

Source One Spares - Platform Identification Guide

CRITICAL INSTRUCTION

DO NOT INFER platform relationships. Use ONLY the explicit mappings below. If a platform is not listed, mark as "NEEDS FURTHER ANALYSIS" rather than guessing.

MILITARY-TO-CIVILIAN PLATFORM MAPPINGS

Boeing Military Aircraft

Military Designation	Civilian Equivalent	Parts Commonality	Assessment
KC-46 Pegasus	Boeing 767	High	GO
P-8 Poseidon	Boeing 737	High	GO
C-40 Clipper	Boeing 737 BBJ	Very High	GO
C-32	Boeing 757	High	GO
VC-25 (Air Force One)	Boeing 747	High	GO
E-3 Sentry (AWACS)	Boeing 707	Medium	GO
E-6 Mercury	Boeing 707	Medium	GO
E-8 JSTARS	Boeing 707	Medium	GO
KC-135 Stratotanker	Boeing 707 variant	Medium	GO
E-4B	Boeing 747	High	GO
E-7 Wedgetail	Boeing 737	High	GO
KC-10 Extender	McDonnell Douglas DC-10	High	GO
C-17 Globemaster III	None - Pure Military	None	NO-GO

Other Transport Aircraft

Military Designation	Civilian Equivalent	Parts Commonality	Assessment
C-130 Hercules	L-100 (very limited civilian)	Low	NO-GO unless specifically L-100
C-27J Spartan	G.222 (minimal civilian)	Very Low	NO-GO
C-12 Huron (all variants)	Beechcraft King Air 200/350	Very High	GO
UC-12B/F/M/W	Beechcraft King Air	Very High	GO
C-26 Metroliner	Fairchild Metro/Merlin	High	GO
C-20 (A/B/C/D/E/F/G/H)	Gulfstream III/IV/V	Very High	GO
C-21	Learjet 35	Very High	GO
C-37 (A/B)	Gulfstream V/550	Very High	GO
UC-35 (all variants)	Cessna Citation	Very High	GO
C-47 Skytrain	Douglas DC-3	High	GO
P-3 Orion	L-188 Electra (limited)	Medium	CONDITIONAL
UV-18 Twin Otter	De Havilland DHC-6	Very High	GO
C-23 Sherpa	Shorts 330/360	High	GO
CN-235	CASA CN-235 (civilian cargo)	High	GO
C-144 Ocean Sentry	CASA CN-235	High	GO
HC-27J	C-27J (see above)	Military platform	NO-GO unless FAA standards
CL-415	Pure civilian firefighter	Very High	GO

Military Helicopters

Military Designation	Civilian Equivalent	Parts Commonality	Assessment
UH-60 Black Hawk	Sikorsky S-70	High	GO
MH-60 (all variants)	Sikorsky S-70	High	GO
HH-60 Pave Hawk	Sikorsky S-70	High	GO
VH-60	Sikorsky S-70	High	GO
MH-65 Dolphin	Eurocopter AS365	Very High	GO
UH-72 Lakota	Eurocopter EC145	Very High	GO
TH-57 Sea Ranger	Bell 206	Very High	GO
UH-1 (all variants)	Bell 204/205/212	High	GO
TH-67 Creek	Bell 206	Very High	GO
OH-58 Kiowa	Bell 206/407	High	GO
AH-64 Apache	None - Pure Military	None	NO-GO
CH-47 Chinook	Model 234 (very limited civilian)	Very Low	NO-GO unless specifically civilian
CH-53 (all variants)	Very limited civilian use	Very Low	NO-GO

Trainer Aircraft

Military Designation	Civilian Equivalent	Parts Commonality	Assessment
T-34 Mentor	Beechcraft Bonanza-based	Medium	GO
T-6 Texan II	Pilatus PC-9 derivative	Medium	GO
T-44 Pegasus	Beechcraft King Air 90	Very High	GO
T-1 Jayhawk	Beechcraft 400	High	GO

Special Mission Aircraft

Military Designation	Civilian Equivalent	Parts Commonality	Assessment
A-29 Super Tucano	EMB-314 (limited civilian)	Medium	CONDITIONAL
AT-802U	Air Tractor AT-802	Very High	GO
OA-10 Thunderbolt II	None - Pure Military	None	NO-GO
AC-130	C-130 base (see above)	Very Low	NO-GO

PURE CIVILIAN AIRCRAFT - ALWAYS GO

General Aviation

- All Cessna models (172, 182, 206, 208 Caravan, Citations, etc.)

- All Piper models
- All Beechcraft models (Bonanza, Baron, King Air, etc.)
- All Cirrus models
- All Diamond models
- Mooney aircraft
- Pilatus PC-12
- TBM series

Regional/Commercial

- All Bombardier CRJ/Q-Series/Dash-8
- All Embraer E-Jets and ERJ series
- All ATR models
- All Saab 340/2000
- All Fokker models (if still in service)

Business Jets

- All Gulfstream models
- All Learjet models
- All Challenger/Global models
- All Dassault Falcon models
- All Hawker models
- All Citation models

Helicopters

- All Bell civilian models (206, 407, 412, 429, etc.)
- All Airbus Helicopters models (AS350, EC120, EC135, EC145, etc.)
- All Sikorsky S-76, S-92
- All AgustaWestland civilian models
- Robinson R22, R44, R66

Special Mission Civilian

- All firefighting aircraft (CL-215, CL-415, DC-10 tankers, 747 tankers)
- All agricultural aircraft (Air Tractor, Thrush, etc.)

- All bush/utility aircraft (Maule, Quest Kodiak, etc.)
 - All amphibious aircraft (Viking Twin Otter, etc.)
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PURE MILITARY - TYPICALLY NO-GO

Fighter/Attack Aircraft

- F-15, F-16, F-18, F-22, F-35
- A-10 Thunderbolt II
- AV-8B Harrier
- All foreign fighters (Typhoon, Rafale, Gripen, etc.)

Bombers

- B-1B Lancer
- B-2 Spirit
- B-52 Stratofortress
- B-21 Raider

Military-Unique Platforms

- C-5 Galaxy (limited L-500 civilian never produced)
 - C-17 Globemaster III
 - C-130 Hercules (unless specifically L-100 civilian variant)
 - V-22 Osprey
 - E-2 Hawkeye
 - MQ-9 Reaper, MQ-1 Predator (UAVs)
 - All pure fighter/attack aircraft
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SPECIAL CASES & RULES

Foreign Military Sales (FMS)

- FMS opportunities often have relaxed source requirements
- May allow commercial standard parts even for military aircraft
- Generally a **POSITIVE indicator**

Coast Guard/DHS/CBP Aircraft - ALL ARE GO

All use civilian FAA standards and procurement rules

Aircraft	Base Platform	Parts Source	Assessment
HC-144A Ocean Sentry	CASA CN-235	Civilian	GO
HC-130H/J Hercules	C-130H/J	Military platform	NO-GO unless FAA standards specified
HC-27J Spartan	C-27J	Military platform	NO-GO unless civilian procurement specified
MH-60T Jayhawk	Sikorsky S-70/UH-60	Military/Civilian	GO
MH-65D/E Dolphin	Eurocopter AS365	Pure Civilian	GO
HH-65 Dolphin (older)	AS365 Dauphin	Pure Civilian	GO
HU-25 Guardian	Dassault Falcon 20	Pure Civilian	GO
HC-131A Samaritan	Convair C-131	Civilian cargo	GO
C-143A	Dornier 328	Pure Civilian	GO

CBP/DHS Aircraft Examples:

- P-3 Orion variants (CBP) | Lockheed P-3 | Military managed platform | **CONDITIONAL** - Check SAR
- AS350 A-Star (CBP) | Eurocopter AS350 | Pure Civilian | **GO**
- UH-60 Black Hawk (CBP) | Sikorsky S-70 | Military/Civilian | **CONDITIONAL** - Check SAR
- DHC-8 (various agencies) | Dash 8 | Pure Civilian | **GO**
- Beechcraft King Air (multi-agency) | Pure Civilian | **GO**

Note on P-3: Even though operated by CBP, the P-3 is managed by Navy program office and typically requires military source approval. However, based on L-188 Electra civilian heritage - good candidate for CO outreach if SAR present.

Important BD Strategy Note

Military SAR Opportunities - Contact Contracting Officer Protocol:

Even when Military Source Approval Required (SAR) is identified:

1. Document the opportunity in pipeline as "NO-GO - SAR Present"
2. Contact the Contracting Officer with this message:
 - "We understand source approval is currently required for new parts on this procurement"
 - "Source One Spares specializes in FAA-certified refurbished and surplus parts"
 - "If refurbished/surplus parts become acceptable in future modifications, we maintain extensive inventory"
 - "We'd appreciate being notified of any changes to acceptability requirements"

3. This plants seeds for future contract modifications or recompetes
4. Track these contacts for follow-up when contracts renew

State & Local Government

- **ALL are GO** - Pure civilian market
- Police helicopters, firefighting aircraft, transport
- No military restrictions apply
- All use civilian FAA standards
- Common examples: Bell 407, AS350, Cessna 208, King Air

Additional Military Aircraft with Civilian Connections

Military Designation	Civilian Equivalent/Notes	Parts Commonality	Assessment
T-38 Talon	F-5 related (minimal civilian)	Very Low	NO-GO
T-45 Goshawk	Based on BAE Hawk	Low	NO-GO unless civilian Hawk
U-28A Draco	Pilatus PC-12	Very High	GO
MC-12W Liberty	Beechcraft King Air 350	Very High	GO
RC-12 Guardrail	Beechcraft King Air	Very High	GO
EO-5C/RC-7 ARL	DHC-7 Dash 7	High	GO
OV-10 Bronco	Some civilian operators	Medium	CONDITIONAL
P-3 Orion	L-188 Electra heritage	Medium	CONDITIONAL
S-2 Tracker	S-2T civilian firefighting	Medium	CONDITIONAL - Check operator
S-3 Viking	Retired military	Very Low	NO-GO
U-21 Ute	Beechcraft King Air	Very High	GO
C-2 Greyhound	Unique but common systems	Low	CONDITIONAL
T-41 Mescalero	Cessna 172	Very High	GO
T-51	Cessna 162	Very High	GO
T-53 Kadet II	Cirrus SR20	Very High	GO

Special Programs - Civilian Aircraft in Government Service

Program	Aircraft Types	Procurement Rules	Assessment
Civil Air Patrol (CAP)	Cessna 172, 182, 206	Civilian/FAA	GO
CRAF (Civil Reserve Air Fleet)	Commercial 747, 767, 777, etc.	Civilian airline standards	GO
Angel Flight	Various GA aircraft	Pure civilian	GO
ICE Air Operations	Various charter aircraft	Civilian standards	GO
Air Methods (contractor)	Various helicopters	Civilian EMS standards	GO
DynCorp (contractor)	Various civilian types	Depends on contract	EVALUATE

Important Notes:

- CAP is Air Force Auxiliary but uses civilian procurement
- CRAF aircraft remain under airline ownership/maintenance
- Contractor-operated aircraft usually follow civilian standards
- Always verify procurement rules, don't assume based on operator

Ambiguous Designations

- "Dash 8" = DHC-8 = Q400 = **GO** (same platform)
- "DC-3" = C-47 = R4D = **GO** (same platform)
- "707" includes all variants (E-3, E-6, KC-135) = **GO**
- "T-tail" unspecified = **NEEDS ANALYSIS**

Engine/Component Keywords

When solicitation mentions only engines or components:

Commercial/Dual-Use Engines - **GO**:

- CFM56 = Boeing 737, KC-135R, E-3/E-6 = **GO**
- CF6/F103 = Boeing 767, KC-10, C-5M = **GO**
- F117/PW2000 = Boeing 757, C-32 = **GO**
- PW4000 = Boeing 777, KC-46, C-17 = **GO**
- GE90 = Boeing 777 only = **GO**
- V2500 = Airbus A320 family = **GO**
- Trent series = Various Airbus/Boeing = **GO**
- BR700 series = Gulfstream, Global Express = **GO**
- PW100 series = ATR, Dash 8 = **GO**

- PT6 = King Air, Caravan, PC-12 = **GO**
- TFE731 = Various business jets = **GO**
- JT8D = Older 737, DC-9, MD-80 = **GO**
- RB211 = Boeing 757, older 747 = **GO**

Military Turboprops - Conditional:

- T56/501D = C-130, P-3, L-100 civilian = **CONDITIONAL**
- T400 = V-22 Osprey only = **NO-GO**
- T55 = CH-47 Chinook = **CONDITIONAL**
- T700/701 = UH-60, Apache = **CONDITIONAL**
- T64 = CH-53 = **CONDITIONAL**

Fighter/Military Only Engines - NO-GO:

- F100/F110 = F-15, F-16 only = **NO-GO**
- F119 = F-22 only = **NO-GO**
- F135 = F-35 only = **NO-GO**
- F404/F414 = F/A-18 only = **NO-GO**
- J85 = T-38, F-5 = **CONDITIONAL**

APU (Auxiliary Power Units):

- GTCP85 = Various Boeing/Airbus = **GO**
- GTCP36 = Various business jets = **GO**
- APS3200 = Boeing 737 = **GO**
- Military-specific APUs = **CONDITIONAL**

Key Component Systems:

- Hamilton Sundstrand (UTC) = Often dual-use = **EVALUATE**
- Honeywell components = Often dual-use = **EVALUATE**
- Parker Aerospace = Often dual-use = **EVALUATE**
- Eaton Aerospace = Often dual-use = **EVALUATE**

ASSESSMENT GUIDANCE

ABSOLUTE RULES - NO EXCEPTIONS:

1. **If hard stop present** → NO-GO regardless of platform
2. **If platform IS listed above** → Use the assessment provided
3. **If platform NOT listed** → Mark "NEEDS FURTHER ANALYSIS"
4. **If "or equivalent" mentioned** → Positive ONLY if no hard stops
5. **Never guess relationships** → Use only explicit mappings
6. **Military SAR always wins** → Even on civilian platforms
7. **When in doubt** → Default to NO-GO or NEEDS ANALYSIS

Remember: Platform identification is just one factor. Hard stops (SAR, technical data, security clearance, new-only) override everything.

OUTPUT FORMAT FOR PLATFORM ASSESSMENT

When documenting platform in assessment:

Platform: "[Exact designation from solicitation]" (Page X) - [Classification]

Examples:

- **Platform:** "KC-46A aircraft" (Page 3) - Military variant of Boeing 767 [GO]
- **Platform:** "Bell 407 helicopter" (Page 2) - Pure civilian platform [GO]
- **Platform:** "F-16 Block 50" (Page 4) - Pure military fighter [NO-GO]
- **Platform:** "DHC-8-315" (Page 2) - Dash 8/Q400 civilian [GO]
- **Platform:** "C-17 cargo aircraft" (Page 5) - Military-unique platform [NO-GO]