 DT : ≥ 5																																																																																																																									
Bomb System: Manual								Station Limit Allowed Loads 1 and 2 550 BB RK RP FT																																																																																																																									
Notes: 1. The Shenyang JJ-2 is a two-seat training aircraft. It is licensed version of the MiG-15UTI. The NATO reporting name for the aircraft is Midget. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 5.0. 3. Hit rolls at high transonic speed or greater have a +1 modifier to the hit roll due to instability generated by the conventional horizontal stabilizers and elevators.																																																																																																																																	
VPs: 7/5/2/1										v3.0000000 0000-00-00T00:00:00																																																																																																																							

Shenyang FT-2					Crew: Pilot and Observer																																																																																																															
					Maneuver DPs:																																																																																																															
Power APs/DPs: ○					LR/DR 2.0 VR 1.0																																																																																																															
<table border="1"> <thead> <tr> <th></th><th>CL</th><th>1/2</th><th>DT</th><th>Fuel</th></tr> </thead> <tbody> <tr><td>AB</td><td>—</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>M</td><td>1.5</td><td>1.0</td><td>1.0</td><td>1.0</td></tr> <tr><td>N</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.5</td></tr> <tr><td>I</td><td>1.0</td><td>1.0</td><td>1.0</td><td>0.0</td></tr> <tr><td>SPBR</td><td>1.0</td><td>1.0</td><td>2.0</td><td>—</td></tr> </tbody> </table>						CL	1/2	DT	Fuel	AB	—	—	—	—	M	1.5	1.0	1.0	1.0	N	0.0	0.0	0.0	0.5	I	1.0	1.0	1.0	0.0	SPBR	1.0	1.0	2.0	—	Turn DPs: <table border="1"> <thead> <tr> <th></th><th>CL</th><th>1/2</th><th>DT</th></tr> </thead> <tbody> <tr><td>TT</td><td>0.5</td><td>1.0</td><td>1.0</td></tr> <tr><td>HT</td><td>1.0</td><td>1.0</td><td>1.0</td></tr> <tr><td>BT</td><td>1.5</td><td>2.0</td><td>2.0</td></tr> <tr><td>ET</td><td>—</td><td>—</td><td>—</td></tr> </tbody> </table>									CL	1/2	DT	TT	0.5	1.0	1.0	HT	1.0	1.0	1.0	BT	1.5	2.0	2.0	ET	—	—	—																																																						
	CL	1/2	DT	Fuel																																																																																																																
AB	—	—	—	—																																																																																																																
M	1.5	1.0	1.0	1.0																																																																																																																
N	0.0	0.0	0.0	0.5																																																																																																																
I	1.0	1.0	1.0	0.0																																																																																																																
SPBR	1.0	1.0	2.0	—																																																																																																																
	CL	1/2	DT																																																																																																																	
TT	0.5	1.0	1.0																																																																																																																	
HT	1.0	1.0	1.0																																																																																																																	
BT	1.5	2.0	2.0																																																																																																																	
ET	—	—	—																																																																																																																	
					Cruise Spd. CL: 5.0 Restr. Arcs: — Climb Spd.: 3.5 Blind Arcs: 30– Visibility: 4 Internal Fuel: 100 Size: +1 AtA Refuel: No Vulnerability: +1 Ejection Seat: Early																																																																																																															
Speeds and Ceilings <table border="1"> <thead> <tr> <th>Alt.</th><th>Conf.</th><th>CL</th><th>1/2</th><th>DT</th><th>Dive Speed</th><th>CL AB</th><th>CL Oth</th><th>1/2 AB</th><th>1/2 Oth</th><th>DT AB</th><th>DT Oth</th><th></th></tr> <tr> <th>Band</th><th>Ceil.</th><td>51</td><td>48</td><td>44</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </thead> <tbody> <tr><td>EH+</td><td>46+</td><td>3.0 – 5.5</td><td>3.0 – 5.0</td><td>—</td><td>6.0</td><td>—</td><td>0.5</td><td>—</td><td>0.5</td><td>—</td><td>—</td><td>EH+</td></tr> <tr><td>VH</td><td>36–45</td><td>2.5 – 6.0</td><td>2.5 – 5.0</td><td>2.5 – 5.0</td><td>6.0</td><td>—</td><td>1.0</td><td>—</td><td>0.5</td><td>—</td><td>0.5</td><td>VH</td></tr> <tr><td>HI</td><td>26–35</td><td>2.0 – 6.0</td><td>2.0 – 5.5</td><td>2.5 – 5.0</td><td>6.5</td><td>—</td><td>1.0</td><td>—</td><td>1.0</td><td>—</td><td>0.5</td><td>HI</td></tr> <tr><td>MH</td><td>17–25</td><td>1.5 – 6.0</td><td>2.0 – 5.5</td><td>2.0 – 5.0</td><td>6.5</td><td>—</td><td>1.5</td><td>—</td><td>1.0</td><td>—</td><td>1.0</td><td>MH</td></tr> <tr><td>ML</td><td>8–16</td><td>1.5 – 6.5</td><td>1.5 – 6.0</td><td>1.5 – 5.5</td><td>7.0</td><td>—</td><td>1.5</td><td>—</td><td>1.0</td><td>—</td><td>1.0</td><td>ML</td></tr> <tr><td>LO</td><td>0–7</td><td>1.0 – 6.5</td><td>1.5 – 6.0</td><td>1.5 – 5.5</td><td>7.0</td><td>—</td><td>1.5</td><td>—</td><td>1.5</td><td>—</td><td>1.0</td><td>LO</td></tr> </tbody> </table>	Alt.	Conf.	CL	1/2									DT	Dive Speed	CL AB	CL Oth	1/2 AB	1/2 Oth	DT AB	DT Oth		Band	Ceil.	51	48	44									EH+	46+	3.0 – 5.5	3.0 – 5.0	—	6.0	—	0.5	—	0.5	—	—	EH+	VH	36–45	2.5 – 6.0	2.5 – 5.0	2.5 – 5.0	6.0	—	1.0	—	0.5	—	0.5	VH	HI	26–35	2.0 – 6.0	2.0 – 5.5	2.5 – 5.0	6.5	—	1.0	—	1.0	—	0.5	HI	MH	17–25	1.5 – 6.0	2.0 – 5.5	2.0 – 5.0	6.5	—	1.5	—	1.0	—	1.0	MH	ML	8–16	1.5 – 6.5	1.5 – 6.0	1.5 – 5.5	7.0	—	1.5	—	1.0	—	1.0	ML	LO	0–7	1.0 – 6.5	1.5 – 6.0	1.5 – 5.5	7.0	—	1.5	—	1.5	—	1.0	LO				
Alt.	Conf.	CL	1/2	DT	Dive Speed	CL AB	CL Oth	1/2 AB	1/2 Oth	DT AB	DT Oth																																																																																																									
Band	Ceil.	51	48	44																																																																																																																
EH+	46+	3.0 – 5.5	3.0 – 5.0	—	6.0	—	0.5	—	0.5	—	—	EH+																																																																																																								
VH	36–45	2.5 – 6.0	2.5 – 5.0	2.5 – 5.0	6.0	—	1.0	—	0.5	—	0.5	VH																																																																																																								
HI	26–35	2.0 – 6.0	2.0 – 5.5	2.5 – 5.0	6.5	—	1.0	—	1.0	—	0.5	HI																																																																																																								
MH	17–25	1.5 – 6.0	2.0 – 5.5	2.0 – 5.0	6.5	—	1.5	—	1.0	—	1.0	MH																																																																																																								
ML	8–16	1.5 – 6.5	1.5 – 6.0	1.5 – 5.5	7.0	—	1.5	—	1.0	—	1.0	ML																																																																																																								
LO	0–7	1.0 – 6.5	1.5 – 6.0	1.5 – 5.5	7.0	—	1.5	—	1.5	—	1.0	LO																																																																																																								
Radar: — ECCM: — Arcs: — Search: — Track: — Lock-On: —				ECM: RWR: — DDS: — DJM: — AJM: — BJM: —				Weapon Stations Diagram:																																																																																																												
Guns: One 12.7 mm A-12.7 To Hit: 3/1/– Ammunition: 3.0 Gunsight: TT+0/HT+2/BT+3 Ranging: — AtA/AtG: 1/1**				Technology: None				Load Point Limits: CL : < 2 1/2: < 5 Weight Limit: 1,600 DT : ≥ 5																																																																																																												
Bomb System: Manual								Station Limit Allowed Loads 1 and 2 550 BB RK RP FT																																																																																																												
Notes: 1. The Shenyang FT-2 is a two-seat training aircraft. It is the export version of the Shenyang JJ-2 and is a licensed version of the MiG-15UTI. The NATO reporting name for the aircraft is Midget. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 5.0. 3. Hit rolls at high transonic speed or greater have a +1 modifier to the hit roll due to instability generated by the conventional horizontal stabilizers and elevators.	Load Notes: 1. May use 250L, 300L, 400L, or 600L FTs. The larger tanks can be carried as an exception to the normal rules for load limits, but the turn rate is limited to HT if 300L or 400L tanks are used and to TT if 600L tanks are used.																																																																																																																			
VPs: 7/5/2/1										v3.0000000 0000-00T00:00:00																																																																																																										

Shenyang J-5 and F-5



The Shenyang J-5 was a day fighter, interceptor, and trainer. The initial versions were licensed copies of the MiG-17F and PF, but the JJ-5 trainer was a subsequent independent development.

A number of Soviet-built MiG-17s served in the PLAAF as the J.4, but this version was not manufactured in China.

Versions

J-5 and F-5

The J-5 (also known as the Type 56 and the Dongfeng-101) was a licensed copy of the MiG-17F day fighter. It was produced from about 1956 until about 1969. The F-5 was the export version of the J-5. The NATO reporting name for both is Fresco-C.

The J-5 served with the PLAAF and PLAN, alongside the original MiG-17PF, from 1956 until about 1990. It was also exported to the air forces of Albania, Bangladesh, Cambodia, Indonesia, North Korea, Pakistan, Sri Lanka, Sudan, Vietnam, and Zambia.

J-5A

The J-5 was a licensed copy of the MiG-17PF interceptor. It was produced from about 1964 until about 1969. The J-5A was apparently not exported. The NATO reporting name for both is Fresco-D.

The J-5A served with the PLAAF, alongside the original MiG-17PF, from 1964 until about 1990.

JJ-5 and FT-5

The JJ-5 was a trainer developed by Shenyang and based on the J-5. It has a similar cockpit configuration to the MiG-15UTI, the non-afterburning Klimov VK-1A engine from the early MiG-17, and retained only the belly 23 mm cannon. The FT-5 was the export version of the JJ-5.

The J-5 served with the PLAAF and PLAN from 1968. It was also exported to the air forces of Albania, Bangladesh, North Korea, Pakistan, Sudan, Tanzania, Zambia, and Zimbabwe.

Armament and Stores

Typical load for an air-to-air missile would be fuel tanks for endurance or, from 1961, two AA-2 IRMs. A typical load for air-to-ground missions was two 250 kg bombs.

Combat

Chinese J-5s and J-5As saw combat against ROCAF aircraft in the late 1950s and early 1960s. Vietnamese F-5s (alongside original MiG-17Fs) were used by the VNAF during and after the Vietnam War.

ADCs

- Shenyang J-5
- Shenyang F-5
- Shenyang J-5A
- Shenyang JJ-5
- Shenyang FT-5

See Also

- Mikoyan-Gurevich MiG-17

Photo Credit

- MiG-17: Balon Greyjoy (Public Domain)

Shenyang J-5					Crew: Pilot																		
					Maneuver DPs:																		
Power APs/DPs: ○					LR/DR 2.0 VR 1.0																		
AB	CL 2.5	1/2 2.0	DT 2.0	Fuel 3.0																			
M	1.5	1.5	1.0	1.0																			
N	0.0	0.0	0.0	0.5																			
I	1.0	1.0	2.0	0.0																			
SPBR	1.0	1.0	2.0	—																			
					Cruise Spd. CL: 4.5 Restr. Arcs: 180L Climb Spd.: 3.5 Blind Arcs: 30– Visibility: 4 Internal Fuel: 130 Size: +1 AtA Refuel: No Vulnerability: +1 Ejection Seat: Early																		
					No lag or displacement rolls if speed ≥ 5.0.																		
Speeds and Ceilings																							
Alt. Band	Conf. Ceil.	CL 54	1/2 50	DT 46	Dive Speed	CL AB	1/2 Oth	CL AB	1/2 Oth	DT AB	DT Oth												
EH+	46+	3.0 – 6.0	3.0 – 5.5	3.5 – 5.0	6.5	1.0	0.5	1.0	0.5	1.0	0.5	EH+											
VH	36–45	2.5 – 6.0	3.0 – 5.5	3.0 – 5.0	6.5	1.0	0.5	1.0	0.5	1.0	0.5	VH											
HI	26–35	2.0 – 6.0	2.5 – 6.0	2.5 – 5.5	7.0	1.5	0.5	1.0	0.5	1.0	0.5	HI											
MH	17–25	1.5 – 6.5	2.0 – 6.0	2.0 – 5.5	7.0	1.5	1.0	1.5	0.5	1.0	0.5	MH											
ML	8–16	1.0 – 7.0	1.5 – 6.5	1.5 – 5.5	7.5	2.0	1.0	1.5	1.0	1.5	0.5	ML											
LO	0–7	1.0 – 6.5	1.5 – 6.0	1.5 – 5.5	7.5	2.0	1.0	2.0	1.0	1.5	1.0	LO											
Radar:				ECM:	IFF	Weapon Stations Diagram:																	
ECCM:	—			RWR:	—																		
Arcs:	—			DDS:	—																		
Search:	—			DJM:	—																		
Track:	—			AJM:	—																		
Lock-On:	—			BJM:	—																		
Guns:	Two 23 mm NR-23 One 37 mm N-37		Technology: None	Load Point Limits: CL : < 3 1/2: < 5																			
To Hit:	4/2/1			Weight Limit: 2,500 DT : ≥ 5																			
Ammunition:	3.0			Station 1 and 2 Limit 700 Allowed Loads BB RK RP FT IRM																			
Gunsight:	TT+0/HT+2/BT+3			Load Notes:																			
Ranging:	—			1. May use 250L, 300L, 400L, or 600L FTs. As an exception to the normal rules for load limits, 600L tanks can be carried, but the turn rate is limited to BT. 2. From 1961, may use AA-2 IRMs.																			
AtA/AtG:	5/4																						
Bomb System:	Manual																						
Notes:																							
1. The Shenyang J-5 is a day fighter. It is licensed version of the MiG-17F. The NATO reporting name for the aircraft is Fresco-C. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.																							
VPs: 11/7/4/2										v3.0000000 0000-00-00T00:00:00													

Shenyang F-5									Crew: Pilot		
									Maneuver DPs:		
									LR/DR	2.0	
									VR	1.0	
Power APs/DPs:									Turn DPs:		
	CL	1/2	DT	Fuel					CL	1/2	DT
AB	2.5	2.0	2.0	3.0					TT	0.5	0.5
M	1.5	1.5	1.0	1.0					HT	1.0	1.0
N	0.0	0.0	0.0	0.5					BT	1.5	1.5
I	1.0	1.0	2.0	0.0					ET	2.0	—
SPBR	1.0	1.0	2.0	—					No lag or displacement rolls if speed ≥ 5.0.		
					Cruise Spd. CL:	4.5	Restr. Arcs:	180L			
					Climb Spd.:	3.5	Blind Arcs:	30-			
					Visibility:	4	Internal Fuel:	130			
					Size:	+1	AtA Refuel:	No			
					Vulnerability:	+1	Ejection Seat:	Early			

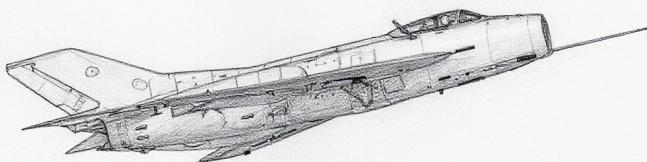
Speeds and Ceilings						Climb Capabilities					
Alt.	Conf.	CL	1/2	DT	Dive	CL	1/2	DT			
Band	Ceil.	54	50	46	Speed	AB	Oth	AB	Oth	AB	Oth
EH+	46+	3.0 – 6.0	3.0 – 5.5	3.5 – 5.0	6.5	1.0	0.5	1.0	0.5	1.0	0.5
VH	36–45	2.5 – 6.0	3.0 – 5.5	3.0 – 5.0	6.5	1.0	0.5	1.0	0.5	1.0	0.5
HI	26–35	2.0 – 6.0	2.5 – 6.0	2.5 – 5.5	7.0	1.5	0.5	1.0	0.5	1.0	0.5
MH	17–25	1.5 – 6.5	2.0 – 6.0	2.0 – 5.5	7.0	1.5	1.0	1.5	0.5	1.0	0.5
ML	8–16	1.0 – 7.0	1.5 – 6.5	1.5 – 5.5	7.5	2.0	1.0	1.5	1.0	1.5	0.5
LO	0–7	1.0 – 6.5	1.5 – 6.0	1.5 – 5.5	7.5	2.0	1.0	2.0	1.0	1.5	1.0

Shenyang J-5A					Crew: Pilot										
					Maneuver DPs:										
Power APs/DPs: ○					LR/DR 2.0 VR 1.0										
AB	CL 2.5	1/2 2.0	DT 2.0	Fuel 3.0											
M	1.5	1.5	1.0	1.0											
N	0.0	0.0	0.0	0.5											
I	1.0	1.0	2.0	0.0											
SPBR	1.0	1.0	2.0	—											
					Cruise Spd. CL: 4.5 Restr. Arcs: 180L Climb Spd.: 3.5 Blind Arcs: 30– Visibility: 4 Internal Fuel: 130 Size: +1 AtA Refuel: No Vulnerability: +1 Ejection Seat: Early										
					No lag or displacement rolls if speed ≥ 5.0.										
Speeds and Ceilings															
Alt. Band	Conf. Ceil.	CL 54	1/2 50	DT 46	Dive Speed	CL AB	Oth	1/2 AB	Oth	DT AB	Oth				
EH+	46+	3.0 – 6.0	3.0 – 5.5	3.5 – 5.0	6.5	1.0	0.5	1.0	0.5	1.0	0.5	EH+			
VH	36–45	2.5 – 6.0	3.0 – 5.5	3.0 – 5.0	6.5	1.0	0.5	1.0	0.5	1.0	0.5	VH			
HI	26–35	2.0 – 6.0	2.5 – 6.0	2.5 – 5.5	7.0	1.5	0.5	1.0	0.5	1.0	0.5	HI			
MH	17–25	1.5 – 6.5	2.0 – 6.0	2.0 – 5.5	7.0	1.5	1.0	1.5	0.5	1.0	0.5	MH			
ML	8–16	1.0 – 7.0	1.5 – 6.5	1.5 – 5.5	7.5	2.0	1.0	1.5	1.0	1.5	0.5	ML			
LO	0–7	1.0 – 6.5	1.5 – 6.0	1.5 – 5.5	7.5	2.0	1.0	2.0	1.0	1.5	1.0	LO			
Radar: RP-1 Izumrud				ECM:	IFF	Weapon Stations Diagram:									
ECCM:	0			RWR:	—										
Arcs:	Limited			DDS:	—										
Search:	18–6			DJM:	—										
Track:	6–6			AJM:	—										
Lock-On:	6			BJM:	—										
Guns: Three 23 mm NR-23				Technology:			Load Point Limits:								
To Hit:	5/3/2			None			CL : < 3								
Ammunition:	3.0						1/2: < 5								
Gunsight:	TT+0/HT+2/BT+3						Weight Limit: 2,500								
Ranging:	RE						DT : ≥ 5								
AtA/AtG:	5/5						Station 1 and 2								
Bomb System: Manual							Limit	Allowed Loads							
							700	BB	RK	RP	FT	IRM			
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
Notes:															
1. The Shenyang J-5A is an interceptor. It is a licensed version of the															

Shenyang JJ-5					Crew: Pilot and Observer									
					Maneuver DPs:									
Power APs/DPs: ○					LR/DR	2.0								
					VR	1.0								
					Turn DPs:									
					CL	1/2	DT							
					TT	0.5	0.5	1.0						
					HT	1.0	1.0	1.0						
					BT	1.5	1.5	2.0						
					ET	2.0	2.0	—						
					No lag or displacement rolls if speed \geq 5.0.									
Speeds and Ceilings														
Alt. Band	Conf. Ceil.	CL 54	1/2 50	DT 46	Dive Speed	CL AB	1/2 AB	DT AB						
EH+	46+	3.0 – 6.0	3.0 – 5.5	3.5 – 5.0	6.5	—	0.5	—	0.5	EH+				
VH	36–45	2.5 – 6.0	3.0 – 5.5	3.0 – 5.0	6.5	—	0.5	—	0.5	VH				
HI	26–35	2.0 – 6.0	2.5 – 6.0	2.5 – 5.5	7.0	—	0.5	—	0.5	HI				
MH	17–25	1.5 – 6.5	2.0 – 6.0	2.0 – 5.5	7.0	—	1.0	—	0.5	MH				
ML	8–16	1.0 – 7.0	1.5 – 6.5	1.5 – 5.5	7.5	—	1.0	—	0.5	ML				
LO	0–7	1.0 – 6.5	1.5 – 6.0	1.5 – 5.5	7.5	—	1.0	—	1.0	LO				
Radar:		—	ECM:		IFF	Weapon Stations Diagram:								
ECCM:	—	—	RWR:	—	—									
Arcs:	—	—	DDS:	—	—									
Search:	—	—	DJM:	—	—									
Track:	—	—	AJM:	—	—									
Lock-On:	—	—	BJM:	—	—									
Guns:		One 23 mm NR-23	Technology:		Load Point Limits:									
To Hit:	4/2/1	—	None		CL : < 3									
Ammunition:	3.0	—			1/2: < 5									
Gunsight:	TT+0/HT+2/BT+3	—			Weight Limit: 2,500									
Ranging:	—	—			DT : \geq 5									
AtA/AtG:	3/2	—			Station 1 and 2									
Bomb System:		Manual			Limit 700 BB RK RP FT IRM									
Notes:														
1. The Shenyang JJ-5 is a trainer. It is a development of the J-5, with a similar cockpit config to the MiG-15UTI, the non-afterburning Klimov VK-1A engine from the early MiG-17, and retained only the belly 23 mm cannon.														
2. High transonic drag (HTD). Low roll rate (LRR) if speed \geq 4.0.														
VPs: 11/7/4/2								v3.0000000 0000-00T00:00:00						

Shenyang FT-5					Crew: Pilot and Observer										
					Maneuver DPs:										
Power APs/DPs: ○					LR/DR	2.0									
AB CL 1/2 DT Fuel					VR	1.0									
M 1.5 1.5 1.0 1.0					Turn DPs:										
N 0.0 0.0 0.0 0.5					CL	1/2	DT								
I 1.0 1.0 2.0 0.0					TT	0.5	0.5	1.0							
SPBR 1.0 1.0 2.0 —					HT	1.0	1.0	1.0							
Cruise Spd. CL: 4.5 Restr. Arcs: 180L					BT	1.5	1.5	2.0							
Climb Spd.: 3.5 Blind Arcs: 30–					ET	2.0	2.0	—							
Visibility: 4 Internal Fuel: 130					No lag or displacement rolls if speed ≥ 5.0.										
Size: +1 AtA Refuel: No															
Vulnerability: +1 Ejection Seat: Early															
Speeds and Ceilings															
Alt. Band	Conf. Ceil.	CL 54	1/2 50	DT 46	Dive Speed	CL AB	1/2 AB	DT AB							
EH+	46+	3.0 – 6.0	3.0 – 5.5	3.5 – 5.0	6.5	—	0.5	—	0.5	EH+					
VH	36–45	2.5 – 6.0	3.0 – 5.5	3.0 – 5.0	6.5	—	0.5	—	0.5	VH					
HI	26–35	2.0 – 6.0	2.5 – 6.0	2.5 – 5.5	7.0	—	0.5	—	0.5	HI					
MH	17–25	1.5 – 6.5	2.0 – 6.0	2.0 – 5.5	7.0	—	1.0	—	0.5	MH					
ML	8–16	1.0 – 7.0	1.5 – 6.5	1.5 – 5.5	7.5	—	1.0	—	0.5	ML					
LO	0–7	1.0 – 6.5	1.5 – 6.0	1.5 – 5.5	7.5	—	1.0	—	1.0	LO					
Radar:		—	ECM:	IFF	Weapon Stations Diagram:										
ECCM:	—	—	RWR:	—											
Arcs:	—	—	DDS:	—											
Search:	—	—	DJM:	—											
Track:	—	—	AJM:	—											
Lock-On:	—	—	BJM:	—											
Guns:		One 23 mm NR-23	Technology:	None	Load Point Limits:										
To Hit:	4/2/1				CL : < 3										
Ammunition:	3.0				1/2: < 5										
Gunsight:	TT+0/HT+2/BT+3				Weight Limit: 2,500										
Ranging:	—				DT : ≥ 5										
AtA/AtG:	3/2				Station 1 and 2										
Bomb System:	Manual				Limit Allowed Loads										
Notes:															
1. The Shenyang FT-5 is a trainer. It is a development of the J-5, with a similar cockpit config to the MiG-15UTI, the non-afterburning Klimov VK-1A engine from the early MiG-17, and retained only the belly 23 mm cannon. It is the export version of the JJ-5.															
2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.															
VPs: 11/7/4/2							v3.0000000	0000-00-00T00:00:00							

Shenyang J-6 and F-6



The Shenyang J-6 was a day fighter, interceptor, and trainer. It was derived from the MiG-19.

Versions

J-6 and F-6

The J-6 was a day fighter similar to the MiG-19S. It was manufactured starting in 1961 and continued at least into the 1980s. The F-6 was the export version.

The J-6 was a mainstay of the PLAAF and PLAN until replaced by more modern types in the late 1990s. The F-6 was exported to Albania, Bangladesh, Cambodia, Egypt, Iran, Iraq, Myanmar, North Korea, Pakistan, Sudan, Somalia, Tanzania, Vietnam, and Zambia.

The F-6 was used by the Pakistan Air Force from 1965 to 2002, and was modified with a more modern ejector seat, two additional weapon stations wired to carry AIM-9 IRMs, and the ability to carry a special ventral fuel tank.

J-6A

The J-6A was an interceptor similar to the MiG-19P. It was manufactured starting in 1958. From 1975, it could be equipped with PL-2 IRMs.

The J-6A served with the PLAAF.

J-6B

The J-6B was a missile-armed interceptor similar to the MiG-19PM and equipped with PL-1 BRMs.

The J-6B served with the PLAAF.

J-6C and F-6C

The J-6C was a later version of the J-6, with the brake parachute moved to a fairing at the base of the rudder and other minor changes. The F-6C was the export version.

The J-6C served with the PLAAF. The F-6C was exported to Somalia, Sudan, and Tanzania.

JJ-6 and FT-6

The Shenyang JJ-6 was a trainer. It was a modified version of the Shenyang J-6, with a second cockpit and only one cannon. The FT-6 was the export version.

The JJ-6 was used by the PLAAF. The FT-6 was used by Albania, Egypt, Pakistan, Somalia, Sudan, Tanzania, and Zambia.

Armament and Stores

The two internal 30 mm cannons were the primary air-to-air weapons in the early years. In later years, these were supplemented by PL-2 IRMs in the J-6A and PL-1 BRMs in the J-6B. F-6s in the Pakistan Air Force also carried AIM-9 IRMs.

For air-to-ground missions, typical loads would be 500 lb or 250 kg bombs and ORO-57 rocket pods.

Given the short endurance on internal fuel, 760L fuel tanks were carried on almost all missions.

Combat

Chinese PLAAF J-6s shot down a USAF F-104C that had strayed over Hainan Island in 1965. PLAAF J-6s engaged ROCAF F-104Gs during the 1967 Taiwan Strait Conflict.

The F-6 saw combat with the Pakistan Air Force in the 1971 Indo-Pakistan War, with the VPAF from 1969 until the fall of South Vietnam in 1975, with the Tanzanian Air Force in the 1978-1979 Uganda-Tanzania War, with both sides in the Iran-Iraq War, with the Somali Air Force in border skirmishes with Ethiopia in 1981 and later during the Somali Rebellion, and with the Sudanese Air Force in the Second Sudanese Civil War in the 1980s and early 1990s.

ADCs

- Shenyang J-6
- Shenyang F-6
- Shenyang F-6 (PAF)
- Shenyang J-6A
- Shenyang J-6B
- Shenyang J-6C
- Shenyang F-6C
- Shenyang JJ-6
- Shenyang FT-6

See Also

- Mikoyan-Gurevich MiG-19

Photo Credit

- J-6: Alert5 (CC BY-SA 4.0)

Shenyang J-6					Crew: Pilot															
					Maneuver DPs:															
Power APs/DPs: ○○					LR/DR 1.5 VR 1.0															
AB	CL 3.5	1/2 3.0	DT 2.5	Fuel 5.0																
M	2.5	2.0	2.0	2.0																
N	0.0	0.0	0.0	1.0																
I	1.0	1.0	1.0	0.0																
SPBR	1.0	2.0	2.0	—																
					Cruise Spd. CL: 5.5 Restr. Arcs: 60– Climb Spd.: 4.5 Blind Arcs: 30– Visibility: 5 Internal Fuel: 180 Size: +0 AtA Refuel: No Vulnerability: +1 Ejection Seat: Early															
					Turn DPs: CL 1/2 DT TT 1.0 1.0 1.0 HT 1.5 1.5 1.5 BT 2.0 2.0 2.0 ET 2.0 2.5 —															
Speeds and Ceilings																				
Alt. Band	Conf. Ceil.	CL 58	1/2 53	DT 48	Dive Speed	CL AB	1/2 Oth	CL AB	1/2 Oth	DT AB	DT Oth									
EH+	46+	3.5 – 8.0	4.0 – 7.5	4.5 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5	EH+								
VH	36–45	3.0 – 8.5	3.5 – 8.0	4.0 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5	VH								
HI	26–35	3.0 – 9.0	3.0 – 8.0	3.0 – 7.5	10.0	2.0	0.5	1.0	0.5	1.0	0.5	HI								
MH	17–25	2.5 – 8.5	3.0 – 8.0	3.0 – 7.0	9.0	3.0	1.0	2.0	1.0	1.0	0.5	MH								
ML	8–16	2.5 – 7.5	2.5 – 7.0	2.5 – 6.5	8.5	4.0	2.0	3.0	1.0	2.0	1.0	ML								
LO	0–7	2.0 – 7.0	2.5 – 6.5	2.5 – 6.0	8.0	5.0	2.0	4.0	1.0	3.0	1.0	LO								
Radar: —				ECM: IFF	Weapon Stations Diagram:															
ECCM:	—			RWR: A																
Arcs:	—			DDS: —																
Search:	—			DJM: —																
Track:	—			AJM: —																
Lock-On:	—			BJM: —																
Guns: Three 30 mm NR-30				Technology: None	Load Point Limits: CL : < 3 1/2: < 7															
To Hit:	6/3/2				Weight Limit: 3,900 DT : ≥ 7															
Ammunition:	2.5				Station Limit Allowed Loads															
Gunsight:	TT+0/HT+2/BT+3				1 and 4	1,400 FT														
Ranging:	—				2 and 3	550 BB RP RK DR														
AtA/AtG:	6/9				Load Notes:															
Bomb System: Manual					1. May use 760L FTs on stations 1 and 4. 2. May use ORO-57K RPs or DRs each with two ORO-57K RPs on stations 2 and 3.															
Notes:																				
1. The Shenyang J-6 is a day fighter. It is licensed version of the MiG-19S. The NATO reporting name for the aircraft is Farmer-C. 2. If a BT or ET is performed in the HI+ altitude bands, roll one die for each facing change after the first. On a 1 the aircraft suffers a maneuvering departure.																				
VPs: 16/11/5/3										v3.0000000	0000-00-00T00:00:00									

Shenyang F-6					Crew: Pilot																
					Maneuver DPs:																
Power APs/DPs: ○○					LR/DR 1.5 VR 1.0																
CL 1/2 DT Fuel																					
AB	3.5	3.0	2.5	5.0																	
M	2.5	2.0	2.0	2.0																	
N	0.0	0.0	0.0	1.0																	
I	1.0	1.0	1.0	0.0																	
SPBR	1.0	2.0	2.0	—																	
					Cruise Spd. CL: 5.5 Restr. Arcs: 60– Climb Spd.: 4.5 Blind Arcs: 30– Visibility: 5 Internal Fuel: 180 Size: +0 AtA Refuel: No Vulnerability: +1 Ejection Seat: Early																
Speeds and Ceilings																					
Alt. Band	Conf. Ceil.	CL 58	1/2 53	DT 48	Dive Speed	CL AB	1/2 Oth	CL AB	1/2 Oth	DT AB	DT Oth										
EH+	46+	3.5 – 8.0	4.0 – 7.5	4.5 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5	EH+									
VH	36–45	3.0 – 8.5	3.5 – 8.0	4.0 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5	VH									
HI	26–35	3.0 – 9.0	3.0 – 8.0	3.0 – 7.5	10.0	2.0	0.5	1.0	0.5	1.0	0.5	HI									
MH	17–25	2.5 – 8.5	3.0 – 8.0	3.0 – 7.0	9.0	3.0	1.0	2.0	1.0	1.0	0.5	MH									
ML	8–16	2.5 – 7.5	2.5 – 7.0	2.5 – 6.5	8.5	4.0	2.0	3.0	1.0	2.0	1.0	ML									
LO	0–7	2.0 – 7.0	2.5 – 6.5	2.5 – 6.0	8.0	5.0	2.0	4.0	1.0	3.0	1.0	LO									
Radar: —				ECM: IFF				Weapon Stations Diagram:													
ECCM:	—			RWR:	A																
Arcts:	—			DDS:	—																
Search:	—			DJM:	—																
Track:	—			AJM:	—																
Lock-On:	—			BJM:	—																
Guns: Three 30 mm NR-30				Technology: None				Load Point Limits: CL : < 3 1/2: < 7													
To Hit:	6/3/2							Weight Limit: 3,900 DT : ≥ 7													
Ammunition:	2.5							Station Limit Allowed Loads													
Gunsight:	TT+0/HT+2/BT+3							1 and 4	1,400 FT												
Ranging:	—							2 and 3	550 BB RP RK DR												
AtA/AtG:	6/9							Load Notes:													
Bomb System: Manual								1. May use 760L FTs on stations 1 and 4. 2. May use ORO-57K RPs or DRs each with two ORO-57K RPs on stations 2 and 3.													
Notes:																					
1. The Shenyang F-6 is a day fighter. It is the export version of the Shenyang J-6 and a licensed version of the MiG-19S. The NATO reporting name for the aircraft is Farmer-C. 2. If a BT or ET is performed in the HI+ altitude bands, roll one die for each facing change after the first. On a 1 the aircraft suffers a maneuvering departure.																					
VPs: 16/11/5/3										v3.0000000 0000-00T00:00:00											

Shenyang F-6 (PAF)									Crew: Pilot		
									Maneuver DPs:		
									LR/DR	1.5	
									VR	1.0	
Power APs/DPs:									Turn DPs:		
	CL	1/2	DT	Fuel					CL	1/2	DT
AB	3.5	3.0	2.5	5.0					TT	1.0	1.0
M	2.5	2.0	2.0	2.0					HT	1.5	1.5
N	0.0	0.0	0.0	1.0					BT	2.0	2.0
I	1.0	1.0	1.0	0.0	Cruise Spd. CL:	5.5	Restr. Arcs:	60-	ET	2.0	2.5
SPBR	1.0	2.0	2.0	—	Climb Spd.:	4.5	Blind Arcs:	30-			—
					Visibility:	5	Internal Fuel:	180			
					Size:	+0	AtA Refuel:	No			
					Vulnerability:	+1	Ejection Seat:	Std			

Speeds and Ceilings						Climb Capabilities					
Alt.	Conf.	CL	1/2	DT	Dive Speed	CL AB	CL Oth	1/2 AB	1/2 Oth	DT AB	DT Oth
Band	Ceil.	58	53	48							
EH+	46+	3.5 – 8.0	4.0 – 7.5	4.5 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5
VH	36–45	3.0 – 8.5	3.5 – 8.0	4.0 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5
HI	26–35	3.0 – 9.0	3.0 – 8.0	3.0 – 7.5	10.0	2.0	0.5	1.0	0.5	1.0	0.5
MH	17–25	2.5 – 8.5	3.0 – 8.0	3.0 – 7.0	9.0	3.0	1.0	2.0	1.0	1.0	0.5
ML	8–16	2.5 – 7.5	2.5 – 7.0	2.5 – 6.5	8.5	4.0	2.0	3.0	1.0	2.0	1.0
LO	0–7	2.0 – 7.0	2.5 – 6.5	2.5 – 6.0	8.0	5.0	2.0	4.0	1.0	3.0	1.0

Radar:	—	ECM:	IFF	Weapon Stations Diagram:
ECCM:	—	RWR:	A	
Arcs:	—	DDS:	—	
Search:	—	DJM:	—	
Track:	—	AJM:	—	
Lock-On:	—	BJM:	—	
Guns:	Three 30 mm NR-30	Technology:		Load Point Limits: CL : < 3 1/2: < 7
To Hit:	6/3/2	None		Weight Limit: 3,900 DT : ≥ 7
Ammunition:	2.5			
Gunsight:	TT+0/HT+2/BT+3			
Ranging:	—			
AtA/AtG:	6/9			
Bomb System:	Manual			Station Limit Allowed Loads
Notes:				1 and 7 200 IRM
1.	The Shenyang F-6 is a day fighter. It is the export version of the Shenyang J-6 and a licensed version of the MiG-19S. The "PAF" version is modified with two additional stations for AIM-9 IRMs, a ventral fuel tank, and an improved ejection seat. The NATO reporting name for the aircraft is Farmer-C.			2 and 6 1,400 BB RP RK FT
2.	If a BT or ET is performed in the HI+ altitude bands, roll one die for each facing change after the first. On a 1 the aircraft suffers a maneuvering departure.			3 and 5 550 BB RP RK
				4 1,400 FT
				Load Notes:
				1. May use AIM-9 IRMs on stations 1 and 7.
				2. May use 760L FTs on stations 2 and 6.
				3. May use SNEB 68 mm RPs on stations 3 and 5.
				4. May only use a special ventral conformal 750L FT on station 4. The fuel tank has a full weight of 1400, a load of 3.0/2.0, and a capacity of 65 fuel points.
				VPs: 16/11/5/3 v3 0000000 0000-00-00T00:00:00

Shenyang J-6A					Crew: Pilot																
					Maneuver DPs:																
Power APs/DPs: ○○					LR/DR 1.5 VR 1.0																
CL 1/2 DT Fuel																					
AB	3.5	3.0	2.5	5.0																	
M	2.5	2.0	2.0	2.0																	
N	0.0	0.0	0.0	1.0																	
I	1.0	1.0	1.0	0.0																	
SPBR	1.0	2.0	2.0	—																	
					Cruise Spd. CL: 5.5 Restr. Arcs: 60– Climb Spd.: 4.5 Blind Arcs: 30– Visibility: 5 Internal Fuel: 180 Size: +0 AtA Refuel: No Vulnerability: +1 Ejection Seat: Early																
Speeds and Ceilings																					
Alt. Band	Conf. Ceil.	CL 58	1/2 53	DT 48	Dive Speed	CL AB	1/2 Oth	CL AB	1/2 Oth	DT AB	DT Oth										
EH+	46+	3.5 – 8.0	4.0 – 7.5	4.5 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5	EH+									
VH	36–45	3.0 – 8.5	3.5 – 8.0	4.0 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5	VH									
HI	26–35	3.0 – 9.0	3.0 – 8.0	3.0 – 7.5	10.0	2.0	0.5	1.0	0.5	1.0	0.5	HI									
MH	17–25	2.5 – 8.5	3.0 – 8.0	3.0 – 7.0	9.0	3.0	1.0	2.0	1.0	1.0	0.5	MH									
ML	8–16	2.5 – 7.5	2.5 – 7.0	2.5 – 6.5	8.5	4.0	2.0	3.0	1.0	2.0	1.0	ML									
LO	0–7	2.0 – 7.0	2.5 – 6.5	2.5 – 6.0	8.0	5.0	2.0	4.0	1.0	3.0	1.0	LO									
Radar: RP-1 Izumrud				ECM:	IFF	Weapon Stations Diagram:															
ECCM:	0			RWR:	A																
Arcts:	Limited			DDS:	—																
Search:	18–6			DJM:	—																
Track:	6–6			AJM:	—																
Lock-On:	7			BJM:	—																
Guns: Two 30 mm NR-30				Technology:			Load Point Limits:														
To Hit:	5/3/1			None			CL : < 3 1/2: < 7														
Ammunition:	2.5						Weight Limit: 3,900														
Gunsight:	TT+0/HT+2/BT+3						DT : ≥ 7														
Ranging:	RE																				
AtA/AtG:	5/6																				
Bomb System: Manual							Station Limit Allowed Loads														
							1 and 6 200 IRM														
							2 and 5 1,400 FT														
							3 and 4 550 BB RP RK DR														
Notes:																					
1. The Shenyang J-6A is an interceptor. It is derived from the MiG-19P. The NATO reporting name for the aircraft is Farmer-D and for the radar is Scan Odd. 2. If a BT or ET is performed in the HI+ altitude bands, roll one die for each facing change after the first. On a 1 the aircraft suffers a maneuvering departure.																					
VPs: 16/11/5/3										v3.0000000 0000-00-00T00:00:00											

Shenyang J-6B					Crew: Pilot																
					Maneuver DPs:																
Power APs/DPs: ○○					LR/DR 1.5 VR 1.0																
CL 1/2 DT Fuel																					
AB	3.5	3.0	2.5	5.0																	
M	2.5	2.0	2.0	2.0																	
N	0.0	0.0	0.0	1.0																	
I	1.0	1.0	1.0	0.0																	
SPBR	1.0	2.0	2.0	—																	
					Cruise Spd. CL: 5.5 Restr. Arcs: 60– Climb Spd.: 4.5 Blind Arcs: 30– Visibility: 5 Internal Fuel: 180 Size: +0 AtA Refuel: No Vulnerability: +1 Ejection Seat: Early																
Speeds and Ceilings																					
Alt. Band	Conf. Ceil.	CL 58	1/2 53	DT 48	Dive Speed	CL AB	1/2 Oth	CL AB	1/2 Oth	DT AB	DT Oth										
EH+	46+	3.5 – 8.0	4.0 – 7.5	4.5 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5	EH+									
VH	36–45	3.0 – 8.5	3.5 – 8.0	4.0 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5	VH									
HI	26–35	3.0 – 9.0	3.0 – 8.0	3.0 – 7.5	10.0	2.0	0.5	1.0	0.5	1.0	0.5	HI									
MH	17–25	2.5 – 8.5	3.0 – 8.0	3.0 – 7.0	9.0	3.0	1.0	2.0	1.0	1.0	0.5	MH									
ML	8–16	2.5 – 7.5	2.5 – 7.0	2.5 – 6.5	8.5	4.0	2.0	3.0	1.0	2.0	1.0	ML									
LO	0–7	2.0 – 7.0	2.5 – 6.5	2.5 – 6.0	8.0	5.0	2.0	4.0	1.0	3.0	1.0	LO									
Radar: RP-1 Izumrud				ECM:	IFF	Weapon Stations Diagram:															
ECCM:	0			RWR:	A																
Arcs:	Limited			DDS:	—																
Search:	18–6			DJM:	—																
Track:	6–6			AJM:	—																
Lock-On:	7			BJM:	—																
Guns: —				Technology: None				Load Point Limits: CL : < 3 1/2: < 7													
To Hit:	—							Weight Limit: 3,900 DT : ≥ 7													
Ammunition:	—							Station Limit Allowed Loads													
Gunsight:	TT+0/HT+2/BT+3							1 and 6 1,400 FT													
Ranging:	RE							2–3 and 4–5 200 BRM RHM													
AtA/AtG:	—							Load Notes:													
Bomb System:	Manual							1. May use 760L FTs on stations 1 and 6. 2. May use PL-1 BRMs.													
Notes:																					
1. The Shenyang J-6B is an interceptor. It is derived from the MiG-19PM. The NATO reporting name for the aircraft is Farmer-E and for the radar is Scan Odd. 2. If a BT or ET is performed in the HI+ altitude bands, roll one die for each facing change after the first. On a 1 the aircraft suffers a maneuvering departure.																					
VPs: 16/11/5/3										v3.0000000	0000-00-00T00:00:00										

Shenyang J-6C					Crew: Pilot													
					Maneuver DPs:													
Power APs/DPs: ○○					LR/DR 1.5 VR 1.0													
CL 1/2 DT Fuel																		
AB	3.5	3.0	2.5	5.0														
M	2.5	2.0	2.0	2.0														
N	0.0	0.0	0.0	1.0														
I	1.0	1.0	1.0	0.0														
SPBR	1.0	2.0	2.0	—														
					Cruise Spd. CL: 5.5 Restr. Arcs: 60– Climb Spd.: 4.5 Blind Arcs: 30– Visibility: 5 Internal Fuel: 180 Size: +0 AtA Refuel: No Vulnerability: +1 Ejection Seat: Early													
Speeds and Ceilings																		
Alt. Band	Conf. Ceil.	CL 58	1/2 53	DT 48	Dive Speed	CL AB	1/2 Oth	CL AB	1/2 Oth	DT AB	DT Oth							
EH+	46+	3.5 – 8.0	4.0 – 7.5	4.5 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5	EH+						
VH	36–45	3.0 – 8.5	3.5 – 8.0	4.0 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5	VH						
HI	26–35	3.0 – 9.0	3.0 – 8.0	3.0 – 7.5	10.0	2.0	0.5	1.0	0.5	1.0	0.5	HI						
MH	17–25	2.5 – 8.5	3.0 – 8.0	3.0 – 7.0	9.0	3.0	1.0	2.0	1.0	1.0	0.5	MH						
ML	8–16	2.5 – 7.5	2.5 – 7.0	2.5 – 6.5	8.5	4.0	2.0	3.0	1.0	2.0	1.0	ML						
LO	0–7	2.0 – 7.0	2.5 – 6.5	2.5 – 6.0	8.0	5.0	2.0	4.0	1.0	3.0	1.0	LO						
Radar: —				ECM:	IFF	Weapon Stations Diagram:												
ECCM:	—			RWR:	A													
Arcs:	—			DDS:	—													
Search:	—			DJM:	—													
Track:	—			AJM:	—													
Lock-On:	—			BJM:	—													
Guns: Three 30 mm NR-30				Technology:				Load Point Limits:										
To Hit:	6/3/2			None				CL : < 3										
Ammunition:	2.5							1/2: < 7										
Gunsight:	TT+0/HT+2/BT+3							Weight Limit: 3,900										
Ranging:	—							DT : ≥ 7										
AtA/AtG:	6/9																	
Bomb System: Manual								Station										
								Limit Allowed Loads										
								1 and 4	1,400	FT								
								2 and 3	550	BB RP RK DR								
Notes:																		
1. The Shenyang J-6C is a day fighter. It is a slightly modified version of the Shenyang J-6. The NATO reporting name for the aircraft is Farmer-C. 2. If a BT or ET is performed in the HI+ altitude bands, roll one die for each facing change after the first. On a 1 the aircraft suffers a maneuvering departure.																		
VPs: 16/11/5/3										v3.0000000 0000-00-00T00:00:00								

Shenyang F-6C					Crew: Pilot							
					Maneuver DPs:							
Power APs/DPs: ○○					LR/DR 1.5 VR 1.0							
CL 1/2 DT Fuel												
AB	3.5	3.0	2.5	5.0								
M	2.5	2.0	2.0	2.0								
N	0.0	0.0	0.0	1.0								
I	1.0	1.0	1.0	0.0								
SPBR	1.0	2.0	2.0	—								
					Cruise Spd. CL: 5.5 Restr. Arcs: 60– Climb Spd.: 4.5 Blind Arcs: 30– Visibility: 5 Internal Fuel: 180 Size: +0 AtA Refuel: No Vulnerability: +1 Ejection Seat: Early							
					Turn DPs:							
					CL 1/2 DT TT 1.0 1.0 1.0 HT 1.5 1.5 1.5 BT 2.0 2.0 2.0 ET 2.0 2.5 —							
Speeds and Ceilings					Climb Capabilities							
Alt. Band	Conf. Ceil.	CL 58	1/2 53	DT 48	Dive Speed	CL AB	1/2 Oth	DT AB	1/2 Oth	DT AB	1/2 Oth	
EH+	46+	3.5 – 8.0	4.0 – 7.5	4.5 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5	EH+
VH	36–45	3.0 – 8.5	3.5 – 8.0	4.0 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5	VH
HI	26–35	3.0 – 9.0	3.0 – 8.0	3.0 – 7.5	10.0	2.0	0.5	1.0	0.5	1.0	0.5	HI
MH	17–25	2.5 – 8.5	3.0 – 8.0	3.0 – 7.0	9.0	3.0	1.0	2.0	1.0	1.0	0.5	MH
ML	8–16	2.5 – 7.5	2.5 – 7.0	2.5 – 6.5	8.5	4.0	2.0	3.0	1.0	2.0	1.0	ML
LO	0–7	2.0 – 7.0	2.5 – 6.5	2.5 – 6.0	8.0	5.0	2.0	4.0	1.0	3.0	1.0	LO
Radar: —				ECM: IFF				Weapon Stations Diagram:				
ECCM:	—			RWR:	A							
Arcs:	—			DDS:	—							
Search:	—			DJM:	—							
Track:	—			AJM:	—							
Lock-On:	—			BJM:	—							
Guns: Three 30 mm NR-30				Technology:				Load Point Limits:				
To Hit:	6/3/2			None				CL : < 3				
Ammunition:	2.5							1/2: < 7				
Gunsight:	TT+0/HT+2/BT+3											
Ranging:	—											
AtA/AtG:	6/9											
Bomb System: Manual								Weight Limit: 3,900				
								DT : ≥ 7				
								Station				
								Limit Allowed Loads				
								1 and 4 1,400 FT				
								2 and 3 550 BB RP RK DR				
								Load Notes:				
								1. May use 760L FTs on stations 1 and 4.				
								2. May use ORO-57K RPs or DRs each with two ORO-57K RPs on stations 2 and 3.				
Notes:												
1. The Shenyang F-6C is a day fighter. It is the export version of the Shenyang J-6C and a licensed version of the MiG-19S. The NATO reporting name for the aircraft is Farmer-C.												
2. If a BT or ET is performed in the HI+ altitude bands, roll one die for each facing change after the first. On a 1 the aircraft suffers a maneuvering departure.												
VPs: 16/11/5/3								v3.0000000 0000-00-00T00:00:00				

Shenyang JJ-6					Crew: Pilot and Observer																
					Maneuver DPs:																
Power APs/DPs: ○○					LR/DR 1.5 VR 1.0																
CL 1/2 DT Fuel																					
AB	3.5	3.0	2.5	5.0																	
M	2.5	2.0	2.0	2.0																	
N	0.0	0.0	0.0	1.0																	
I	1.0	1.0	1.0	0.0																	
SPBR	1.0	2.0	2.0	—																	
					Cruise Spd. CL: 5.5 Restr. Arcs: 60– Climb Spd.: 4.5 Blind Arcs: 30– Visibility: 5 Internal Fuel: 180 Size: +0 AtA Refuel: No Vulnerability: +1 Ejection Seat: Early																
Speeds and Ceilings																					
Alt. Band	Conf. Ceil.	CL 58	1/2 53	DT 48	Dive Speed	CL AB	1/2 Oth	CL AB	1/2 Oth	DT AB	DT Oth										
EH+	46+	3.5 – 8.0	4.0 – 7.5	4.5 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5	EH+									
VH	36–45	3.0 – 8.5	3.5 – 8.0	4.0 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5	VH									
HI	26–35	3.0 – 9.0	3.0 – 8.0	3.0 – 7.5	10.0	2.0	0.5	1.0	0.5	1.0	0.5	HI									
MH	17–25	2.5 – 8.5	3.0 – 8.0	3.0 – 7.0	9.0	3.0	1.0	2.0	1.0	1.0	0.5	MH									
ML	8–16	2.5 – 7.5	2.5 – 7.0	2.5 – 6.5	8.5	4.0	2.0	3.0	1.0	2.0	1.0	ML									
LO	0–7	2.0 – 7.0	2.5 – 6.5	2.5 – 6.0	8.0	5.0	2.0	4.0	1.0	3.0	1.0	LO									
Radar: —				ECM: IFF				Weapon Stations Diagram:													
ECCM:	—			RWR:	A																
Arcts:	—			DDS:	—																
Search:	—			DJM:	—																
Track:	—			AJM:	—																
Lock-On:	—			BJM:	—																
Guns: One 30 mm NR-30				Technology: None				Load Point Limits: CL : < 3 1/2: < 7													
To Hit:	6/3/2							Weight Limit: 3,900 DT : ≥ 7													
Ammunition:	2.5							Station Limit Allowed Loads													
Gunsight:	TT+0/HT+2/BT+3							1 and 4	1,400 FT												
Ranging:	—							2 and 3	550 BB RP RK DR												
AtA/AtG:	4/3							Load Notes:													
Bomb System: Manual								1. May use 760L FTs on stations 1 and 4. 2. May use ORO-57K RPs or DRs each with two ORO-57K RPs on stations 2 and 3.													
Notes:																					
1. The Shenyang JJ-6 is a trainer. It is a modified version of the Shenyang J-6, with a second cockpit and only one cannon. 2. If a BT or ET is performed in the HI+ altitude bands, roll one die for each facing change after the first. On a 1 the aircraft suffers a maneuvering departure.																					
VPs: 14/9/5/2										v3.0000000	0000-00-00T00:00:00										

Shenyang FT-6					Crew: Pilot and Observer															
					Maneuver DPs:															
Power APs/DPs: ○○					LR/DR 1.5 VR 1.0															
CL 1/2 DT Fuel																				
AB	3.5	3.0	2.5	5.0																
M	2.5	2.0	2.0	2.0																
N	0.0	0.0	0.0	1.0																
I	1.0	1.0	1.0	0.0																
SPBR	1.0	2.0	2.0	—																
					Cruise Spd. CL: 5.5 Restr. Arcs: 60– Climb Spd.: 4.5 Blind Arcs: 30– Visibility: 5 Internal Fuel: 180 Size: +0 AtA Refuel: No Vulnerability: +1 Ejection Seat: Early															
Speeds and Ceilings																				
Alt. Band	Conf. Ceil.	CL 58	1/2 53	DT 48	Dive Speed	CL AB	1/2 Oth	CL AB	1/2 Oth	DT AB	DT Oth									
EH+	46+	3.5 – 8.0	4.0 – 7.5	4.5 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5	EH+								
VH	36–45	3.0 – 8.5	3.5 – 8.0	4.0 – 7.0	10.0	1.0	0.5	1.0	0.5	1.0	0.5	VH								
HI	26–35	3.0 – 9.0	3.0 – 8.0	3.0 – 7.5	10.0	2.0	0.5	1.0	0.5	1.0	0.5	HI								
MH	17–25	2.5 – 8.5	3.0 – 8.0	3.0 – 7.0	9.0	3.0	1.0	2.0	1.0	1.0	0.5	MH								
ML	8–16	2.5 – 7.5	2.5 – 7.0	2.5 – 6.5	8.5	4.0	2.0	3.0	1.0	2.0	1.0	ML								
LO	0–7	2.0 – 7.0	2.5 – 6.5	2.5 – 6.0	8.0	5.0	2.0	4.0	1.0	3.0	1.0	LO								
Radar: —				ECM: IFF	Weapon Stations Diagram:															
ECCM:	—			RWR: A																
Arcs:	—			DDS: —																
Search:	—			DJM: —																
Track:	—			AJM: —																
Lock-On:	—			BJM: —																
Guns: One 30 mm NR-30				Technology: None	Load Point Limits: CL : < 3 1/2: < 7															
To Hit:	6/3/2				Weight Limit: 3,900 DT : ≥ 7															
Ammunition:	2.5				Station Limit Allowed Loads															
Gunsight:	TT+0/HT+2/BT+3				1 and 4	1,400	FT	2 and 3	550	BB	RP	RK DR								
Ranging:	—				Load Notes:															
AtA/AtG:	4/3				1. May use 760L FTs on stations 1 and 4. 2. May use ORO-57K RPs or DRs each with two ORO-57K RPs on stations 2 and 3.															
Bomb System: Manual																				
Notes:																				
1. The Shenyang FT-6 is a trainer. It is the export version of the Shenyang JJ-6. 2. If a BT or ET is performed in the HI+ altitude bands, roll one die for each facing change after the first. On a 1 the aircraft suffers a maneuvering departure.																				
VPs: 14/9/5/2										v3.0000000 0000-00-00T00:00:00										