

Cylinder Remanufacture or Exchange

Corresponds to Class Reference Sections 1 & 2. For Installation Eligibility, see Class Reference Manual per FAR 45.15 A 4 or visit www.eci.aero

CermiNil™ Process + FREEDOM™ Brand			
Ref. Code/ Class	Stud Assy. (SA)	Valve Assy. (VA)	Complete Assy. (CA)
CFCN01.0	N/A	N/A	N/A
CFCN01.1	N/A	N/A	N/A
CFCN01.2	N/A	N/A	N/A
CFCN01.3	N/A	N/A	N/A
CFCN02.0	690	1,296	N/A
CFCN03.0	690	1,296	1,557
CFCN03.1	N/A	N/A	1,578
CFCN04.0	653	870	979
CFCN04.1	N/A	N/A	989
CFCN05.0	653	870	989
CFCN06.0	653	870	979
CFCN07.0	653	870	989
CFCN08.0	653	870	989
CFCN08.0A	N/A	N/A	979
CFCN09.0	653	870	N/A
CFCN09.0A	N/A	N/A	989
CFCN09.0B	N/A	N/A	979
CFCN10.0	653	870	979
CFCN10.1	N/A	N/A	989
CFCN11.0	653	913	1,127
CFCN11.1	653	1,354	1,500
CFCN12.0	653	870	989
CFCN12.2	N/A	N/A	979
CFCN13.0	653	913	1,127
CFCN13.2	653	1,354	1,500
CFCN13.3	N/A	N/A	1,879
CFCN14.0	653	913	1,127
CFCN14.2	N/A	N/A	1,836
CFCN14.3	N/A	N/A	1,545
CFCN14.3A	N/A	N/A	1,099
CFCN14.4	653	1,354	1,500
CFCN14.5	N/A	N/A	1,500
CFCN17.0	653	1,020	1,662
CFCN18.0	653	1,020	1,662
CFCN19.0	653	1,020	1,662
CFCN19.0A	N/A	N/A	1,856
CFCN21.0	653	1,020	1,193
CFCN22.0	653	1,020	1,188
CFCN22.1	N/A	N/A	1,193
CFCN23.0	653	1,020	1,188
CFCN23.1	N/A	N/A	1,193
CFCN24.0	653	913	1,126
CFCN25.0	653	913	1,127
CFCN25.1	653	1,354	1,500
CFCN26.0	653	870	989
CFCN26.1	N/A	N/A	979
CFCN27.0	653	913	1,096
CFCN27.1	N/A	N/A	1,126
CFCN27.2	653	1,354	1,500
CFCN29.0	822	3,352	3,464
CFCN30.0	653	1,354	1,500
CFCN31.0	653	913	1,234
CFCN31.1	653	1,354	1,500
CFCN32.0	653	1,354	1,500
CFCN32.1	653	913	1,260
CFCN33.0	653	913	1,260
CFCN33.1	653	1,354	1,500
CFCN35.0	653	1,354	1,484
CFCN35.1	N/A	N/A	1,500
CFCN36.0	653	1,354	1,484
CFCN36.1	N/A	N/A	1,500
CFCN38.0	653	870	979
CFCN38.1	N/A	N/A	1,271
CFCN38.2	653	1,109	1,440
CFCN38.3	N/A	N/A	1,304

Steel + FREEDOM™ Brand				Core Charge
Ref. Code/ Class	Stud Assy. (SA)	Valve Assy. (VA)	Complete Assy. (CA)	
CFST01.0	739	944	1,344	100
CFST01.1	739	944	1,255	100
CFST01.2	N/A	N/A	1,081	100
CFST01.3	739	944	1,150	100
CFST02.0	N/A	N/A	N/A	100
CFST03.0	N/A	N/A	N/A	100
CFST03.1	N/A	N/A	N/A	100
CFST04.0	683	870	979	50
CFST04.1	N/A	N/A	989	50
CFST05.0	739	870	989	50
CFST06.0	683	870	979	50
CFST07.0	683	870	989	50
CFST08.0	683	870	989	50
CFST08.0A	N/A	N/A	979	50
CFST09.0	N/A	N/A	N/A	50
CFST09.0A	N/A	N/A	N/A	50
CFST09.0B	N/A	N/A	N/A	50
CFST10.0	683	870	979	50
CFST10.1	N/A	N/A	989	50
CFST11.0	739	999	1,178	100
CFST11.1	739	1,403	1,530	100
CFST12.0	683	870	989	50
CFST12.2	N/A	N/A	979	50
CFST13.0	739	999	1,178	100
CFST13.2	739	1,403	1,530	100
CFST13.3	N/A	N/A	1,930	100
CFST14.0	739	999	1,178	100
CFST14.2	N/A	N/A	1,887	100
CFST14.3	N/A	N/A	1,596	100
CFST14.3A	N/A	N/A	1,159	100
CFST14.4	739	1,403	1,511	100
CFST14.5	N/A	N/A	1,530	100
CFST17.0	N/A	N/A	N/A	100
CFST18.0	N/A	N/A	N/A	100
CFST19.0	N/A	N/A	N/A	100
CFST19.0A	N/A	N/A	N/A	100
CFST21.0	739	1,106	1,244	100
CFST22.0	739	1,106	1,239	100
CFST22.1	N/A	N/A	1,244	100
CFST23.0	739	1,106	1,239	100
CFST23.1	N/A	N/A	1,244	100
CFST24.0	739	999	1,177	50
CFST25.0	739	999	1,178	100
CFST25.1	739	1,403	1,530	100
CFST26.0	739	870	1,002	50
CFST26.1	N/A	N/A	1,068	50
CFST27.0	739	999	1,157	50
CFST27.1	N/A	N/A	1,177	50
CFST27.2	739	1,403	1,528	50
CFST29.0	N/A	N/A	N/A	175
CFST30.0	739	1,403	1,530	100
CFST31.0	739	999	1,298	100
CFST31.1	739	1,403	1,530	100
CFST32.0	739	1,403	1,528	50
CFST32.1	739	999	1,330	50
CFST33.0	739	999	1,330	50
CFST33.1	739	1,403	1,528	50
CFST35.0	739	1,403	1,535	100
CFST35.1	N/A	N/A	1,530	100
CFST36.0	739	1,403	1,535	100
CFST36.1	N/A	N/A	1,530	100
CFST38.0	739	870	1,068	50
CFST38.1	N/A	N/A	1,271	50
CFST38.2	739	1,163	1,491	175
CFST38.3	N/A	N/A	1,355	50

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CermiNil™ Process + FREEDOM™ Brand				Steel + FREEDOM™ Brand				Core Charge
Ref. Code/ Class	Stud Assy. (SA)	Valve Assy. (VA)	Complete Assy. (CA)	Ref. Code/ Class	Stud Assy. (SA)	Valve Assy. (VA)	Complete Assy. (CA)	
CFCN39.0	653	1,296	N/A	CFST39.0	N/A	N/A	N/A	100
CFCN40.0	653	913	1,096	CFST40.0	739	999	1,157	50
CFCN40.1	N/A	N/A	1,126	CFST40.1	N/A	N/A	1,177	50
CFCN41.0	653	1,114	1,235	CFST41.0	739	1,165	1,286	100
CFCN42.0	653	1,114	1,235	CFST42.0	739	1,165	1,286	50
CFCN43.0	653	870	1,307	CFST43.0	739	870	1,307	50
CFCN43.1	N/A	N/A	989	CFST43.1	N/A	N/A	1,078	100
CFCN44.0	653	870	989	CFST44.0	739	870	1,078	50
CFCN46.0	870	2,722	2,829	CFST46.0	927	2,771	2,880	175
CFCN47.0	870	2,606	2,712	CFST47.0	927	2,655	2,763	175
CFCN47.0A	N/A	N/A	2,731	CFST47.0A	N/A	N/A	2,782	175
CFCN48.0	702	1,114	1,481	CFST48.0	780	1,217	1,532	50
CFCN64.0	653	769	966	CFST64.0	739	855	1,054	100
CFCN64.1	653	769	958	CFST64.1	739	855	1,047	100
CFCN65.0	653	769	1,266	CFST65.0	739	855	1,317	100
CFCN66.0	653	1,172	N/A	CFST66.0	739	1,222	N/A	100
CFCN66.0A	N/A	N/A	1,531	CFST66.0A	N/A	N/A	1,581	100
CFCN66.0B	N/A	N/A	1,393	CFST66.0B	N/A	N/A	1,443	100
CFCN66.2	653	1,172	N/A	CFST66.2	N/A	N/A	N/A	100
CFCN66.2A	N/A	N/A	1,531	CFST66.2A	N/A	N/A	N/A	100
CFCN66.2B	N/A	N/A	1,393	CFST66.2B	N/A	N/A	N/A	100
CFCN67.0	653	769	913	CFST67.0	739	855	1,015	100
CFCN67.1	653	769	990	CFST67.1	739	855	1,105	100
CFCN68.0	653	786	N/A	CFST68.0	739	872	N/A	50
CFCN68.0A	N/A	N/A	928	CFST68.0A	N/A	N/A	1,060	50
CFCN68.0B	N/A	N/A	896	CFST68.0B	N/A	N/A	1,015	50
CFCN68.3	653	786	N/A	CFST68.3	739	872	N/A	50
CFCN68.3A	N/A	N/A	928	CFST68.3A	N/A	N/A	1,060	50
CFCN68.3B	N/A	N/A	895	CFST68.3B	N/A	N/A	1,015	50
CFCN70.0	653	786	N/A	CFST70.0	739	872	N/A	50
CFCN70.0A	N/A	N/A	932	CFST70.0A	N/A	N/A	1,060	50
CFCN70.0B	N/A	N/A	1,423	CFST70.0B	N/A	N/A	1,500	50
CFCN70.3	653	786	N/A	CFST70.3	739	872	N/A	50
CFCN70.3A	N/A	N/A	932	CFST70.3A	N/A	N/A	1,061	50
CFCN70.3B	N/A	N/A	1,423	CFST70.3B	N/A	N/A	1,500	50
CFCN71.2	653	786	N/A	CFST71.2	739	872	N/A	50
CFCN71.2A	N/A	N/A	933	CFST71.2A	N/A	N/A	1,060	50
CFCN71.2B	N/A	N/A	933	CFST71.2B	N/A	N/A	1,060	50
CFCN71.2C	N/A	N/A	946	CFST71.2C	N/A	N/A	1,072	50
CFCN71.4	653	786	N/A	CFST71.4	739	872	N/A	50
CFCN71.4A	N/A	N/A	933	CFST71.4A	N/A	N/A	N/A	50
CFCN71.4B	N/A	N/A	933	CFST71.4B	N/A	N/A	N/A	50
CFCN71.4C	N/A	N/A	946	CFST71.4C	N/A	N/A	1,072	50
CFCN72.0	653	786	1,003	CFST72.0	739	872	1,105	100
CFCN72.1	653	786	970	CFST72.1	739	872	1,060	100
CFCN73.0	653	786	1,003	CFST73.0	739	872	1,105	100
CFCN73.0A	N/A	N/A	1,003	CFST73.0A	N/A	N/A	1,105	100
CFCN73.0B	N/A	N/A	1,257	CFST73.0B	N/A	N/A	1,308	100
CFCN73.1	713	846	1,063	CFST73.1	799	932	1,165	175
CFCN74.0	653	786	1,003	CFST74.0	739	872	1,105	100
CFCN75.0	653	786	1,302	CFST75.0	739	872	1,353	50
CFCN76.0	653	786	1,003	CFST76.0	739	872	1,105	50
CFCN76.3	653	786	1,003	CFST76.3	739	872	1,192	175
CFCN77.0	653	786	1,242	CFST77.0	N/A	N/A	N/A	300

N/A = Not Available.

SA = Stud Assembly — Basic cylinder, new guides/seats installed and reamed / ground, new exhaust studs, pushrod housings on Class 61.

VA = Valve Assembly — Includes Stud Assembly with new springs and valves installed.

CA = Complete Assembly — Includes Valve Assembly, plus new rocker shafts, piston and rings (rings fitted and gapped) and gasket set.

NOTE — Piston pins and rocker arms are available but not included.